

YNCA Specification

YNCA Command List by Model

- RX-V671
 - SYS
 - MAIN
 - ZONE2
 - TUN
 - SIRIUS
 - IPOD
 - BT
 - UAW
 - RHAP
 - SIRIUSIR
 - PANDORA
 - NAPSTER
 - PC
 - NETRADIO
 - USB
 - IPODUSB
- RX-A710
 - SYS
 - MAIN
 - ZONE2
 - TUN
 - SIRIUS
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 - BT
 - UAW
 - RHAP
 - SIRIUSIR
 - PANDORA
 - NAPSTER
 - PC
 - NETRADIO
 - USB
 - IPODUSB
- RX-V871
 - SYS
 - MAIN
 - ZONE2
 - TUN
 - SIRIUS
 - IPOD
 - BT
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 - RHAP
 - SIRIUSIR
 - PANDORA
 - NAPSTER
 - PC
 - NETRADIO
 - USB
 - IPODUSB
- RX-A810
 - SYS
 - MAIN
 - ZONE2

YNCA Protocol Specification

Applicable Models: ~~RX-V671, RX-A710, RX-V871, RX-A810, RX-A1010, RX-A2010 and RX-A3010~~
Product Region: USA
\$Date:: 2011-03-29 16:58:24 +0900#\$
\$Revision: 8450 \$



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1 Preface [\(Back To Index\)](#)

This document describes the specifications of Yamaha Network Command Alias (YNCA) protocol.

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- SIRIUS
- IPOD
- BT
- UAW
- RHAP
- SIRIUSIR
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- SIRIUSIR

1.1 Applicable Models [\(Back To Index\)](#)

As of March 2011, this document is applicable with Yamaha AV Receivers of RX-V671, RX-A710, RX-V871, RX-A810, RX-A1010, RX-A2010 and RX-A3010.

1.2 Outline [\(Back To Index\)](#)

YNCA protocol is designed to provide a simple structure of controlling commands for Yamaha AV products. The "YNCA" derives from the fact that all its commands are the aliases of YNC (Yamaha Network Command) protocol.

YNCA command set is a reduced one of YNC's but still offering powerful functionalities for operating Yamaha AV products.

1.3 Features [\(Back To Index\)](#)

- Text based, simple and well-unified commands
- Same syntaxes with any connections: RS-232C and Ethernet
- Auto feedback for status updates

2 Connections [\(Back To Index\)](#)

2.1 RS-232C [\(Back To Index\)](#)

2.1.1 Connection [\(Back To Index\)](#)

- DB-9 pin female terminal
- Using Inter-link (Cross) cable is assumed
- Actual contacts that are used for the communication are as shown below.

Slave (the Product)		Master (the Controller)
TxD (Pin 3)	---->	RxD (Pin 2)
RxD (Pin 2)	<----	TxD (Pin 3)
GND (Pin 5)	<---->	GND (Pin 5)

2.1.2 Port Settings [\(Back To Index\)](#)

Baud rate : 9600
 Data bits : 8
 Parity : No
 Stop bit : 1 bit
 Handshaking : None

2.2 Ethernet [\(Back To Index\)](#)

2.2.1 Connection [\(Back To Index\)](#)

- RJ45 Network connector
- IEEE802.3 100BASE-TX/10BASE-T
- Full duplex communication

2.2.2 Port Settings [\(Back To Index\)](#)

Default network port number : 50000/TCP
 Variable range : 50000 to 65535

Port setting can be changed by YNCA or YNC command only. See [4.2.3 Port Number Change](#) for details.

2.2.3 Simultaneous Connection [\(Back To Index\)](#)

Maximum Number of Simultaneous TCP Connection: 1

3 Protocols [\(Back To Index\)](#)

YNCA protocol is created to provide simple command structure by assigning alias commands to YNC protocol.

3.1 Syntax [\(Back To Index\)](#)

This syntax form shown below must always be kept in both executing commands and getting responses except in case of [Error Responses](#).

@ SUBUNIT : FUNCNAME = Parameter [CR/LF]

[1] [2] [3] [4] [5] [6] [7]

- [1] Start Delimiter (@) : The beginning of a command
- [2] Sub Unit Name : Indicating whether the command is for System, any zones or any internal input sources as iPod, Tuner, Sirius, and Rhapsody etc
- [3] Command Delimiter (:) : Sub Unit Name and Function name are separated by this delimiter
- [4] Function Name : Specifying actual operations, some of them are abbreviated
- [5] Parameter Delimiter (=) : Separating the Function Name and its Parameter (Value)
- [6] Parameter : Showing a parameter value of the command
- [7] End Delimiter : The end of a command, Carriage Return (CR) and Line Feed (LF), always necessary

The syntax has no spaces. Example looks like there are spaces in between, but there shouldn't be.

3.2 Command Types (from the Controller) [\(Back To Index\)](#)

"Command" is an order for the Controller to send to the Product. Command types are defined as follows.

3.2.1 PUT Command [\(Back To Index\)](#)

This is to change conditions or status of functions/settings of the Product like Power, Input and Volume etc.

<Example>

@MAIN:PWR=On[CR/LF] ("PUT" from the Controller to the Product)

3.2.2 GET Command [\(Back To Index\)](#)

This is to check conditions or status of functions/settings of the Product. Power, Input, Volume and so on. The form of GET command is almost the same as PUT command, but the only difference is that its parameter is specified as "?".

<Example>

@MAIN:PWR=?[CR/LF] ("GET" from the Controller to the Product)

-> @MAIN:PWR=On[CR/LF] ("Response" from the Product to the Controller)

The Response command from the Product has the exact same Sub Unit and Function names as specified in the GET command. The Parameter is just updated with the latest condition or status.

The only one character of question mark ("?") will never be used as a parameter of PUT commands since it is always recognized as a GET command.

3.3 Response Types (from the Product) [\(Back To Index\)](#)

"Response" is a feedback sent from the Product to the Controller. Response types are defined as follows.

3.3.1 Normal Response [\(Back To Index\)](#)

This is a normal way to respond to the GET command from the Controller. It has the exact same Sub Unit and Function names as what are specified in the GET command.

The parameter in the response indicates the current condition or state of functions or settings on the Product.

<Example>

@MAIN:PWR=?[CR/LF] ("GET" from the Controller to the Product)

-> @MAIN:PWR=On[CR/LF] ("Response" from the Product to the Controller)

3.3.2 Auto Feedback Response [\(Back To Index\)](#)

This is to automatically notify the Controller that a condition or a status has been changed by some operations (for example, YNCA PUT Commands, IR remote control, Key operations on the Front Panel and so on) or by the update of metadata information in playback etc. In the response, corresponding Sub Unit, Function names and the updated Parameter are specified. Its syntax is just the same as the one of the Normal Response.

<Example>

When the Main Power is turned on by the front panel key

-> @MAIN:PWR=On[CR/LF] ("Auto Feedback Response" from the Product to the Controller)

<Example>

When the song title is changed in playing iPod

-> @IPOD:SONG=Something New[CR/LF] ("Auto Feedback Response" from the Product to the Controller)

Auto Feedback won't happen when the same condition or state as the current one is specified by a PUT command (in other words, sending PUT commands should not always expect to get Auto Feedback Response from the Product).

Regarding "Initial Auto Feedback";

Auto Feedback occurs only when the status change is detected by the Product's system, which is based on the fact that a Sub Unit (a zone or an internal source) is ready for use. So especially at the moment when a Sub Unit is turned on (or gets ready to be used), some status are initially fed back to the Controller at a time, which is called as "Initial Auto Feedback" in YNCA protocol. Not all commands are applicable for this feature. To know which commands are enabled with Initial Auto Feedback, refer to "YNCA Command List" document and find commands that are noted with commentary like "Initial Auto Feedback is available".

3.3.3 Error Responses [\(Back To Index\)](#)

In case that the Product cannot handle with commands from the Controller for some reason, it will return Error Responses with keywords that imply why it wasn't processed properly as follows;

3.3.3.1 UNDEFINED

When the command sent wasn't defined one

<Example>

-> @UNDEFINED[CR/LF] ("Error Response" from the Product to the Controller)

3.3.3.2 RESTRICTED

When the command wasn't executed on the Product for some reason

<Example>

-> @RESTRICTED[CR/LF] ("Error Response" from the Product to the Controller)

4 Other Rules [\(Back To Index\)](#)

4.1 For RS-232C Control [\(Back To Index\)](#)

4.1.1 Command Interval [\(Back To Index\)](#)

When putting commands to the Product, minimum 100 milliseconds of time interval

between the previous command and the next one shall be placed.

4.1.2 Command On Standby [\(Back To Index\)](#)

The Product will automatically the low-power mode(RS-232C sleep) on standby in about 10 seconds with no reception of commands. On the mode it needs to send the command twice via RS-232C. The first command is only to wake up and the second is available as the command.

4.2 For Ethernet control [\(Back To Index\)](#)

4.2.1 Command Interval [\(Back To Index\)](#)

When putting commands to the Product, minimum 100 milliseconds of time interval between the previous command and the next one shall be placed.

4.2.2 Connection & Disconnection [\(Back To Index\)](#)

TCP/IP Connection is only required (no negotiation at the higher network layers is necessary). Similarly disconnection can be done only at the TCP/IP level.

Also see example sequences of [Connection](#) and [Disconnection](#) in section [5.2 Control Examples](#) for details.

4.2.2.1 Auto Disconnection / Keep Alive

The Product will automatically disconnect TCP/IP connection in about 40 seconds with no reception of commands or no status change (meaning no Auto Feedback happens) while TCP/IP connection is alive. Therefore some commands have to be issued periodically (within 40 seconds) in order to keep TCP/IP connection alive.

The following is recommended to use as a keep-alive command;

```
@SYS:MODELNAME=?[CR/LF]
```

Also see the example sequence of [Keep Alive](#) in section [5.2 Control Examples](#) for details.

4.2.2.2 Necessity of keeping alive the connection

With YNCA control on Ethernet, although it is basically assumed that TCP/IP port be kept alive, it can be once disconnected and re-connected as needed basis of sending commands unless Auto Feedback is required in the control system that you're building. In other words, keep alive has to be done if Auto Feedback status update is a must.

4.2.3 Port Number Change [\(Back To Index\)](#)

The network port number is set as 50000 by default and normally it is not necessary to be changed. But if it is required to change its setting due to issues like port-filtering or something in the network environment that you're handling with, the procedures is as following;

1. Set the new port number by @SYS:YNCAPORT=nnnnn[CR/LF] command (nnnnn: port number, ranging from 50000 to 65535).
2. Power cycle the Product once and the new setting will be effective (meaning that it is not changed by just sending the command).

In using the command shown above to change the port number via Ethernet, the default number 50000 must be used at the very first time or when it is factory-default. If it is not possible for to use port #50000 even at the timing of initial setup, the alternative choices are to send that command via RS-232C or to use the command defined as YNC protocol (refer to the document separately provided) which can be done with port #80.

4.2.4 MAC address filter [\(Back To Index\)](#)

It is possible to restrict the accesses of YNCA controllers to the Product via the Ethernet by setting up the MAC address filter properly.

MAC address filter setting also can be done via the Product's menu. Refer to the owner's manual of the Product in use.

4.2.5 Network Standby [\(Back To Index\)](#)

It is always possible to receive the command from YNCA controllers via the Ethernet by setting "Network Standby" to "On".

"Network Standby" setting also can be done via the Product's menu. Refer to the owner's manual of the Product in use.

5 Appendix [\(Back To Index\)](#)

5.1 Use of IR codes [\(Back To Index\)](#)

YNCA protocol has a command that allows to operate the Product by sending an IR command code as a parameter of @SYS:REMOTECODE=xxxxxxx[CR/LF] command. (xxxxxxx: IR code, 8 characters)

See "REMOTECODE" command description and also find the link to the IR code list available with the Product.

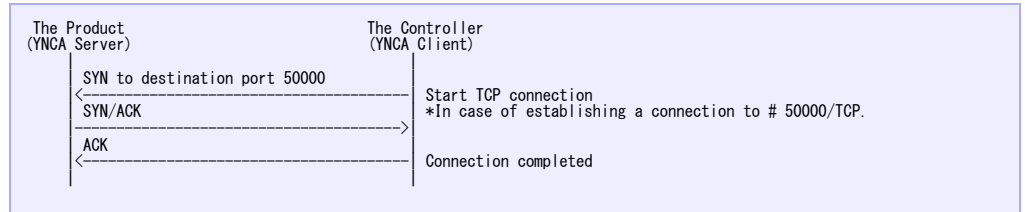
5.2 Control Examples [\(Back To Index\)](#)

Sequence diagrams are given below to help understanding what the communication should be like case by case.

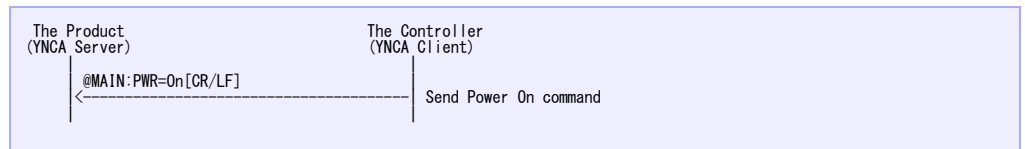
<Example for Ethernet control>

Note: To control the Product via Ethernet being in standby mode, remember to set "Network Standby" to "On" through the setup menu of the Product. (Refer to 4.2.5)

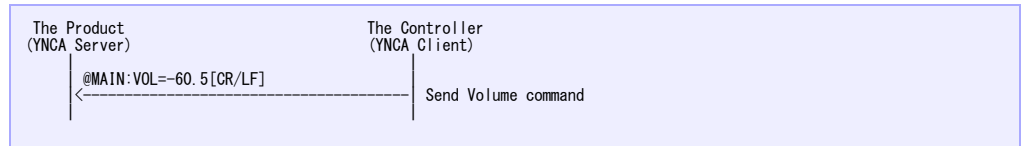
- Connection



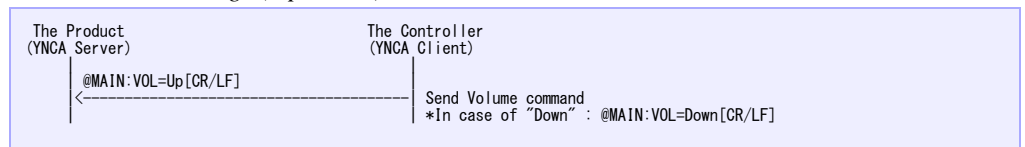
- Main Power On



- Volume Change (Direct)

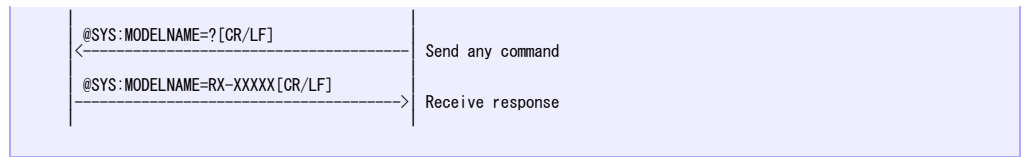


- Volume Change (Up/Down)

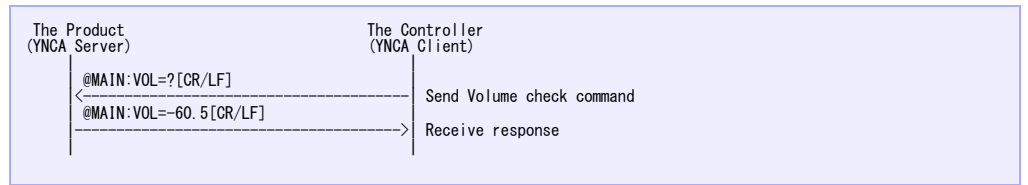


- Keep Alive *In case of polling the connection state (i.e. Keep Alive)

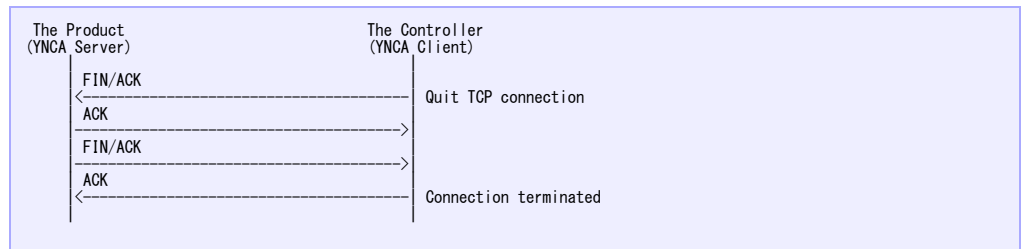




- Volume Check

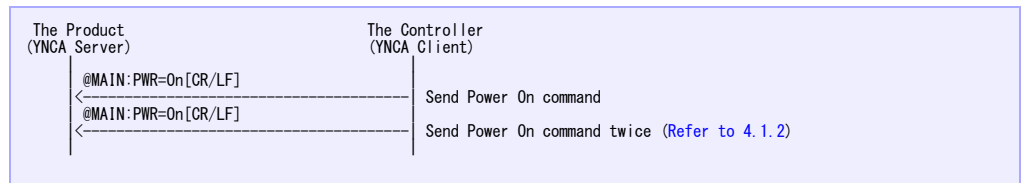


- Disconnection

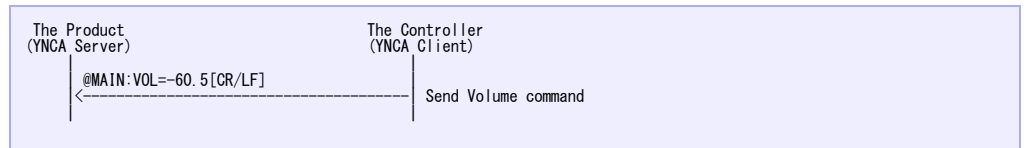


<Example for RS-232C control>

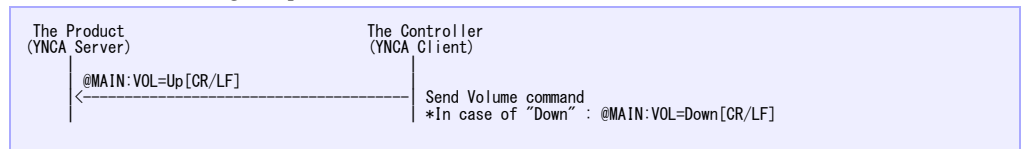
- Main Power On



- Volume Change (Direct)



- Volume Change (Up/Down)



5.3 Concepts of YNCA and YNC [\(Back To Index\)](#)

YNCA protocol is designed to provide a simple structure of controlling commands for Yamaha AV products. The "YNCA" derives from the fact that all its commands are the aliases of YNC (Yamaha Network Command) protocol. YNCA command set is a reduced one of YNC's but still offering powerful functionalities for operating Yamaha AV products. This information is intended to provide clarifications on differences between YNCA and YNC protocols hoping that would help you to choose the right protocol which suits your application best.

- YNCA Features

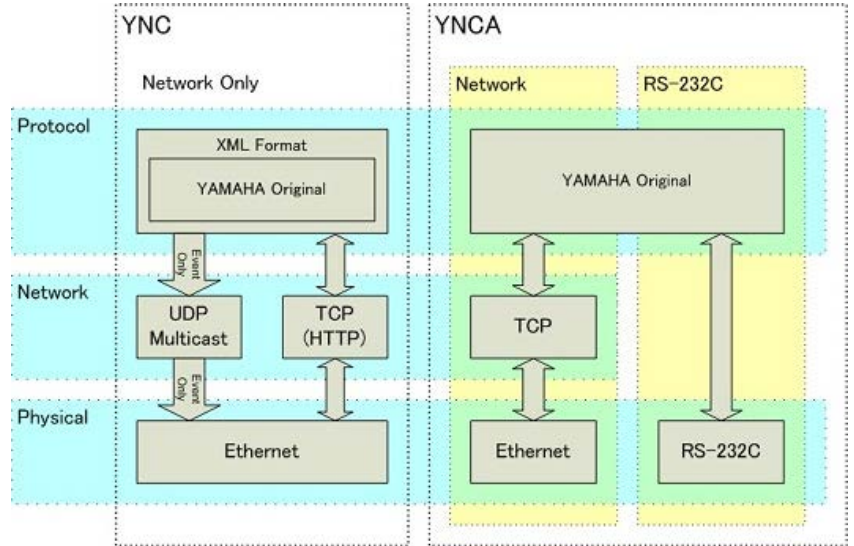
- *Simple: No ACK/NAK handshaking*
- *Short texts and simple syntax: Complicated/heavy parser module as XML not required*
- *Common protocol for both Network(Ethernet) and RS-232C connections: Easy to port each other*
- *Peer-to-peer connection: Not necessary for multi-connection management*

- *Auto feedback: Status changes are always pushed out, requires no polling*
- *Sufficient command set: For complete daily operations and for some settings*

- *YNC Features * Please see the accompanying file for details.*

- *Standard XML format: Parsers from standard libraries can be used*
- *HTTP: Used widespread as a standard method for multi-client control environment*
- *Covering all YNCA command sets: Sufficient enough for daily use operations*
- *Detailed command sets available: for DSP/PEQ parameters, Video Adjustments and so on*

- *Protocol Layers*



- *Features List*

Connection Features	YNC	YNCA	
	Network	Network	RS-232C
Simultaneous Connection	4	1	---
Security	(MAC Address Filter)	(MAC Address Filter)	---
Port Number Change	---	(50000-65535)	---
Command Standby on Power Standby			
Protocol Features	YNC	YNCA	
	Network	Network	RS-232C
XML Type		---	---
Simple Type	---		
Auto Feedback Response with Value	---	(For All Commands)	(For All Commands)
Event Notice	(UDP Multicast)	---	---

IR Code Command			
Daily Operation Command			
Detailed Setting Command		---	---
AMX DDDD Protocol	---		

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Product Region: USA

\$Date:: 2011-03-29 16:58:24 +0900#\$

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- 3.3 Response Types (from the Product)
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 - 3.3.2 Auto Feedback Response
 - 3.3.3 Error Responses

4 Other Rules

- 4.1 For RS-232C control
 - 4.1.1 Command Interval
 - 4.1.2 Command On Standby
- 4.2 For Ethernet control
 - 4.2.1 Command Interval
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 - 4.2.4 MAC address filter
 - 4.2.5 Network Standby

5 Appendix

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-

1 Preface [\(Back To Index\)](#)

This document describes the specifications of Yamaha Network Command Alias (YNCA) protocol.

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As of March 2011, this document is applicable with Yamaha AV Receivers of RX-V671, RX-A710, RX-V871, RX-A810, RX-A1010, RX-A2010 and RX-A3010.

1.2 Outline [\(Back To Index\)](#)

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1.3 Features [\(Back To Index\)](#)

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 - Same syntaxes with any connections: RS-232C and Ethernet
 - Auto feedback for status updates
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2 Connections [\(Back To Index\)](#)

2.1 RS-232C [\(Back To Index\)](#)

2.1.1 Connection [\(Back To Index\)](#)

- DB-9 pin female terminal
- Using Inter-link (Cross) cable is assumed
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TxD (Pin 3)	---->	RxD (Pin 2)
RxD (Pin 2)	<----	TxD (Pin 3)
GND (Pin 5)	<---->	GND (Pin 5)

2.1.2 Port Settings [\(Back To Index\)](#)

Baud rate : 9600
 Data bits : 8
 Parity : No
 Stop bit : 1 bit
 Handshaking : None

2.2 Ethernet [\(Back To Index\)](#)

2.2.1 Connection [\(Back To Index\)](#)

- RJ45 Network connector
- IEEE802.3 100BASE-TX/10BASE-T
- Full duplex communication

2.2.2 Port Settings [\(Back To Index\)](#)

Default network port number : 50000/TCP

Variable range : 50000 to 65535

Port setting can be changed by YNCA or YNC command only. See [4.2.3 Port Number Change](#) for details.

2.2.3 Simultaneous Connection [\(Back To Index\)](#)

Maximum Number of Simultaneous TCP Connection: 1

3 Protocols [\(Back To Index\)](#)

YNCA protocol is created to provide simple command structure by assigning alias commands to YNC protocol.

3.1 Syntax [\(Back To Index\)](#)

This syntax form shown below must always be kept in both executing commands and getting responses except in case of [Error Responses](#).

@ SUBUNIT : FUNCNAME = Parameter [CR/LF]

[1] [2] [3] [4] [5] [6] [7]

- [1] Start Delimiter (@) : The beginning of a command
- [2] Sub Unit Name : Indicating whether the command is for System, any zones or any internal input sources as iPod, Tuner, Sirius, and Rhapsody etc
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The syntax has no spaces. Example looks like there are spaces in between, but there shouldn't be.

3.2 Command Types (from the Controller) [\(Back To Index\)](#)

"Command" is an order for the Controller to send to the Product. Command types are defined as follows.

3.2.1 PUT Command [\(Back To Index\)](#)

This is to change conditions or status of functions/settings of the Product like Power, Input and Volume etc.

<Example>

@MAIN:PWR=On[CR/LF] ("PUT" from the Controller to the Product)

3.2.2 GET Command [\(Back To Index\)](#)

This is to check conditions or status of functions/settings of the Product. Power, Input, Volume and so on. The form of GET command is almost the same as PUT command, but the only difference is that its parameter is specified as "?".

<Example>

@MAIN:PWR=?[CR/LF] ("GET" from the Controller to the Product)

-> @MAIN:PWR=On[CR/LF] ("Response" from the Product to the Controller)

The Response command from the Product has the exact same Sub Unit and Function names as specified in the GET command. The Parameter is just updated with the latest condition or status.

The only one character of question mark ("?") will never be used as a parameter of PUT commands since it is always recognized as a GET command.

3.3 Response Types (from the Product) [\(Back To Index\)](#)

"Response" is a feedback sent from the Product to the Controller. Response types are defined as follows.

3.3.1 Normal Response [\(Back To Index\)](#)

This is a normal way to respond to the GET command from the Controller. It has the exact same Sub Unit and Function names as what are specified in the GET command. The parameter in the response indicates the current condition or state of functions or settings on the Product.

<Example>

@MAIN:PWR=?[CR/LF] ("GET" from the Controller to the Product)

-> @MAIN:PWR=On[CR/LF] ("Response" from the Product to the Controller)

3.3.2 Auto Feedback Response [\(Back To Index\)](#)

This is to automatically notify the Controller that a condition or a status has been changed by some operations (for example, YNCA PUT Commands, IR remote control, Key operations on the Front Panel and so on) or by the update of metadata information in playback etc. In the response, corresponding Sub Unit, Function names and the updated Parameter are specified. Its syntax is just the same as the one of the Normal Response.

<Example>

When the Main Power is turned on by the front panel key

-> @MAIN:PWR=On[CR/LF] ("Auto Feedback Response" from the Product to the Controller)

<Example>

When the song title is changed in playing iPod

-> @IPOD:SONG=Something New[CR/LF] ("Auto Feedback Response" from the Product to the Controller)

Auto Feedback won't happen when the same condition or state as the current one is specified by a

PUT command (in other words, sending PUT commands should not always expect to get Auto Feedback Response from the Product).

Regarding “Initial Auto Feedback”;

Auto Feedback occurs only when the status change is detected by the Product’s system, which is based on the fact that a Sub Unit (a zone or an internal source) is ready for use. So especially at the moment when a Sub Unit is turned on (or gets ready to be used), some status are initially fed back to the Controller at a time, which is called as “Initial Auto Feedback” in YNCA protocol. Not all commands are applicable for this feature. To know which commands are enabled with Initial Auto Feedback, refer to “YNCA Command List” document and find commands that are noted with commentary like “Initial Auto Feedback is available”.

3.3.3 Error Responses [\(Back To Index\)](#)

In case that the Product cannot handle with commands from the Controller for some reason, it will return Error Responses with keywords that imply why it wasn’t processed properly as follows;

3.3.3.1 UNDEFINED

When the command sent wasn’t defined one

<Example>

→ @UNDEFINED[CR/LF] ("Error Response" from the Product to the Controller)

3.3.3.2 RESTRICTED

When the command wasn’t executed on the Product for some reason

<Example>

→ @RESTRICTED[CR/LF] ("Error Response" from the Product to the Controller)

4 Other Rules [\(Back To Index\)](#)

4.1 For RS-232C Control [\(Back To Index\)](#)

4.1.1 Command Interval [\(Back To Index\)](#)

When putting commands to the Product, minimum 100 milliseconds of time interval between the previous command and the next one shall be placed.

4.1.2 Command On Standby [\(Back To Index\)](#)

The Product will automatically the low-power mode(RS-232C sleep) on standby in about 10 seconds with no reception of commands. On the mode it needs to send the command twice via RS-232C. The first command is only to wake up and the second is available as the command.

4.2 For Ethernet control [\(Back To Index\)](#)

4.2.1 Command Interval [\(Back To Index\)](#)

When putting commands to the Product, minimum 100 milliseconds of time interval between the previous command and the next one shall be placed.

4.2.2 Connection & Disconnection [\(Back To Index\)](#)

TCP/IP Connection is only required (no negotiation at the higher network layers is necessary). Similarly disconnection can be done only at the TCP/IP level.

Also see example sequences of [Connection](#) and [Disconnection](#) in section [5.2 Control Examples](#) for details.

4.2.2.1 Auto Disconnection / Keep Alive

The Product will automatically disconnect TCP/IP connection in about 40 seconds with no reception of commands or no status change (meaning no Auto Feedback happens) while TCP/IP connection is alive. Therefore some commands have to be issued periodically (within 40 seconds) in order to keep TCP/IP connection alive.

The following is recommended to use as a keep-alive command;

```
@SYS:MODELNAME=?[CR/LF]
```

Also see the example sequence of [Keep Alive](#) in section [5.2 Control Examples](#) for details.

4.2.2.2 Necessity of keeping alive the connection

With YNCA control on Ethernet, although it is basically assumed that TCP/IP port be kept alive, it can be once disconnected and re-connected as needed basis of sending commands unless Auto Feedback is required in the control system that you're building. In other words, keep alive has to be done if Auto Feedback status update is a must.

4.2.3 Port Number Change [\(Back To Index\)](#)

The network port number is set as 50000 by default and normally it is not necessary to be changed. But if it is required to change its setting due to issues like port-filtering or something in the network environment that you're handling with, the procedures is as following;

1. Set the new port number by @SYS:YNCAPORT=nnnnn[CR/LF] command (nnnnn: port number, ranging from 50000 to 65535).
2. Power cycle the Product once and the new setting will be effective (meaning that it is not changed by just sending the command).

In using the command shown above to change the port number via Ethernet, the default number 50000 must be used at the very first time or when it is factory-default. If it is not possible for to use port #50000 even at the timing of initial setup, the alternative choices are to send that command via RS-232C or to use the command defined as YNC protocol (refer to the document separately provided) which can be done with port #80.

4.2.4 MAC address filter [\(Back To Index\)](#)

It is possible to restrict the accesses of YNCA controllers to the Product via the Ethernet by setting up the MAC address filter properly.

MAC address filter setting also can be done via the Product's menu. Refer to the owner's manual of the Product in use.

4.2.5 Network Standby [\(Back To Index\)](#)

It is always possible to receive the command from YNCA controllers via the Ethernet by setting "Network Standby" to "On".

"Network Standby" setting also can be done via the Product's menu. Refer to the owner's manual of

5 Appendix [\(Back To Index\)](#)

5.1 Use of IR codes [\(Back To Index\)](#)

YNCA protocol has a command that allows to operate the Product by sending an IR command code as a parameter of @SYS:REMOTECODE=xxxxxxxx[CR/LF] command. (xxxxxxxx: IR code, 8 characters)

See "REMOTECODE" command description and also find the link to the IR code list available with the Product.

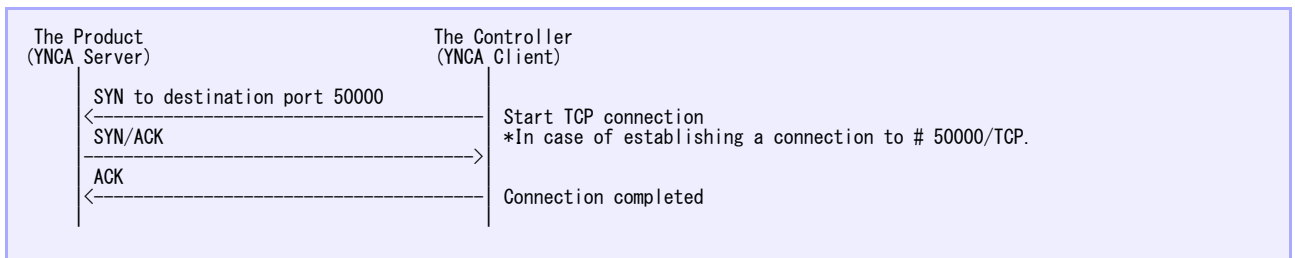
5.2 Control Examples [\(Back To Index\)](#)

Sequence diagrams are given below to help understanding what the communication should be like case by case.

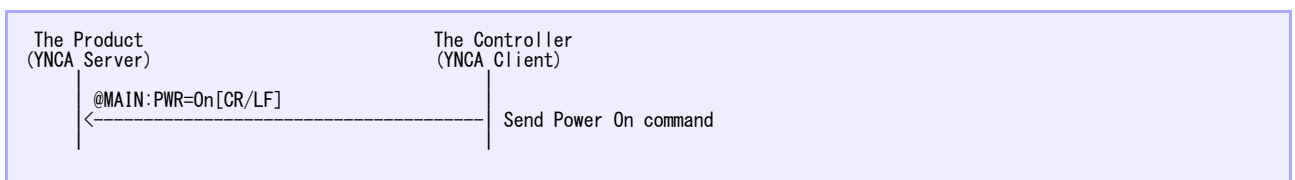
<Example for Ethernet control>

Note: To control the Product via Ethernet being in standby mode, remember to set "Network Standby" to "On" through the setup menu of the Product. [\(Refer to 4.2.5\)](#)

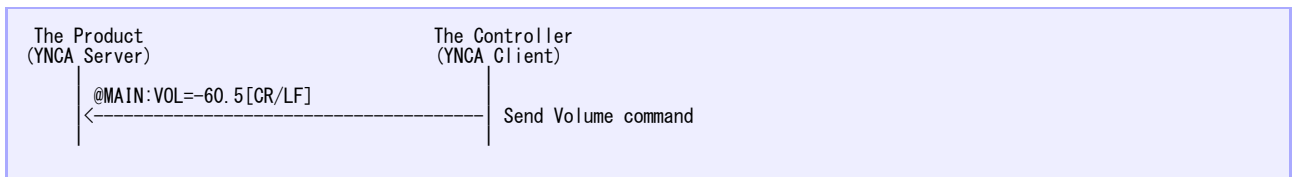
- Connection



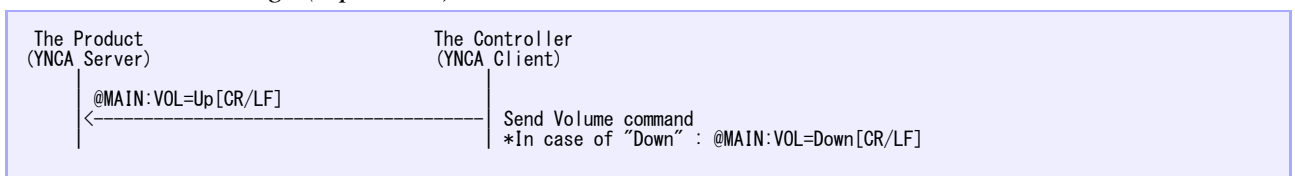
- Main Power On



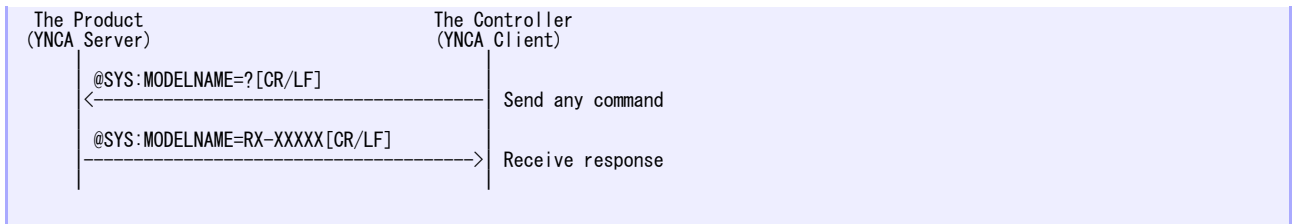
- Volume Change (Direct)



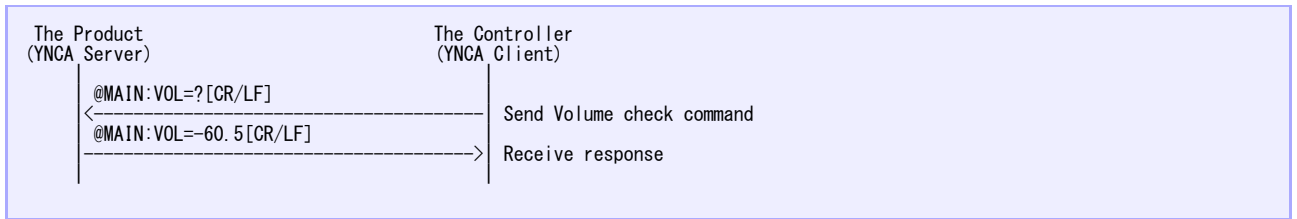
- Volume Change (Up/Down)



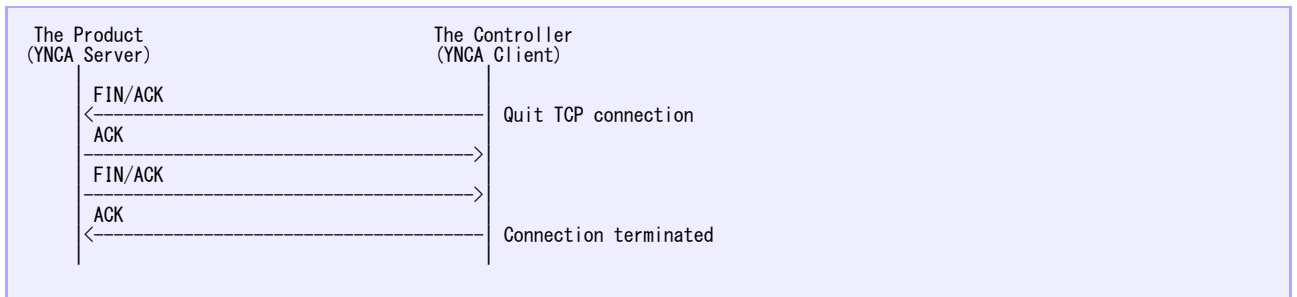
*- Keep Alive *In case of polling the connection state (i.e. Keep Alive)*



- Volume Check

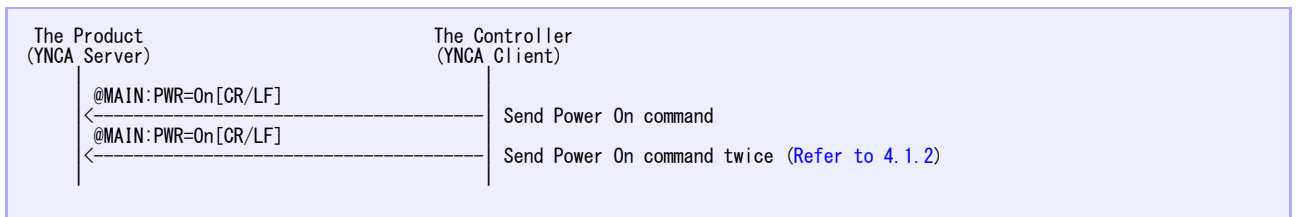


- Disconnection

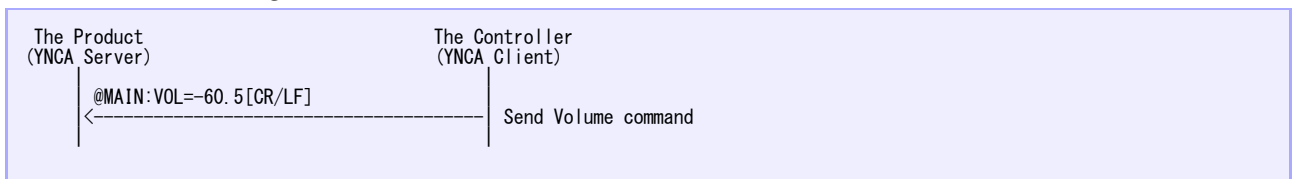


<Example for RS-232C control>

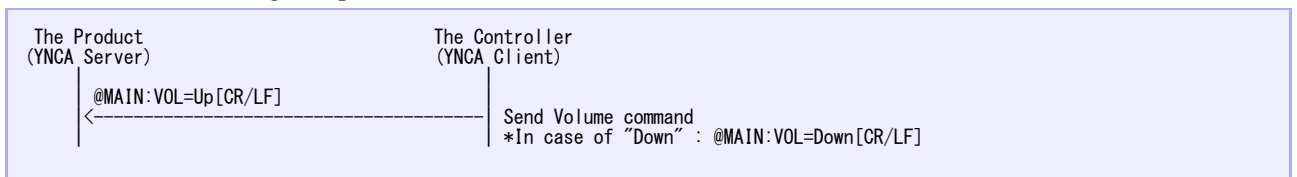
- Main Power On



- Volume Change (Direct)



- Volume Change (Up/Down)



5.3 Concepts of YNCA and YNC [\(Back To Index\)](#)

YNCA protocol is designed to provide a simple structure of controlling commands for Yamaha AV products. The "YNCA" derives from the fact that all its commands are the aliases of YNC (Yamaha Network Command) protocol. YNCA command set is a reduced one of YNC's but still offering powerful functionalities for operating Yamaha AV products. This information is intended to provide clarifications on differences between YNCA and YNC protocols hoping that would help

you to choose the right protocol which suits your application best.

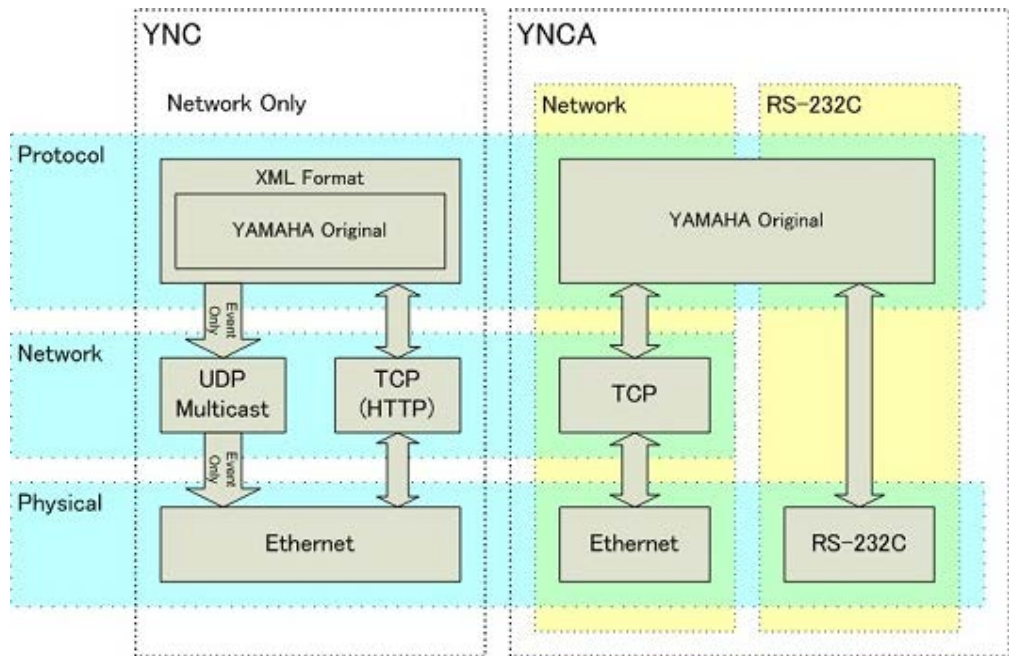
- *YNCA Features*

- *Simple: No ACK/NAK handshaking*
- *Short texts and simple syntax: Complicated/heavy parser module as XML not required*
- *Common protocol for both Network(Ethernet) and RS-232C connections: Easy to port each other*
- *Peer-to-peer connection: Not necessary for multi-connection management*
- *Auto feedback: Status changes are always pushed out, requires no polling*
- *Sufficient command set: For complete daily operations and for some settings*

- *YNC Features * Please see the accompanying file for details.*

- *Standard XML format: Parsers from standard libraries can be used*
- *HTTP: Used widespread as a standard method for multi-client control environment*
- *Covering all YNCA command sets: Sufficient enough for daily use operations*
- *Detailed command sets available: for DSP/PEQ parameters, Video Adjustments and so on*

- *Protocol Layers*



- *Features List*

Connection Features	YNC	YNCA	
	Network	Network	RS-232C

Simultaneous Connection	4	1	---
Security	(MAC Address Filter)	(MAC Address Filter)	---
Port Number Change	---	(50000-65535)	---
Command Standby on Power Standby			
Protocol Features	YNC	YNCA	
	Network	Network	RS-232C
XML Type		---	---
Simple Type	---		
Auto Feedback Response with Value	---	(For All Commands)	(For All Commands)
Event Notice	(UDP Multicast)	---	---
IR Code Command			
Daily Operation Command			
Detailed Setting Command		---	---
AMX DDDD Protocol	---		

Sub Unit : SYS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

\$Revision: \$

Command Index

1. Power

PWR

2. Input

INPNAME

INPNAMEHDMI1

INPNAMEHDMI2

INPNAMEHDMI3

INPNAMEHDMI4

INPNAMEHDMI5

INPNAMEAV1

INPNAMEAV2

INPNAMEAV3

INPNAMEAV4

INPNAMEAV5

INPNAMEAV6

INPNAMEVAUX

INPNAMEAUDIO1

INPNAMEAUDIO2

INPNAMEDOCK

INPNAMEUSB

TRIG1INPSIRIUS

TRIG1INPTUNER

TRIG1INPHDMI1

TRIG1INPHDMI2

TRIG1INPHDMI3

TRIG1INPHDMI4

TRIG1INPHDMI5

TRIG1INPAV1

TRIG1INPAV2

TRIG1INPAV3

TRIG1INPAV4

TRIG1INPAV5

TRIG1INPAV6

TRIG1INPVAUX

TRIG1INPAUDIO1

TRIG1INPAUDIO2

TRIG1INPDOCK

TRIG1INPIPOD

TRIG1INPBT
TRIG1INPUAW
TRIG1INPNET
TRIG1INPRHAPSODY
TRIG1INPSIRIUSIR
TRIG1INPPANDORA
TRIG1INPNAPSTER
TRIG1INPPC
TRIG1INPNETRADIO
TRIG1INPUSB
TRIG1INPIPODUSB

3. Others

MODELNAME
VERSION
VIDANLGCONV
SPPATTERN1AMP
SPPATTERN1FRNTCNFG
SPPATTERN1CENTCNFG
SPPATTERN1SURCNFG
SPPATTERN1SURBCNFG
SPPATTERN1FRNTPRES
SPPATTERN1SWFR1CNFG
SPPATTERN1SWFR1PHASE
SPPATTERN1EXBASS
SPPATTERN1SWFRCRSOVR
DMCCONTROL
YNCAPORT
TRIG1MANUAL
TRIG1TYPE
TRIG1ZONE
MEMGRD
REMOTECODE

Command Details of SubUnit: SYS

- **MODELNAME**

[GET Command]

@SYS:MODELNAME=?

Retrieving Model Name

[Parameters]

Character Code: Ascii, Variable Length (1 to 16 characters)

GET Only

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- **VERSION**

[GET Command]

`@SYS:VERSION=?`

Retrieving the version of software.

[Parameters]

Character Code: Ascii, Fixed 9 characters

GET Only

Value string is in a format of "x.xx/y.yy"; x.xx = System Version, y.yy = Command Protocol Version.

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- **INPNAME**

[GET Command]

`@SYS:INPNAME=?`

Retrieving each input's renamed info at a time.

Each response command forms like `@SYS:INPNAMExxxx=XXXX` (xxxx: Default Input Name, XXXX: Renamed Info)

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- **INPNAMEHDMI1**

[GET Command]

`@SYS:INPNAMEHDMI1=?`

Retrieving renamed info of HDMI1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

[Back To Index](#)

- **INPNAMEHDMI2**

[GET Command]

`@SYS:INPNAMEHDMI2=?`

Retrieving renamed info of HDMI2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

[Back To Index](#)

- **INPNAMEHDMI3**

[GET Command]

`@SYS:INPNAMEHDMI3=?`

Retrieving renamed info of HDMI3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

[Back To Index](#)

- **INPNAMEHDMI4**

[GET Command]

@SYS:INPNAMEHDMI4=?

Retrieving renamed info of HDMI4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

[Back To Index](#)

• INPNAMEHDMI5

[GET Command]

@SYS:INPNAMEHDMI5=?

Retrieving renamed info of HDMI5

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

[Back To Index](#)

• INPNAMEAV1

[GET Command]

@SYS:INPNAMEAV1=?

Retrieving renamed info of AV1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV2

[GET Command]

@SYS:INPNAMEAV2=?

Retrieving renamed info of AV2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

[Back To Index](#)

• INPNAMEAV3

[GET Command]

@SYS:INPNAMEAV3=?

Retrieving renamed info of AV3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV4

[GET Command]

@SYS:INPNAMEAV4=?

Retrieving renamed info of AV4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV5

[GET Command]

@SYS:INPNAMEAV5=?

Retrieving renamed info of AV5

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV6

[GET Command]

@SYS:INPNAMEAV6=?

Retrieving renamed info of AV6

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEVAUX

[GET Command]

@SYS:INPNAMEVAUX=?

Retrieving renamed info of VAUX

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAUDIO1

[GET Command]

@SYS:INPNAMEAUDIO1=?

Retrieving renamed info of AUDIO1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAUDIO2

[GET Command]

@SYS:INPNAMEAUDIO2=?

Retrieving renamed info of AUDIO2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

[Back To Index](#)

- **INPNAMEDOCK**

- [GET Command]**

- @SYS:INPNAMEDOCK=?*

- Retrieving renamed info of DOCK

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEUSB**

- [GET Command]**

- @SYS:INPNAMEUSB=?*

- Retrieving renamed info of USB

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

[Back To Index](#)

- **PWR**

- [PUT Command]**

- @SYS:PWR=Parameter*

- [GET Command]**

- @SYS:PWR=?*

- Operating & retrieving All Zones power state.

- Initial Auto Feedback is Available**

- [Parameters]**

- Standby*

- PUT: turning its state to Standby / GET: indicating Standby status.

- On*

- PUT: turning its state to On / GET: indicating On status.

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- **VIDANLGCONV**

- [PUT Command]**

- @SYS:VIDANLGCONV=Parameter*

- [GET Command]**

- @SYS:VIDANLGCONV=?*

- Operating & retrieving Analog Video Conversion setting state.

- [Parameters]**

- Off*

- PUT: setting to Off / GET: indicating Off status.

- On*

- PUT: setting to On / GET: indicating On status.

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- **SPPATTERN1AMP**

[PUT Command]

@SYS:SPPATTERN1AMP=Parameter

[GET Command]

@SYS:SPPATTERN1AMP=?

Operating & retrieving Amp Assign setting state for Speaker Pattern1.

[Parameters]

Basic

PUT: setting to Basic / GET: indicating its setting at Basic.

7ch +1ZONE

PUT: setting to 7ch +1ZONE / GET: indicating its setting at 7ch +1ZONE.

5ch BI-AMP

PUT: setting to 5ch BI-AMP / GET: indicating its setting at 5ch BI-AMP.

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- **SPPATTERN1FRNTCNFG**

[PUT Command]

@SYS:SPPATTERN1FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTCNFG=?

Operating & retrieving Front Ch Configuration setting state for Speaker Pattern1.

[Parameters]

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

[Back To Index](#)

- **SPPATTERN1CENTCNFG**

[PUT Command]

@SYS:SPPATTERN1CENTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1CENTCNFG=?

Operating & retrieving Center Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1SURCNFG**

[PUT Command]

@SYS:SPPATTERN1SURCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURCNFG=?

Operating & retrieving Surround Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1SURBCNFG**

[PUT Command]

@SYS:SPPATTERN1SURBCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURBCNFG=?

Operating & retrieving Surround Back Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small x1

PUT: setting to Small x1 / GET: indicating its setting at Small x1.

Large x1

PUT: setting to Large x1 / GET: indicating its setting at Large x1.

Small x2

PUT: setting to Small x2 / GET: indicating its setting at Small x2.

Large x2

PUT: setting to Large x2 / GET: indicating its setting at Large x2.

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- **SPPATTERN1FRNTPRES**

[PUT Command]

@SYS:SPPATTERN1FRNTPRES=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTPRES=?

Operating & retrieving Front Presence Ch setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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• **SPPATTERN1SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN1SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1CNFG=?

Operating & retrieving Subwoofer1 Configuration state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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• **SPPATTERN1SWFR1PHASE**

[PUT Command]

@SYS:SPPATTERN1SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1PHASE=?

Operating & retrieving Subwoofer1 Phase setting state for Speaker Pattern1.

[Parameters]

Normal

PUT: setting to Normal / GET: indicating its setting at Normal.

Reverse

PUT: setting to Reverse / GET: indicating its setting at Reverse.

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• **SPPATTERN1EXBASS**

[PUT Command]

@SYS:SPPATTERN1EXBASS=Parameter

[GET Command]

@SYS:SPPATTERN1EXBASS=?

Operating & retrieving Extra Bass Setting state for Speaker Pattern1.

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

[Back To Index](#)

- **SPPATTERN1SWFRCSOVR**

[PUT Command]

@SYS:SPPATTERN1SWFRCSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1SWFRCSOVR=?

Operating & retrieving Subwoofer Crossover Frequency Setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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- **DMCCONTROL**

[PUT Command]

@SYS:DMCCONTROL=Parameter

[GET Command]

@SYS:DMCCONTROL=?

Operating & retrieving DMC Control Setting state

Initial Auto Feedback is Available

[Parameters]

Disable

PUT: setting to Disable / GET: indicating its setting at Disable.

Enable

PUT: setting to Enable / GET: indicating its setting at Enable.

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- **YNCAPORT**

[PUT Command]

@SYS:YNCAPORT=Parameter

[GET Command]

@SYS:YNCAPORT=?

Operating & retrieving TCP Port Setting state for YNCA commands.

[Parameters]

Numerical Number: 50000 to 65535, Step: 1

PUT: setting to the specified number. / GET: indicating its setting with the retrieved value. The Default value is 50000.

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- **TRIG1MANUAL**

[PUT Command]

@SYS:TRIG1MANUAL=Parameter

[GET Command]

@SYS:TRIG1MANUAL=?

Operating & retrieving Manual Operating state for Trigger Out 1.

[Parameters]

Lo

PUT: turning its state to Lo / GET: indicating its status at Lo.

Hi

PUT: turning its state to Hi / GET: indicating its status at Hi.

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- **TRIG1TYPE**

[PUT Command]

@SYS:TRIG1TYPE=Parameter

[GET Command]

@SYS:TRIG1TYPE=?

Operating & retrieving Trigger Type Setting state for Trigger Out 1.

[Parameters]

Manual

PUT: setting to Manual / GET: indicating its setting at Manual.

Power

PUT: setting to Power / GET: indicating its setting at Power.

Zone and Input

PUT: setting to Zone and Input / GET: indicating its setting at Zone and Input.

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- **TRIG1ZONE**

[PUT Command]

@SYS:TRIG1ZONE=Parameter

[GET Command]

@SYS:TRIG1ZONE=?

Operating & retrieving Zone Setting state of Trigger Type "Zone and Input" for Trigger Out 1.

[Parameters]

Main Zone

PUT: setting to Main Zone / GET: indicating its setting at Main Zone.

Zone2

PUT: setting to Zone2 / GET: indicating its setting at Zone2.

All

PUT: setting to All / GET: indicating its setting at All.

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- **TRIG1INPSIRIUS**

[PUT Command]

@SYS:TRIG1INPSIRIUS=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUS=?

Operating & retrieving the setting state for Input of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Lo

PUT: setting to Lo / GET: indicating its setting at Lo.

Hi

PUT: setting to Hi / GET: indicating its setting at Hi.

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- **TRIG1INPTUNER**

[PUT Command]

@SYS:TRIG1INPTUNER=Parameter

[GET Command]

@SYS:TRIG1INPTUNER=?

Operating & retrieving the setting state for Input TUNER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPHDMI1**

[PUT Command]

@SYS:TRIG1INPHDMI1=Parameter

[GET Command]

@SYS:TRIG1INPHDMI1=?

Operating & retrieving the setting state for Input HDMI1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPHDMI2**

[PUT Command]

@SYS:TRIG1INPHDMI2=Parameter

[GET Command]

@SYS:TRIG1INPHDMI2=?

Operating & retrieving the setting state for Input HDMI2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPHDMI3**

[PUT Command]

@SYS:TRIG1INPHDMI3=Parameter

[GET Command]

@SYS:TRIG1INPHDMI3=?

Operating & retrieving the setting state for Input HDMI3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPHDMI4**

[PUT Command]

@SYS:TRIG1INPHDMI4=Parameter

[GET Command]

@SYS:TRIG1INPHDMI4=?

Operating & retrieving the setting state for Input HDMI4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPHDMI5**

[PUT Command]

@SYS:TRIG1INPHDMI5=Parameter

[GET Command]

@SYS:TRIG1INPHDMI5=?

Operating & retrieving the setting state for Input HDMI5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV1**

[PUT Command]

@SYS:TRIG1INPAV1=Parameter

[GET Command]

@SYS:TRIG1INPAV1=?

Operating & retrieving the setting state for Input AV1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV2**

[PUT Command]

@SYS:TRIG1INPAV2=Parameter

[GET Command]

@SYS:TRIG1INPAV2=?

Operating & retrieving the setting state for Input AV2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV3**

[PUT Command]

@SYS:TRIG1INPAV3=Parameter

[GET Command]

@SYS:TRIG1INPAV3=?

Operating & retrieving the setting state for Input AV3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV4**

[PUT Command]

@SYS:TRIG1INPAV4=Parameter

[GET Command]

@SYS:TRIG1INPAV4=?

Operating & retrieving the setting state for Input AV4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV5**

[PUT Command]

@SYS:TRIG1INPAV5=Parameter

[GET Command]

@SYS:TRIG1INPAV5=?

Operating & retrieving the setting state for Input AV5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV6**

[PUT Command]

@SYS:TRIG1INPAV6=Parameter

[GET Command]

@SYS:TRIG1INPAV6=?

Operating & retrieving the setting state for Input AV6 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPVAUX**

[PUT Command]

@SYS:TRIG1INPVAUX=Parameter

[GET Command]

@SYS:TRIG1INPVAUX=?

Operating & retrieving the setting state for Input VAUX of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO1**

[PUT Command]

@SYS:TRIG1INPAUDIO1=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO1=?

Operating & retrieving the setting state for Input AUDIO1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO2**

[PUT Command]

@SYS:TRIG1INPAUDIO2=*Parameter*

[GET Command]

@SYS:TRIG1INPAUDIO2=?

Operating & retrieving the setting state for Input AUDIO2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPDOCK**[PUT Command]**

@SYS:TRIG1INPDOCK=*Parameter*

[GET Command]

@SYS:TRIG1INPDOCK=?

Operating & retrieving the setting state for Input DOCK of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPIPOD**[PUT Command]**

@SYS:TRIG1INPIPOD=*Parameter*

[GET Command]

@SYS:TRIG1INPIPOD=?

Operating & retrieving the setting state for Input IPOD of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPBT**[PUT Command]**

@SYS:TRIG1INPBT=*Parameter*

[GET Command]

@SYS:TRIG1INPBT=?

Operating & retrieving the setting state for Input BT of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPUAW**[PUT Command]**

@SYS:TRIG1INPUAW=*Parameter*

[GET Command]

@SYS:TRIG1INPUAW=?

Operating & retrieving the setting state for Input UAW of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPNET**

[PUT Command]

@SYS:TRIG1INPNET=Parameter

[GET Command]

@SYS:TRIG1INPNET=?

Operating & retrieving the setting state for Input NET of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPRHAPSODY**

[PUT Command]

@SYS:TRIG1INPRHAPSODY=Parameter

[GET Command]

@SYS:TRIG1INPRHAPSODY=?

Operating & retrieving the setting state for Input RHAPSODY of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPSIRIUSIR**

[PUT Command]

@SYS:TRIG1INPSIRIUSIR=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUSIR=?

Operating & retrieving the setting state for Input SIRIUSIR of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPPANDORA**

[PUT Command]

@SYS:TRIG1INPPANDORA=Parameter

[GET Command]

@SYS:TRIG1INPPANDORA=?

Operating & retrieving the setting state for Input PANDORA of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPNAPSTER

[PUT Command]

@SYS:TRIG1INPNAPSTER=Parameter

[GET Command]

@SYS:TRIG1INPNAPSTER=?

Operating & retrieving the setting state for Input NAPSTER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPPC

[PUT Command]

@SYS:TRIG1INPPC=Parameter

[GET Command]

@SYS:TRIG1INPPC=?

Operating & retrieving the setting state for Input PC of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPNETRADIO

[PUT Command]

@SYS:TRIG1INPNETRADIO=Parameter

[GET Command]

@SYS:TRIG1INPNETRADIO=?

Operating & retrieving the setting state for Input NETRADIO of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPUSB

[PUT Command]

@SYS:TRIG1INPUSB=Parameter

[GET Command]

@SYS:TRIG1INPUSB=?

Operating & retrieving the setting state for Input USB of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPIPODUSB**

[PUT Command]

@SYS:TRIG1INPIPODUSB=Parameter

[GET Command]

@SYS:TRIG1INPIPODUSB=?

Operating & retrieving the setting state for Input IPODUSB of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **MEMGRD**

[PUT Command]

@SYS:MEMGRD=Parameter

[GET Command]

@SYS:MEMGRD=?

Operating & retrieving Memory Guard Setting state

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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- **REMOTECODE**

[PUT Command]

@SYS:REMOTECODE=Parameter

Operation by specifying IR command codes.

[Parameters]

Character Code: Hex, Fixed 8 characters

PUT Only: 8-digit ASCII (Hex) IR codes are to be specified for its value. See the IR command chart separately provided. [\[Link To the IR Code File\]](#)

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Sub Unit : MAIN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

\$Revision: \$

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Command Details of SubUnit: MAIN

- **AVAIL**

[GET Command]

@MAIN:AVAIL=?

Retrieving the validity of Main Zone operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **ZONENAME**

[PUT Command]

@MAIN:ZONENAME=Parameter

[GET Command]

@MAIN:ZONENAME=?

Setting & retrieving renamed info of Main Zone

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

PUT: setting its name / GET: indicating its name

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• SCENENAME

[GET Command]

@MAIN:SCENENAME=?

Retrieving renamed info of all SCENE presets for Main Zone

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• SCENE1NAME

[GET Command]

@MAIN:SCENE1NAME=?

Retrieving renamed info of SCENE1

[Parameters]

Character Code: Latin-1, Variable Length (0 to 20 characters)

GET Only

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• SCENE2NAME

[GET Command]

@MAIN:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• SCENE3NAME

[GET Command]

@MAIN:SCENE3NAME=?

Retrieving renamed info of SCENE3

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• SCENE4NAME

[GET Command]

@MAIN:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **BASIC**

[GET Command]

@MAIN: BASIC=?

GET Only. Main Zone basic info is retrieved at a time.

Updated by following commands: "@MAIN:PWR", "@MAIN:SLEEP", "@MAIN:VOL", "@MAIN:MUTE", "@MAIN:INP", "@MAIN:STRAIGHT", "@MAIN:ENHANCER" and "@MAIN:SOUNDPRG"

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- **PWR**

[PUT Command]

@MAIN:PWR=*Parameter*

[GET Command]

@MAIN:PWR=?

Operating & retrieving Power state of Main Zone

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@MAIN:SLEEP=*Parameter*

[GET Command]

@MAIN:SLEEP=?

Operating & retrieving Sleep setting state of Main Zone

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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- **VOL**

[PUT Command]

@MAIN:VOL=Parameter

[GET Command]

@MAIN:VOL=?

Operating & retrieving Main Zone Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **MUTE**

[PUT Command]

@MAIN:MUTE=Parameter

[GET Command]

@MAIN:MUTE=?

Operating & retrieving Main Zone muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• MAXVOL

[PUT Command]

@MAIN:MAXVOL=*Parameter*

[GET Command]

@MAIN:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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• INITVOLMODE

[PUT Command]

@MAIN:INITVOLMODE=*Parameter*

[GET Command]

@MAIN:INITVOLMODE=?

Operating & retrieving Initial Volume Mode state of Main Zone

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• INITVOLLVL

[PUT Command]

@MAIN:INITVOLLVL=*Parameter*

[GET Command]

@MAIN:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• INP

[PUT Command]

@MAIN:INP=*Parameter*

[GET Command]

@MAIN:INP=?

Operating & retrieving Main Zone Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

HDMI1

PUT: selecting input HDMI1 / GET: indicating current input is HDMI1

HDMI2

PUT: selecting input HDMI2 / GET: indicating current input is HDMI2

HDMI3

PUT: selecting input HDMI3 / GET: indicating current input is HDMI3

HDMI4

PUT: selecting input HDMI4 / GET: indicating current input is HDMI4

HDMI5

PUT: selecting input HDMI5 / GET: indicating current input is HDMI5

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT Only: selecting input USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• **DECODERSEL**

[PUT Command]

@MAIN:DECODERSEL=Parameter

[GET Command]

@MAIN:DECODERSEL=?

Operating & retrieving Decoder Select setting state

Decoder Select is for selecting an audio decoder specifically.

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Automatically selects audio decoder. Default value.

DTS

PUT: turning its setting state to DTS / GET: indicating DTS setting status.

Audio decoder is fixed to DTS

Unavailable

GET Only: indicating its setting is currently unavailable.

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• **SCENE**

[PUT Command]

@MAIN:SCENE=Parameter

Recalling Main Zone Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

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• SPBASS

[PUT Command]

@MAIN:SPBASS=Parameter

[GET Command]

@MAIN:SPBASS=?

Operating & retrieving Bass Tone Control setting state (Effective to speaker output)

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

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• SPTREBLE

[PUT Command]

@MAIN:SPTREBLE=Parameter

[GET Command]

@MAIN:SPTREBLE=?

Operating & retrieving Treble Tone Control setting state. (Effective to speaker output)

[Parameters]

Parameters are the same as [SPBASS](#)

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• PUREDIRMODE

[PUT Command]

@MAIN:PUREDIRMODE=Parameter

[GET Command]

@MAIN:PUREDIRMODE=?

Operating & retrieving Pure Direct Mode setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **ADAPTIVEDRC**

[PUT Command]

@MAIN:ADAPTIVEDRC=Parameter

[GET Command]

@MAIN:ADAPTIVEDRC=?

Operating & retrieving Adaptive DRC setting state

Adaptive DRC is an automatic Dynamic Range Control feature.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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- **LIPSYNCMODE**

[PUT Command]

@MAIN:LIPSYNCMODE=Parameter

[GET Command]

@MAIN:LIPSYNCMODE=?

Operating & retrieving Lipsync Mode setting state

[Parameters]

Manual

PUT: turning its setting state to Manual / GET: indicating Manual setting status.

About "Manual" setting of Lipsync Mode: When selecting "Manual" here, the audio delay value can be manually set. The effective setting of the audio delay value has some dependencies as follows. In case of using Analog Video Output only (no HDMI connection is active), audio delay value set by "@MAIN:ANLGOUT" command is effective. In case that HDMI OUT1 is in active connection, the value set by "@MAIN:HDMIOUT1MANUAL" command works. Else if HDMI OUT2 is the only one activated, the setting by "@MAIN:HDMIOUT2MANUAL" is enabled.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

About Lipsync Mode "Auto": Basically, Audio Delay value has 5 different settings internally according to "Video Output State (5 Status available)". And the 5 different status of "Video Output State" is determined by the combination of two states of "Display's state of compatibility/incompatibility with Auto Lipsync feature" and "Current effective HDMI output state (on the receiver)", which means 4 status, plus a status of "Analog Video Out only in use", summing up to 5 in total. The "Auto" setting of Lipsync Mode is to dynamically change the Audio Delay value corresponding to a specific status of Video Output State. "Video Output State" can be

retrieved with a command of "@MAIN:SELINFO", and you can set the effective Audio Delay value according to respective Video Output status by these commands as following;

When "@MAIN:SELINFO=Analog": the audio delay can be set by "@MAIN:ANLGOUT" command

When "@MAIN:SELINFO=HDMI1 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1OFFSET" command

When "@MAIN:SELINFO=HDMI1 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1MANUAL" command

When "@MAIN:SELINFO=HDMI2 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2OFFSET" command

When "@MAIN:SELINFO=HDMI2 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2MANUAL" command

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• LIPSYNCANLGOUT

[PUT Command]

@MAIN:LIPSYNCANLGOUT=Parameter

[GET Command]

@MAIN:LIPSYNCANLGOUT=?

Operating & retrieving Audio Delay setting state in case when the Analog Video output is only effective (no HDMI output is in use).

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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• LIPSYNCHDMIOUT1OFFSET

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=?

Operating & retrieving Audio Delay setting state in case when the Display is compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: -250 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT1MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=?

Operating & retrieving Audio Delay setting state in case when the Display is NOT compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT2OFFSET**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1OFFSET](#)

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- **LIPSYNCHDMIOUT2MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1MANUAL](#)

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- **LIPSYNCSELINFO**

[GET Command]

@MAIN:LIPSYNCSELINFO=?

Retrieving current Video Output State

[Parameters]

Analog

GET Only: indicating Analog video connection is only available (no HDMI out is in use)

HDMI1 Auto

GET Only: indicating HDMI1 output connection is effective, and the Display is compatible with Auto Lipsync feature.

HDMI1 Manual

GET Only: indicating HDMI1 output connection is effective, and the Display is NOT compatible with Auto Lipsync feature.

HDMI2 Auto

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is compatible with Auto Lipsync feature.

HDMI2 Manual

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is NOT compatible with Auto Lipsync feature.

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• LIPSYNCOFFSETINFO

[GET Command]

@MAIN:LIPSYNCOFFSETINFO=?

Retrieving the Audio Delay Offset value that is reported by the Display compatible with Auto Lipsync feature

[Parameters]

Numerical Number: 0 to 250, Step: 1

GET Only: indicating the current value.

The unit for this parameter is "ms".

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• HDMIOUT

[PUT Command]

@MAIN:HDMIOUT=*Parameter*

[GET Command]

@MAIN:HDMIOUT=?

Operating & retrieving HDMI Output setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off (output is disabled)/ GET: indicating Off setting status.

OUT

PUT: turning its setting state to OUT (meaning output is enabled) / GET: indicating OUT setting status.

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- **HDMIAUDOUTAMP**

[PUT Command]

@MAIN:HDMIAUDOUTAMP=Parameter

[GET Command]

@MAIN:HDMIAUDOUTAMP=?

Operating & retrieving HDMI Audio Output to Amp (Receiver) setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **HDMIAUDOUT1**

[PUT Command]

@MAIN:HDMIAUDOUT1=Parameter

[GET Command]

@MAIN:HDMIAUDOUT1=?

Operating & retrieving HDMI Audio Output to HDMI OUT1 setting state

[Parameters]

Parameters are the same as [HDMIAUDOUTAMP](#)

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- **TVAUDIN1**

[PUT Command]

@MAIN:TVAUDIN1=Parameter

[GET Command]

@MAIN:TVAUDIN1=?

Operating & retrieving TV Audio In: TV1 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT1.

[Parameters]

AV1

PUT: turning its setting state to AV1 / GET: indicating AV1 setting status.

AV2

PUT: turning its setting state to AV2 / GET: indicating AV2 setting status.

AV3

PUT: turning its setting state to AV3 / GET: indicating AV3 setting status.

AV4

PUT: turning its setting state to AV4 / GET: indicating AV4 setting status.

AV5

PUT: turning its setting state to AV5 / GET: indicating AV5 setting status.

AV6

PUT: turning its setting state to AV6 / GET: indicating AV6 setting status.

AUDIO1

PUT: turning its setting state to AUDIO1 / GET: indicating AUDIO1 setting status.

AUDIO2

PUT: turning its setting state to AUDIO2 / GET: indicating AUDIO2 setting status.

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• TVAUDIN2

[PUT Command]

@MAIN:TVAUDIN2=Parameter

[GET Command]

@MAIN:TVAUDIN2=?

Operating & retrieving TV Audio In: TV2 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT2.

[Parameters]

Parameters are the same as TVAUDINI

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• HDMIPROCESSING

[PUT Command]

@MAIN:HDMIPROCESSING=Parameter

[GET Command]

@MAIN:HDMIPROCESSING=?

Operating & retrieving HDMI Video Processing setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• HDMIASPECT

[PUT Command]

@MAIN:HDMIASPECT=Parameter

[GET Command]

@MAIN:HDMIASPECT=?

Operating & retrieving HDMI Video Aspect setting state

[Parameters]

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

16:9 Normal

PUT: turning its setting state to 16:9 Normal / GET: indicating 16:9 Normal setting status.

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• HDMIRESOL

[PUT Command]

@MAIN:HDMIRESOL=Parameter

[GET Command]

@MAIN:HDMIRESOL=?

Operating & retrieving HDMI Video Resolution setting state

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

480p / 576p

PUT: turning its setting state to 480p / 576p / GET: indicating 480p / 576p setting status.

720p

PUT: turning its setting state to 720p / GET: indicating 720p setting status.

1080i

PUT: turning its setting state to 1080i / GET: indicating 1080i setting status.

1080p

PUT: turning its setting state to 1080p / GET: indicating 1080p setting status.

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

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• HPBASS

[PUT Command]

@MAIN:HPBASS=Parameter

[GET Command]

@MAIN:HPBASS=?

Operating & retrieving Bass Tone Control setting state for Headphone

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "dB".

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• HPTREBLE

[PUT Command]

@MAIN:HPTREBLE=Parameter

[GET Command]

@MAIN:HPTREBLE=?

Operating & retrieving Treble Tone Control setting state for Headphone

[Parameters]

Parameters are the same as [HPBASS](#)

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• STRAIGHT

[PUT Command]

@MAIN:STRAIGHT=Parameter

[GET Command]

@MAIN:STRAIGHT=?

Operating & retrieving STRAIGHT setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• ENHANCER

[PUT Command]

@MAIN:ENHANCER=Parameter

[GET Command]

@MAIN:ENHANCER=?

Operating & retrieving ENHANCER setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• SOUNDPRG

[PUT Command]

@MAIN:SOUNDPRG=Parameter

[GET Command]

@MAIN:SOUNDPRG=?

Operating & retrieving DSP SOUND PROGRAM setting state

Initial Auto Feedback is Available

[Parameters]

Hall in Munich

PUT: turning its setting state to Hall in Munich / GET: indicating Hall in Munich setting status.

Hall in Vienna

PUT: turning its setting state to Hall in Vienna / GET: indicating Hall in Vienna setting status.

Chamber

PUT: turning its setting state to Chamber / GET: indicating Chamber setting status.

Cellar Club

PUT: turning its setting state to Cellar Club / GET: indicating Cellar Club setting status.

The Roxy Theatre

PUT: turning its setting state to The Roxy Theatre / GET: indicating The Roxy Theatre setting status.

The Bottom Line

PUT: turning its setting state to The Bottom Line / GET: indicating The Bottom Line setting status.

Sports

PUT: turning its setting state to Sports / GET: indicating Sports setting status.

Action Game

PUT: turning its setting state to Action Game / GET: indicating Action Game setting status.

Roleplaying Game

PUT: turning its setting state to Roleplaying Game / GET: indicating Roleplaying Game setting status.

Music Video

PUT: turning its setting state to Music Video / GET: indicating Music Video setting status.

Standard

PUT: turning its setting state to Standard / GET: indicating Standard setting status.

Spectacle

PUT: turning its setting state to Spectacle / GET: indicating Spectacle setting status.

Sci-Fi

PUT: turning its setting state to Sci-Fi / GET: indicating Sci-Fi setting status.

Adventure

PUT: turning its setting state to Adventure / GET: indicating Adventure setting status.

Drama

PUT: turning its setting state to Drama / GET: indicating Drama setting status.

Mono Movie

PUT: turning its setting state to Mono Movie / GET: indicating Mono Movie setting status.

2ch Stereo

PUT: turning its setting state to 2ch Stereo / GET: indicating 2ch Stereo setting status.

7ch Stereo

PUT: turning its setting state to 7ch Stereo / GET: indicating 7ch Stereo setting status.

Surround Decoder

PUT: turning its setting state to Surround Decoder / GET: indicating Surround Decoder setting status.

- **ADAPTIVEDSP**

[PUT Command]

@MAIN:ADAPTIVEDSP=Parameter

[GET Command]

@MAIN:ADAPTIVEDSP=?

Operating & retrieving Adaptive DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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- **3DCINEMA**

[PUT Command]

@MAIN:3DCINEMA=Parameter

[GET Command]

@MAIN:3DCINEMA=?

Operating & retrieving 3D DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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- **EXSURDECODER**

[PUT Command]

@MAIN:EXSURDECODER=Parameter

[GET Command]

@MAIN:EXSURDECODER=?

Operating & retrieving Extended Surround setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

EX/ES

PUT: turning its setting state to EX/ES / GET: indicating EX/ES setting status.

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• 2CHDECODER

[PUT Command]

@MAIN:2CHDECODER=Parameter

[GET Command]

@MAIN:2CHDECODER=?

Operating & retrieving Surround Decoder setting state for 2ch audio signal

It changes to PLII or PLIIx automatically depending on other settings or status.

[Parameters]

Dolby PL

Dolby PLII Movie

PUT: turning its setting state to Dolby PLII Movie / GET: indicating Dolby PLII Movie setting status.

Dolby PLII Music

PUT: turning its setting state to Dolby PLII Music / GET: indicating Dolby PLII Music setting status.

Dolby PLII Game

PUT: turning its setting state to Dolby PLII Game / GET: indicating Dolby PLII Game setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

Dolby PLIIx Game

PUT: turning its setting state to Dolby PLIIx Game / GET: indicating Dolby PLIIx Game setting status.

DTS NEO:6 Cinema

PUT: turning its setting state to DTS NEO:6 Cinema / GET: indicating DTS NEO:6 Cinema setting status.

DTS NEO:6 Music

PUT: turning its setting state to DTS NEO:6 Music / GET: indicating DTS NEO:6 Music setting status.

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• PLAYBACK

[PUT Command]

@MAIN:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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- **LISTCURSOR**

- [PUT Command]**

- @MAIN:LISTCURSOR=Parameter*

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Left*

- Right*

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTMENU**

- [PUT Command]**

- @MAIN:LISTMENU=Parameter*

- [Parameters]**

- On Screen*

- Top Menu*

- Menu*

- Option*

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Sub Unit : ZONE2

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

\$Revision: \$

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2. Volume

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INITVOLLVL
MUTE

3. Input

INP

4. Information

BASIC

5. Play Control

PLAYBACK

6. Others

AVAIL
ZONENAME

Command Details of SubUnit: ZONE2

- AVAIL

[GET Command]

@ZONE2:AVAIL=?

Retrieving the validity of Zone 2 operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

- **ZONENAME**

[PUT Command]

@ZONE2:ZONENAME=Parameter

[GET Command]

@ZONE2:ZONENAME=?

Setting & retrieving renamed info of Zone 2

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

PUT: setting its name / GET: indicating its name

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- **BASIC**

[GET Command]

@ZONE2:BASIC=?

GET Only. Zone 2 basic info is retrieved at a time.

Updated by following commands: "@ZONE2:PWR", "@ZONE2:SLEEP", "@ZONE2:VOL", "@ZONE2:MUTE", and "@ZONE2:INP"

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- **PWR**

[PUT Command]

@ZONE2:PWR=Parameter

[GET Command]

@ZONE2:PWR=?

Operating & retrieving Power state of Zone 2

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@ZONE2:SLEEP=Parameter

[GET Command]

@ZONE2:SLEEP=?

Operating & retrieving Sleep setting state of Zone 2

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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• VOL

[PUT Command]

@ZONE2:VOL=Parameter

[GET Command]

@ZONE2:VOL=?

Operating & retrieving Zone 2 Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@ZONE2:MUTE=Parameter

[GET Command]

@ZONE2:MUTE=?

Operating & retrieving Zone 2 muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• MAXVOL

[PUT Command]

@ZONE2:MAXVOL=Parameter

[GET Command]

@ZONE2:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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- **INITVOLMODE**

[PUT Command]

@ZONE2:INITVOLMODE=*Parameter*

[GET Command]

@ZONE2:INITVOLMODE=?

Operating & retrieving Initial Volume Mode setting state of Zone 2

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@ZONE2:INITVOLLVL=*Parameter*

[GET Command]

@ZONE2:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **INP**

[PUT Command]

@ZONE2:INP=*Parameter*

[GET Command]

@ZONE2:INP=?

Operating & retrieving Zone 2 Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT: selecting input USB / GET: indicating current input is USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• **PLAYBACK**

[PUT Command]

@ZONE2:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : TUN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: TUN

• AVAIL

[GET Command]

@TUN:AVAIL=?

Retrieving the validity of Tuner operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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• SEARCHMODE

[PUT Command]

@TUN:SEARCHMODE=Parameter

[GET Command]

@TUN:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

Tuning

PUT: selecting Tuning search mode / GET: indicating current search mode is Tuning

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• PRESET

[PUT Command]

@TUN:PRESET=Parameter

[GET Command]

@TUN:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available preset number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available preset number to the current one in the way of smaller number to larger.

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• MEM

[PUT Command]

@TUN:MEM=Parameter

Registering current frequency to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **FMFREQ**

[PUT Command]

@TUN:FMFREQ=Parameter

[GET Command]

@TUN:FMFREQ=?

Operating & retrieving FM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no FM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 87.50 to 107.90, Step: 0.20

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "MHz".

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- **AMFREQ**

[PUT Command]

@TUN:AMFREQ=Parameter

[GET Command]

@TUN:AMFREQ=?

Operating & retrieving AM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no AM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 530 to 1710, Step: 10

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "kHz".

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• BAND

[PUT Command]

@TUN:BAND=Parameter

[GET Command]

@TUN:BAND=?

Operating & retrieving the Frequency Band type

Initial Auto Feedback is Available

[Parameters]

FM

PUT: selecting FM / GET: indicating current band type is FM

AM

PUT: selecting AM / GET: indicating current band type is AM

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• FM MODE

[PUT Command]

@TUN:FM MODE=Parameter

[GET Command]

@TUN:FM MODE=?

Operating & retrieving FM playback mode

Initial Auto Feedback is Available

[Parameters]

Auto

PUT: selecting Auto mode. / GET: indicating Auto mode

This is a mode that automatically mutes the sound when no stereo reception is available.

Mono

PUT: selecting Mono mode. / GET: indicating Mono mode

This is a mode to force the reception to be monaural (used when the reception is weak and easily gets muted).

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• **SIGINFO**

[GET Command]

@TUN:SIGINFO=?

GET Only. Tuner signal status can be retrieved at a time.

Updated by following commands: "@TUN:TUNED" and "@TUN:SIGSTEREOMONO"

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• **TUNED**

[GET Command]

@TUN:TUNED=?

Retrieving the tuning status

Initial Auto Feedback is Available

[Parameters]

Negate

GET Only: indicating untuned status

Assert

GET Only: indicating tuned to a station

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• **SIGSTEREOMONO**

[GET Command]

@TUN:SIGSTEREOMONO=?

Retrieving whether the playback signal is mono or stereo.

Initial Auto Feedback is Available

Negate means now playing monaural signal or not tuned. Assert means now playing Stereo signal.

[Parameters]

*Parameters are the same as **TUNED***

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Sub Unit : SIRIUS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

\$Revision: \$

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CHNAME

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SONG

COMPOSER

PLOCK

Command Details of SubUnit: SIRIUS

- AVAIL

[GET Command]

@SIRIUS:AVAIL=?

Retrieving the connection state of SiriusConnect tuner (adapter) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the adapter is not connected.

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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- **SEARCHMODE**

[PUT Command]

@SIRIUS:SEARCHMODE=Parameter

[GET Command]

@SIRIUS:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

All Ch

PUT: selecting All Ch search mode / GET: indicating current search mode is All Ch

Category

PUT: selecting Category search mode / GET: indicating current search mode is Category

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

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- **PRESET**

[PUT Command]

@SIRIUS:PRESET=Parameter

[GET Command]

@SIRIUS:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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- **MEM**

[PUT Command]

@SIRIUS:MEM=*Parameter*

Registering current channel to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• CATSEL

[PUT Command]

@SIRIUS:CATSEL=*Parameter*

Operating Category selection.

[Parameters]

Down

PUT Only: selecting in the reverse order

Up

PUT Only: selecting in order

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• CHSEL

[PUT Command]

@SIRIUS:CHSEL=*Parameter*

[GET Command]

@SIRIUS:CHSEL=?

Operating & retrieving Channel Number selection

[Parameters]

Numerical Number: 0 to 223, Step: 1

PUT: changing to the specified number. / GET: indicating current selection

255

PUT: doing nothing / GET: indicating "not connected to the adapter" or "no station is received"

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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• SIGINFO

[GET Command]

@SIRIUS:SIGINFO=?

GET Only. Signal status can be retrieved at a time.

Updated by following command: "@SIRIUS:ANTLVL" only

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- **ANTLVL**

[GET Command]

@SIRIUS:ANTLVL=?

Retrieving the signal strength state at the antenna.

Initial Auto Feedback is Available

[Parameters]

No Signal

GET Only: indicating its status is No Signal

Weak

GET Only: indicating its status is Weak

Good

GET Only: indicating its status is Good

Excellent

GET Only: indicating its status is Excellent

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- **METAINFO**

[GET Command]

@SIRIUS:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@SIRIUS:CATNAME", "@SIRIUS:CHNUM", "@SIRIUS:CHNAME", "@SIRIUS:ARTIST", "@SIRIUS:SONG" and "@SIRIUS:COMPOSER"

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- **CATNAME**

[GET Command]

@SIRIUS:CATNAME=?

Retrieving Category Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Latin-1, Variable Length (0 to 16 characters)

GET Only

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- **CHNUM**

[GET Command]

@SIRIUS:CHNUM=?

Retrieving Channel Number

Initial Auto Feedback is Available

[Parameters]

Numerical Number: 0 to 255, Step: 1

GET Only

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• CHNAME

[GET Command]

@SIRIUS:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ARTIST

[GET Command]

@SIRIUS:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• SONG

[GET Command]

@SIRIUS:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• COMPOSER

[GET Command]

@SIRIUS:COMPOSER=?

Retrieving Composer Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **PLOCK**

[GET Command]

@SIRIUS:PLOCK=?

Retrieving the state of Parental Lock

Initial Auto Feedback is Available

[Parameters]

Locked

GET Only: indicating its status is Locked

Unlocked

GET Only: indicating its status is Unlocked

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Sub Unit : IPOD

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

ARTIST

Command Details of SubUnit: IPOD

- **AVAIL**

[GET Command]

@IPOD:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPOD:MODE=*Parameter*

[GET Command]

@IPOD:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPOD:REPEAT=*Parameter*

[GET Command]

@IPOD:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPOD:SHUFFLE=Parameter

[GET Command]

@IPOD:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

[Back To Index](#)

• PLAYBACK

[PUT Command]

@IPOD:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPOD:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPOD:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPOD:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPOD:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPOD:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPOD:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

[PUT Command]

@IPOD:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTPAGE**

[PUT Command]

@IPOD:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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- **LISTINFO**

[GET Command]

@IPOD:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPOD:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPOD:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPOD:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPOD:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPOD:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPOD:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPOD:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPOD:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPOD:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@IPOD:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@IPOD:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPOD:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : BT

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: BT

• AVAIL

[GET Command]

@BT:AVAIL=?

Retrieving the connection state of Bluetooth (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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• PAIRING

[PUT Command]

@BT:PAIRING=Parameter

Operating the setting state of Pariring

[Parameters]

Start

PUT Only: changing its state to Start

Cancel

PUT Only: changing its state to Cancel

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- **CONNECT**

- [PUT Command]**

- @BT:CONNECT=Parameter*

- Operating the connection state

- [Parameters]**

- Disconnect*

- PUT Only: changing its state to Disconnect

- Connect*

- PUT Only: changing its state to Connect

[Back To Index](#)

- **CONNECTINFO**

- [GET Command]**

- @BT:CONNECTINFO=?*

- [Parameters]**

- Disconnected*

- Connected*

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- **PLAYBACK**

- [PUT Command]**

- @BT:PLAYBACK=Parameter*

- Operating the playback state

- [Parameters]**

- Stop*

- PUT Only: change its state to Stop

- Pause*

- PUT Only: change its state to Pause

- Play*

- PUT Only: change its state to Play

- |<<*

- PUT Only: change its state to |<<

- meaning Skip Rev

- >>|*

- PUT Only: change its state to >>|

- meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : UAW

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date:: \$

\$Revision: \$

Command Index

1. Others

[AVAIL](#)

Command Details of SubUnit: UAW

- **AVAIL**

[GET Command]

@UAW:AVAIL=?

Retrieving the connection state of UAW (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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Sub Unit : RHAP

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: RHAP

- **AVAIL**

[GET Command]

@RHAP:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@RHAP:REPEAT=Parameter

[GET Command]

@RHAP:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@RHAP:SHUFFLE=Parameter

[GET Command]

@RHAP:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@RHAP:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@RHAP:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@RHAP:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@RHAP:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@RHAP:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@RHAP:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@RHAP:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@RHAP:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@RHAP:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @RHAP:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @RHAP:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @RHAP:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@RHAP:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@RHAP:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@RHAP:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@RHAP:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

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- **LINE2TXT**

[GET Command]

@RHAP:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@RHAP:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@RHAP:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@RHAP:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@RHAP:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@RHAP:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@RHAP:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@RHAP:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@RHAP:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@RHAP:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@RHAP:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@RHAP:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@RHAP:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@RHAP:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : SIRIUSIR

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

\$Revision: \$

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CURRLINE

MAXLINE

4. Others

AVAIL

CHNAME

ARTIST

Command Details of SubUnit: SIRIUSIR

- **AVAIL**

[GET Command]

@SIRIUSIR:AVAIL=?

Retrieving the state of network link or the validity of SIRIUS Internet Radio operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@SIRIUSIR:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@SIRIUSIR:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@SIRIUSIR:PLAYBACK=*Parameter*

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• PLAYBACKINFO

[GET Command]

@SIRIUSIR:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• METAINFO

[GET Command]

@SIRIUSIR:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:CHNAME", "@XXXX:ARTIST" and "@XXXX:SONG" (XXXX = SubUnit name)

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• CHNAME

[GET Command]

@SIRIUSIR:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ARTIST**

[GET Command]

@SIRIUSIR:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **SONG**

[GET Command]

@SIRIUSIR:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **LISTSEL**

[PUT Command]

@SIRIUSIR:LISTSEL=*Parameter*

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @SIRIUSIR:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @SIRIUSIR:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @SIRIUSIR:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @SIRIUSIR:LISTLAYER=?*

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• **LISTLAYERNAME**

[GET Command]

@SIRIUSIR:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@SIRIUSIR:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@SIRIUSIR:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@SIRIUSIR:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATTRIB**

[GET Command]

@SIRIUSIR:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE3TXT**

[GET Command]

@SIRIUSIR:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATTRIB**

[GET Command]

@SIRIUSIR:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE4TXT**

[GET Command]

@SIRIUSIR:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATTRIB**

[GET Command]

@SIRIUSIR:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE5TXT**

[GET Command]

@SIRIUSIR:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@SIRIUSIR:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@SIRIUSIR:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@SIRIUSIR:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@SIRIUSIR:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@SIRIUSIR:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@SIRIUSIR:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@SIRIUSIR:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@SIRIUSIR:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@SIRIUSIR:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PANDORA

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date:: \$

\$Revision: \$

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LINE7TXT

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LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

BOOKMARK

FEEDBACK

Command Details of SubUnit: PANDORA

- **AVAIL**

[GET Command]

@PANDORA:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@PANDORA:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@PANDORA:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@PANDORA:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Fwd

PUT Only: change its state to Skip Fwd

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- **BOOKMARK**

[PUT Command]

@PANDORA:BOOKMARK=Parameter

[Parameters]

Song

Artist

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- **FEEDBACK**

[PUT Command]

@PANDORA:FEEDBACK=Parameter

[GET Command]

@PANDORA:FEEDBACK=?

Operating & retrieving thumbs up/down state

[Parameters]

GET Only

Thumb Down

PUT: change its state to Thumb Down / GET: indicating its state is Thumb Down

Thumb Up

PUT: change its state to Thumb Up / GET: indicating its state is Thumb Up

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- **PLAYBACKINFO**

- [GET Command]**

- @PANDORA:PLAYBACKINFO=?

- Retrieving the playback state

- Initial Auto Feedback is Available

- [Parameters]**

- Stop*

- GET Only: indicating its state is Stop

- Pause*

- GET Only: indicating its state is Pause

- Play*

- GET Only: indicating its state is Play

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- **METAINFO**

- [GET Command]**

- @PANDORA:METAINFO=?

- GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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- **SONG**

- [GET Command]**

- @PANDORA:SONG=?

- Retrieving Artist Name

- Initial Auto Feedback is Available

- [Parameters]**

- Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)*

- GET Only

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- **ALBUM**

- [GET Command]**

- @PANDORA:ALBUM=?

- Retrieving Album Title

- Initial Auto Feedback is Available

- [Parameters]**

- Parameters are the same as [SONG](#)*

- **STATION**

[GET Command]

@PANDORA:STATION=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [SONG](#)

- **LISTSEL**

[PUT Command]

@PANDORA:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

- **LISTCURSOR**

[PUT Command]

@PANDORA:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTPAGE**

- [PUT Command]**

- @PANDORA:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PANDORA:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

- Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @PANDORA:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

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- **LISTLAYERNAME**

- [GET Command]**

@PANDORA:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@PANDORA:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@PANDORA:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@PANDORA:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATRIB**

[GET Command]

@PANDORA:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATRIB**

[GET Command]

@PANDORA:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATRIB**

[GET Command]

@PANDORA:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATRIB**

[GET Command]

@PANDORA:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@PANDORA:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@PANDORA:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@PANDORA:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@PANDORA:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@PANDORA:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@PANDORA:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@PANDORA:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PANDORA:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NAPSTER

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: NAPSTER

- **AVAIL**

[GET Command]

@NAPSTER:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@NAPSTER:REPEAT=Parameter

[GET Command]

@NAPSTER:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@NAPSTER:SHUFFLE=Parameter

[GET Command]

@NAPSTER:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@NAPSTER:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@NAPSTER:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@NAPSTER:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

/<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@NAPSTER:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NAPSTER:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@NAPSTER:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

- **ALBUM**

[GET Command]

@NAPSTER:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **LISTSEL**

[PUT Command]

@NAPSTER:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

- **LISTCURSOR**

[PUT Command]

@NAPSTER:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

- **LISTPAGE**

[PUT Command]

@NAPSTER:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

- **LISTINFO**

[GET Command]

@NAPSTER:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@NAPSTER:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• **LISTLAYERNAME**

[GET Command]

@NAPSTER:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@NAPSTER:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@NAPSTER:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

- **LINE2TXT**

[GET Command]

@NAPSTER:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@NAPSTER:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NAPSTER:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NAPSTER:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATRIB**

[GET Command]

@NAPSTER:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE6ATRIB**

[GET Command]

@NAPSTER:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE7ATRIB**

[GET Command]

@NAPSTER:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE8TXT**

[GET Command]

@NAPSTER:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@NAPSTER:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@NAPSTER:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NAPSTER:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PC

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

\$Revision: \$

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CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: PC

- **AVAIL**

[GET Command]

@PC:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@PC:REPEAT=Parameter

[GET Command]

@PC:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@PC:SHUFFLE=Parameter

[GET Command]

@PC:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@PC:PRESET=*Parameter*

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@PC:MEM=*Parameter*

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@PC:PLAYBACK=*Parameter*

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@PC:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@PC:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@PC:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@PC:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@PC:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@PC:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 8

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @PC:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @PC:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PC:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@PC:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@PC:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@PC:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@PC:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@PC:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@PC:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@PC:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@PC:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@PC:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@PC:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

- **LINE5TXT**

[GET Command]

@PC:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@PC:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@PC:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@PC:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@PC:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@PC:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@PC:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@PC:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@PC:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PC:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NETRADIO

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

STATION

BOOKMARK

Command Details of SubUnit: NETRADIO

- **AVAIL**

[GET Command]

@NETRADIO:AVAIL=?

Retrieving the state of network link or the validity of NET RADIO operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@NETRADIO:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@NETRADIO:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@NETRADIO:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• **PLAYBACKINFO**

[GET Command]

@NETRADIO:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NETRADIO:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:STATION" Only (XXXX = SubUnit name)

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• **STATION**

[GET Command]

@NETRADIO:STATION=?

Retrieving Station Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LISTSEL**

[PUT Command]

@NETRADIO:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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• **LISTCURSOR**

[PUT Command]

@NETRADIO:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTPAGE**

[PUT Command]

@NETRADIO:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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• BOOKMARK

[PUT Command]

@NETRADIO:BOOKMARK=Parameter

Operating the Bookmark

[Parameters]

Off

PUT Only: Bookmark Off the current playback station

On

PUT Only: Bookmark On the current playback station

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• LISTINFO

[GET Command]

@NETRADIO:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@NETRADIO:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@NETRADIO:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• LINE2TXT

[GET Command]

@NETRADIO:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• LINE2ATRIB

[GET Command]

@NETRADIO:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@NETRADIO:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@NETRADIO:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@NETRADIO:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@NETRADIO:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@NETRADIO:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@NETRADIO:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

- [GET Command]**

- @NETRADIO:LINE6TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE6ATRIB**

- [GET Command]**

- @NETRADIO:LINE6ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE7TXT**

- [GET Command]**

- @NETRADIO:LINE7TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE7ATRIB**

- [GET Command]**

- @NETRADIO:LINE7ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE8TXT**

- [GET Command]**

- @NETRADIO:LINE8TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE8ATRIB**

- [GET Command]**

- @NETRADIO:LINE8ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **CURRLINE**

- [GET Command]**

@NETRADIO:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NETRADIO:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : USB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

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SHUFFLE

Command Details of SubUnit: USB

- **AVAIL**

[GET Command]

@USB:AVAIL=?

Retrieving the connection state of USB (device) or the validity of USB operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@USB:REPEAT=Parameter

[GET Command]

@USB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@USB:SHUFFLE=Parameter

[GET Command]

@USB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@USB:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@USB:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@USB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@USB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@USB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@USB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ALBUM**

[GET Command]

@USB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@USB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@USB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @USB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @USB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @USB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available*

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- **LISTLAYER**

- [GET Command]**

- @USB:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

- **LISTLAYERNAME**

[GET Command]

@USB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

- **LINE1TXT**

[GET Command]

@USB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

- **LINE1ATRIB**

[GET Command]

@USB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

- **LINE2TXT**

[GET Command]

@USB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE2ATRIB**

[GET Command]

@USB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@USB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@USB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@USB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@USB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : IPODUSB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V671

Product Region: USA

\$Date: \$

\$Revision: \$

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MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

ARTIST

Command Details of SubUnit: IPODUSB

- **AVAIL**

[GET Command]

@IPODUSB:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPODUSB:MODE=*Parameter*

[GET Command]

@IPODUSB:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPODUSB:REPEAT=*Parameter*

[GET Command]

@IPODUSB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPODUSB:SHUFFLE=Parameter

[GET Command]

@IPODUSB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPODUSB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPODUSB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPODUSB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPODUSB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPODUSB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPODUSB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPODUSB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPODUSB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPODUSB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPODUSB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPODUSB:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPODUSB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPODUSB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPODUSB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPODUSB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPODUSB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPODUSB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPODUSB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPODUSB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPODUSB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPODUSB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPODUSB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPODUSB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPODUSB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPODUSB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@IPODUSB:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@IPODUSB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPODUSB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : SYS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date: \$

\$Revision: \$

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INPNAMEHDMI1

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TRIG1TYPE
TRIG1ZONE
MEMGRD
REMOTECODE

Command Details of SubUnit: SYS

- **MODELNAME**

[GET Command]

@SYS:MODELNAME=?

Retrieving Model Name

[Parameters]

Character Code: Ascii, Variable Length (1 to 16 characters)

GET Only

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- **VERSION**

[GET Command]

@SYS:VERSION=?

Retrieving the version of software.

[Parameters]

Character Code: Ascii, Fixed 9 characters

GET Only

Value string is in a format of "x.xx/y.yy"; x.xx = System Version, y.yy = Command Protocol Version.

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- **INPNAME**

[GET Command]

@SYS:INPNAME=?

Retrieving each input's renamed info at a time.

Each response command forms like @SYS:INPNAMExxxx=XXXX (xxxx: Default Input Name, XXXX: Renamed Info)

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- **INPNAMEHDMI1**

[GET Command]

@SYS:INPNAMEHDMI1=?

Retrieving renamed info of HDMI1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEHDMI2**

[GET Command]

@SYS:INPNAMEHDMI2=?

Retrieving renamed info of HDMI2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEHDMI3**

[GET Command]

@SYS:INPNAMEHDMI3=?

Retrieving renamed info of HDMI3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEHDMI4**

[GET Command]

@SYS:INPNAMEHDMI4=?

Retrieving renamed info of HDMI4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEHDMI5**

[GET Command]

@SYS:INPNAMEHDMI5=?

Retrieving renamed info of HDMI5

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV1**

[GET Command]

@SYS:INPNAMEAV1=?

Retrieving renamed info of AV1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV2**

[GET Command]

@SYS:INPNAMEAV2=?

Retrieving renamed info of AV2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV3**

[GET Command]

@SYS:INPNAMEAV3=?

Retrieving renamed info of AV3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV4**

[GET Command]

@SYS:INPNAMEAV4=?

Retrieving renamed info of AV4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV5

[GET Command]

@SYS:INPNAMEAV5=?

Retrieving renamed info of AV5

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV6

[GET Command]

@SYS:INPNAMEAV6=?

Retrieving renamed info of AV6

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEVAUX

[GET Command]

@SYS:INPNAMEVAUX=?

Retrieving renamed info of VAUX

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAUDIO1

[GET Command]

@SYS:INPNAMEAUDIO1=?

Retrieving renamed info of AUDIO1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAUDIO2

[GET Command]

@SYS:INPNAMEAUDIO2=?

Retrieving renamed info of AUDIO2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEDOCK**

- [GET Command]**

- @SYS:INPNAMEDOCK=?*

- Retrieving renamed info of DOCK

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEUSB**

- [GET Command]**

- @SYS:INPNAMEUSB=?*

- Retrieving renamed info of USB

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **PWR**

- [PUT Command]**

- @SYS:PWR=Parameter*

- [GET Command]**

- @SYS:PWR=?*

- Operating & retrieving All Zones power state.

- Initial Auto Feedback is Available**

- [Parameters]**

- Standby*

- PUT: turning its state to Standby / GET: indicating Standby status.

- On*

- PUT: turning its state to On / GET: indicating On status.

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- **VIDANLGCONV**

- [PUT Command]**

- @SYS:VIDANLGCONV=Parameter*

- [GET Command]**

- @SYS:VIDANLGCONV=?*

- Operating & retrieving Analog Video Conversion setting state.

- [Parameters]**

- Off*

- PUT: setting to Off / GET: indicating Off status.

- On*

- PUT: setting to On / GET: indicating On status.

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- **SPPATTERN1AMP**

[PUT Command]

@SYS:SPPATTERN1AMP=Parameter

[GET Command]

@SYS:SPPATTERN1AMP=?

Operating & retrieving Amp Assign setting state for Speaker Pattern1.

[Parameters]

Basic

PUT: setting to Basic / GET: indicating its setting at Basic.

7ch +1ZONE

PUT: setting to 7ch +1ZONE / GET: indicating its setting at 7ch +1ZONE.

5ch BI-AMP

PUT: setting to 5ch BI-AMP / GET: indicating its setting at 5ch BI-AMP.

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- **SPPATTERN1FRNTCNFG**

[PUT Command]

@SYS:SPPATTERN1FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTCNFG=?

Operating & retrieving Front Ch Configuration setting state for Speaker Pattern1.

[Parameters]

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1CENTCNFG**

[PUT Command]

@SYS:SPPATTERN1CENTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1CENTCNFG=?

Operating & retrieving Center Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1SURCNFG**

[PUT Command]

@SYS:SPPATTERN1SURCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURCNFG=?

Operating & retrieving Surround Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1SURBCNFG**

[PUT Command]

@SYS:SPPATTERN1SURBCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURBCNFG=?

Operating & retrieving Surround Back Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small x1

PUT: setting to Small x1 / GET: indicating its setting at Small x1.

Large x1

PUT: setting to Large x1 / GET: indicating its setting at Large x1.

Small x2

PUT: setting to Small x2 / GET: indicating its setting at Small x2.

Large x2

PUT: setting to Large x2 / GET: indicating its setting at Large x2.

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- **SPPATTERN1FRNTPRES**

[PUT Command]

@SYS:SPPATTERN1FRNTPRES=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTPRES=?

Operating & retrieving Front Presence Ch setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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• **SPPATTERN1SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN1SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1CNFG=?

Operating & retrieving Subwoofer1 Configuration state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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• **SPPATTERN1SWFR1PHASE**

[PUT Command]

@SYS:SPPATTERN1SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1PHASE=?

Operating & retrieving Subwoofer1 Phase setting state for Speaker Pattern1.

[Parameters]

Normal

PUT: setting to Normal / GET: indicating its setting at Normal.

Reverse

PUT: setting to Reverse / GET: indicating its setting at Reverse.

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• **SPPATTERN1EXBASS**

[PUT Command]

@SYS:SPPATTERN1EXBASS=Parameter

[GET Command]

@SYS:SPPATTERN1EXBASS=?

Operating & retrieving Extra Bass Setting state for Speaker Pattern1.

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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- **SPPATTERN1SWFRCRSOVR**

[PUT Command]

@SYS:SPPATTERN1SWFRCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1SWFRCRSOVR=?

Operating & retrieving Subwoofer Crossover Frequency Setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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- **DMCCONTROL**

[PUT Command]

@SYS:DMCCONTROL=Parameter

[GET Command]

@SYS:DMCCONTROL=?

Operating & retrieving DMC Control Setting state

Initial Auto Feedback is Available

[Parameters]

Disable

PUT: setting to Disable / GET: indicating its setting at Disable.

Enable

PUT: setting to Enable / GET: indicating its setting at Enable.

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- **YNCAPORT**

[PUT Command]

@SYS:YNCAPORT=Parameter

[GET Command]

@SYS:YNCAPORT=?

Operating & retrieving TCP Port Setting state for YNCA commands.

[Parameters]

Numerical Number: 50000 to 65535, Step: 1

PUT: setting to the specified number. / GET: indicating its setting with the retrieved value. The Default value is 50000.

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- **TRIG1MANUAL**

[PUT Command]

@SYS:TRIG1MANUAL=Parameter

[GET Command]

@SYS:TRIG1MANUAL=?

Operating & retrieving Manual Operating state for Trigger Out 1.

[Parameters]

Lo

PUT: turning its state to Lo / GET: indicating its status at Lo.

Hi

PUT: turning its state to Hi / GET: indicating its status at Hi.

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- **TRIG1TYPE**

[PUT Command]

@SYS:TRIG1TYPE=Parameter

[GET Command]

@SYS:TRIG1TYPE=?

Operating & retrieving Trigger Type Setting state for Trigger Out 1.

[Parameters]

Manual

PUT: setting to Manual / GET: indicating its setting at Manual.

Power

PUT: setting to Power / GET: indicating its setting at Power.

Zone and Input

PUT: setting to Zone and Input / GET: indicating its setting at Zone and Input.

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- **TRIG1ZONE**

[PUT Command]

@SYS:TRIG1ZONE=Parameter

[GET Command]

@SYS:TRIG1ZONE=?

Operating & retrieving Zone Setting state of Trigger Type "Zone and Input" for Trigger Out 1.

[Parameters]

Main Zone

PUT: setting to Main Zone / GET: indicating its setting at Main Zone.

Zone2

PUT: setting to Zone2 / GET: indicating its setting at Zone2.

All

PUT: setting to All / GET: indicating its setting at All.

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- **TRIG1INPSIRIUS**

[PUT Command]

@SYS:TRIG1INPSIRIUS=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUS=?

Operating & retrieving the setting state for Input of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Lo

PUT: setting to Lo / GET: indicating its setting at Lo.

Hi

PUT: setting to Hi / GET: indicating its setting at Hi.

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- **TRIG1INPTUNER**

[PUT Command]

@SYS:TRIG1INPTUNER=Parameter

[GET Command]

@SYS:TRIG1INPTUNER=?

Operating & retrieving the setting state for Input TUNER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPHDMI1**

[PUT Command]

@SYS:TRIG1INPHDMI1=Parameter

[GET Command]

@SYS:TRIG1INPHDMI1=?

Operating & retrieving the setting state for Input HDMI1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPHDMI2**

[PUT Command]

@SYS:TRIG1INPHDMI2=Parameter

[GET Command]

@SYS:TRIG1INPHDMI2=?

Operating & retrieving the setting state for Input HDMI2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPHDMI3**

[PUT Command]

@SYS:TRIG1INPHDMI3=Parameter

[GET Command]

@SYS:TRIG1INPHDMI3=?

Operating & retrieving the setting state for Input HDMI3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPHDMI4**

[PUT Command]

@SYS:TRIG1INPHDMI4=Parameter

[GET Command]

@SYS:TRIG1INPHDMI4=?

Operating & retrieving the setting state for Input HDMI4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPHDMI5**

[PUT Command]

@SYS:TRIG1INPHDMI5=Parameter

[GET Command]

@SYS:TRIG1INPHDMI5=?

Operating & retrieving the setting state for Input HDMI5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV1**

[PUT Command]

@SYS:TRIG1INPAV1=Parameter

[GET Command]

@SYS:TRIG1INPAV1=?

Operating & retrieving the setting state for Input AV1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV2**

[PUT Command]

@SYS:TRIG1INPAV2=Parameter

[GET Command]

@SYS:TRIG1INPAV2=?

Operating & retrieving the setting state for Input AV2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV3**

[PUT Command]

@SYS:TRIG1INPAV3=Parameter

[GET Command]

@SYS:TRIG1INPAV3=?

Operating & retrieving the setting state for Input AV3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV4**

[PUT Command]

@SYS:TRIG1INPAV4=Parameter

[GET Command]

@SYS:TRIG1INPAV4=?

Operating & retrieving the setting state for Input AV4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV5**

[PUT Command]

@SYS:TRIG1INPAV5=Parameter

[GET Command]

@SYS:TRIG1INPAV5=?

Operating & retrieving the setting state for Input AV5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV6**

[PUT Command]

@SYS:TRIG1INPAV6=Parameter

[GET Command]

@SYS:TRIG1INPAV6=?

Operating & retrieving the setting state for Input AV6 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPVAUX**

[PUT Command]

@SYS:TRIG1INPVAUX=Parameter

[GET Command]

@SYS:TRIG1INPVAUX=?

Operating & retrieving the setting state for Input VAUX of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO1**

[PUT Command]

@SYS:TRIG1INPAUDIO1=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO1=?

Operating & retrieving the setting state for Input AUDIO1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO2**

[PUT Command]

@SYS:TRIG1INPAUDIO2=*Parameter*

[GET Command]

@SYS:TRIG1INPAUDIO2=?

Operating & retrieving the setting state for Input AUDIO2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPDOCK**[PUT Command]**

@SYS:TRIG1INPDOCK=*Parameter*

[GET Command]

@SYS:TRIG1INPDOCK=?

Operating & retrieving the setting state for Input DOCK of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPIPOD**[PUT Command]**

@SYS:TRIG1INPIPOD=*Parameter*

[GET Command]

@SYS:TRIG1INPIPOD=?

Operating & retrieving the setting state for Input IPOD of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPBT**[PUT Command]**

@SYS:TRIG1INPBT=*Parameter*

[GET Command]

@SYS:TRIG1INPBT=?

Operating & retrieving the setting state for Input BT of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPUAW**[PUT Command]**

@SYS:TRIG1INPUAW=*Parameter*

[GET Command]

@SYS:TRIG1INPUAW=?

Operating & retrieving the setting state for Input UAW of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPNET**

[PUT Command]

@SYS:TRIG1INPNET=Parameter

[GET Command]

@SYS:TRIG1INPNET=?

Operating & retrieving the setting state for Input NET of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPRHAPSODY**

[PUT Command]

@SYS:TRIG1INPRHAPSODY=Parameter

[GET Command]

@SYS:TRIG1INPRHAPSODY=?

Operating & retrieving the setting state for Input RHAPSODY of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPSIRIUSIR**

[PUT Command]

@SYS:TRIG1INPSIRIUSIR=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUSIR=?

Operating & retrieving the setting state for Input SIRIUSIR of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPPANDORA**

[PUT Command]

@SYS:TRIG1INPPANDORA=Parameter

[GET Command]

@SYS:TRIG1INPPANDORA=?

Operating & retrieving the setting state for Input PANDORA of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPNAPSTER

[PUT Command]

@SYS:TRIG1INPNAPSTER=Parameter

[GET Command]

@SYS:TRIG1INPNAPSTER=?

Operating & retrieving the setting state for Input NAPSTER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPPC

[PUT Command]

@SYS:TRIG1INPPC=Parameter

[GET Command]

@SYS:TRIG1INPPC=?

Operating & retrieving the setting state for Input PC of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPNETRADIO

[PUT Command]

@SYS:TRIG1INPNETRADIO=Parameter

[GET Command]

@SYS:TRIG1INPNETRADIO=?

Operating & retrieving the setting state for Input NETRADIO of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPUSB

[PUT Command]

@SYS:TRIG1INPUSB=Parameter

[GET Command]

@SYS:TRIG1INPUSB=?

Operating & retrieving the setting state for Input USB of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPIPODUSB**

[PUT Command]

@SYS:TRIG1INPIPODUSB=Parameter

[GET Command]

@SYS:TRIG1INPIPODUSB=?

Operating & retrieving the setting state for Input IPODUSB of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **MEMGRD**

[PUT Command]

@SYS:MEMGRD=Parameter

[GET Command]

@SYS:MEMGRD=?

Operating & retrieving Memory Guard Setting state

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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- **REMOTECODE**

[PUT Command]

@SYS:REMOTECODE=Parameter

Operation by specifying IR command codes.

[Parameters]

Character Code: Hex, Fixed 8 characters

PUT Only: 8-digit ASCII (Hex) IR codes are to be specified for its value. See the IR command chart separately provided. [\[Link To the IR Code File\]](#)

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Sub Unit : MAIN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: MAIN

- **AVAIL**

[GET Command]

@MAIN:AVAIL=?

Retrieving the validity of Main Zone operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **ZONENAME**

[PUT Command]

@MAIN:ZONENAME=Parameter

[GET Command]

@MAIN:ZONENAME=?

Setting & retrieving renamed info of Main Zone

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

PUT: setting its name / GET: indicating its name

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• SCENENAME

[GET Command]

@MAIN:SCENENAME=?

Retrieving renamed info of all SCENE presets for Main Zone

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• SCENE1NAME

[GET Command]

@MAIN:SCENE1NAME=?

Retrieving renamed info of SCENE1

[Parameters]

Character Code: Latin-1, Variable Length (0 to 20 characters)

GET Only

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• SCENE2NAME

[GET Command]

@MAIN:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• SCENE3NAME

[GET Command]

@MAIN:SCENE3NAME=?

Retrieving renamed info of SCENE3

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• SCENE4NAME

[GET Command]

@MAIN:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **BASIC**

[GET Command]

@MAIN: BASIC=?

GET Only. Main Zone basic info is retrieved at a time.

Updated by following commands: "@MAIN:PWR", "@MAIN:SLEEP", "@MAIN:VOL", "@MAIN:MUTE", "@MAIN:INP", "@MAIN:STRAIGHT", "@MAIN:ENHANCER" and "@MAIN:SOUNDPRG"

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- **PWR**

[PUT Command]

@MAIN:PWR=*Parameter*

[GET Command]

@MAIN:PWR=?

Operating & retrieving Power state of Main Zone

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@MAIN:SLEEP=*Parameter*

[GET Command]

@MAIN:SLEEP=?

Operating & retrieving Sleep setting state of Main Zone

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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- **VOL**

[PUT Command]

@MAIN:VOL=Parameter

[GET Command]

@MAIN:VOL=?

Operating & retrieving Main Zone Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **MUTE**

[PUT Command]

@MAIN:MUTE=Parameter

[GET Command]

@MAIN:MUTE=?

Operating & retrieving Main Zone muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• MAXVOL

[PUT Command]

@MAIN:MAXVOL=*Parameter*

[GET Command]

@MAIN:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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• INITVOLMODE

[PUT Command]

@MAIN:INITVOLMODE=*Parameter*

[GET Command]

@MAIN:INITVOLMODE=?

Operating & retrieving Initial Volume Mode state of Main Zone

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• INITVOLLVL

[PUT Command]

@MAIN:INITVOLLVL=*Parameter*

[GET Command]

@MAIN:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• INP

[PUT Command]

@MAIN:INP=*Parameter*

[GET Command]

@MAIN:INP=?

Operating & retrieving Main Zone Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

HDMI1

PUT: selecting input HDMI1 / GET: indicating current input is HDMI1

HDMI2

PUT: selecting input HDMI2 / GET: indicating current input is HDMI2

HDMI3

PUT: selecting input HDMI3 / GET: indicating current input is HDMI3

HDMI4

PUT: selecting input HDMI4 / GET: indicating current input is HDMI4

HDMI5

PUT: selecting input HDMI5 / GET: indicating current input is HDMI5

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT Only: selecting input USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• **DECODERSEL**

[PUT Command]

@MAIN:DECODERSEL=Parameter

[GET Command]

@MAIN:DECODERSEL=?

Operating & retrieving Decoder Select setting state

Decoder Select is for selecting an audio decoder specifically.

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Automatically selects audio decoder. Default value.

DTS

PUT: turning its setting state to DTS / GET: indicating DTS setting status.

Audio decoder is fixed to DTS

Unavailable

GET Only: indicating its setting is currently unavailable.

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• **SCENE**

[PUT Command]

@MAIN:SCENE=Parameter

Recalling Main Zone Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

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• **SPBASS**

[PUT Command]

@MAIN:SPBASS=Parameter

[GET Command]

@MAIN:SPBASS=?

Operating & retrieving Bass Tone Control setting state (Effective to speaker output)

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

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• **SPTREBLE**

[PUT Command]

@MAIN:SPTREBLE=Parameter

[GET Command]

@MAIN:SPTREBLE=?

Operating & retrieving Treble Tone Control setting state. (Effective to speaker output)

[Parameters]

Parameters are the same as [SPBASS](#)

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• **PUREDIRMODE**

[PUT Command]

@MAIN:PUREDIRMODE=Parameter

[GET Command]

@MAIN:PUREDIRMODE=?

Operating & retrieving Pure Direct Mode setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **ADAPTIVEDRC**

[PUT Command]

@MAIN:ADAPTIVEDRC=Parameter

[GET Command]

@MAIN:ADAPTIVEDRC=?

Operating & retrieving Adaptive DRC setting state

Adaptive DRC is an automatic Dynamic Range Control feature.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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- **LIPSYNCMODE**

[PUT Command]

@MAIN:LIPSYNCMODE=Parameter

[GET Command]

@MAIN:LIPSYNCMODE=?

Operating & retrieving Lipsync Mode setting state

[Parameters]

Manual

PUT: turning its setting state to Manual / GET: indicating Manual setting status.

About "Manual" setting of Lipsync Mode: When selecting "Manual" here, the audio delay value can be manually set. The effective setting of the audio delay value has some dependencies as follows. In case of using Analog Video Output only (no HDMI connection is active), audio delay value set by "@MAIN:ANLGOUT" command is effective. In case that HDMI OUT1 is in active connection, the value set by "@MAIN:HDMIOUT1MANUAL" command works. Else if HDMI OUT2 is the only one activated, the setting by "@MAIN:HDMIOUT2MANUAL" is enabled.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

About Lipsync Mode "Auto": Basically, Audio Delay value has 5 different settings internally according to "Video Output State (5 Status available)". And the 5 different status of "Video Output State" is determined by the combination of two states of "Display's state of compatibility/incompatibility with Auto Lipsync feature" and "Current effective HDMI output state (on the receiver)", which means 4 status, plus a status of "Analog Video Out only in use", summing up to 5 in total. The "Auto" setting of Lipsync Mode is to dynamically change the Audio Delay value corresponding to a specific status of Video Output State. "Video Output State" can be

retrieved with a command of "@MAIN:SELINFO", and you can set the effective Audio Delay value according to respective Video Output status by these commands as following;

When "@MAIN:SELINFO=Analog": the audio delay can be set by "@MAIN:ANLGOUT" command

When "@MAIN:SELINFO=HDMI1 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1OFFSET" command

When "@MAIN:SELINFO=HDMI1 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1MANUAL" command

When "@MAIN:SELINFO=HDMI2 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2OFFSET" command

When "@MAIN:SELINFO=HDMI2 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2MANUAL" command

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• LIPSYNCANLGOUT

[PUT Command]

@MAIN:LIPSYNCANLGOUT=Parameter

[GET Command]

@MAIN:LIPSYNCANLGOUT=?

Operating & retrieving Audio Delay setting state in case when the Analog Video output is only effective (no HDMI output is in use).

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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• LIPSYNCHDMIOUT1OFFSET

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=?

Operating & retrieving Audio Delay setting state in case when the Display is compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: -250 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT1MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=?

Operating & retrieving Audio Delay setting state in case when the Display is NOT compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT2OFFSET**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1OFFSET](#)

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- **LIPSYNCHDMIOUT2MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1MANUAL](#)

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- **LIPSYNCSSELINFO**

[GET Command]

@MAIN:LIPSYNCSSELINFO=?

Retrieving current Video Output State

[Parameters]

Analog

GET Only: indicating Analog video connection is only available (no HDMI out is in use)

HDMI1 Auto

GET Only: indicating HDMI1 output connection is effective, and the Display is compatible with Auto Lipsync feature.

HDMI1 Manual

GET Only: indicating HDMI1 output connection is effective, and the Display is NOT compatible with Auto Lipsync feature.

HDMI2 Auto

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is compatible with Auto Lipsync feature.

HDMI2 Manual

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is NOT compatible with Auto Lipsync feature.

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• LIPSYNCOFFSETINFO

[GET Command]

@MAIN:LIPSYNCOFFSETINFO=?

Retrieving the Audio Delay Offset value that is reported by the Display compatible with Auto Lipsync feature

[Parameters]

Numerical Number: 0 to 250, Step: 1

GET Only: indicating the current value.

The unit for this parameter is "ms".

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• HDMIOUT

[PUT Command]

@MAIN:HDMIOUT=Parameter

[GET Command]

@MAIN:HDMIOUT=?

Operating & retrieving HDMI Output setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off (output is disabled)/ GET: indicating Off setting status.

OUT

PUT: turning its setting state to OUT (meaning output is enabled) / GET: indicating OUT setting status.

[Back To Index](#)

- **HDMIAUDOUTAMP**

- [PUT Command]**

- @MAIN:HDMIAUDOUTAMP=Parameter*

- [GET Command]**

- @MAIN:HDMIAUDOUTAMP=?*

- Operating & retrieving HDMI Audio Output to Amp (Receiver) setting state

- [Parameters]**

- Off*

- PUT: turning its setting state to Off / GET: indicating Off setting status.

- On*

- PUT: turning its setting state to On / GET: indicating On setting status.

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- **HDMIAUDOUT1**

- [PUT Command]**

- @MAIN:HDMIAUDOUT1=Parameter*

- [GET Command]**

- @MAIN:HDMIAUDOUT1=?*

- Operating & retrieving HDMI Audio Output to HDMI OUT1 setting state

- [Parameters]**

- Parameters are the same as [HDMIAUDOUTAMP](#)*

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- **TVAUDIN1**

- [PUT Command]**

- @MAIN:TVAUDIN1=Parameter*

- [GET Command]**

- @MAIN:TVAUDIN1=?*

- Operating & retrieving TV Audio In: TV1 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT1.

- [Parameters]**

- AV1*

- PUT: turning its setting state to AV1 / GET: indicating AV1 setting status.

- AV2*

- PUT: turning its setting state to AV2 / GET: indicating AV2 setting status.

- AV3*

- PUT: turning its setting state to AV3 / GET: indicating AV3 setting status.

- AV4*

- PUT: turning its setting state to AV4 / GET: indicating AV4 setting status.

- AV5*

PUT: turning its setting state to AV5 / GET: indicating AV5 setting status.

AV6

PUT: turning its setting state to AV6 / GET: indicating AV6 setting status.

AUDIO1

PUT: turning its setting state to AUDIO1 / GET: indicating AUDIO1 setting status.

AUDIO2

PUT: turning its setting state to AUDIO2 / GET: indicating AUDIO2 setting status.

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• **TVAUDIN2**

[PUT Command]

@MAIN:TVAUDIN2=Parameter

[GET Command]

@MAIN:TVAUDIN2=?

Operating & retrieving TV Audio In: TV2 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT2.

[Parameters]

Parameters are the same as [TVAUDIN1](#)

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• **HDMIPROCESSING**

[PUT Command]

@MAIN:HDMIPROCESSING=Parameter

[GET Command]

@MAIN:HDMIPROCESSING=?

Operating & retrieving HDMI Video Processing setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• **HDMIASPECT**

[PUT Command]

@MAIN:HDMIASPECT=Parameter

[GET Command]

@MAIN:HDMIASPECT=?

Operating & retrieving HDMI Video Aspect setting state

[Parameters]

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

16:9 Normal

PUT: turning its setting state to 16:9 Normal / GET: indicating 16:9 Normal setting status.

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• HDMIRESOL

[PUT Command]

@MAIN:HDMIRESOL=Parameter

[GET Command]

@MAIN:HDMIRESOL=?

Operating & retrieving HDMI Video Resolution setting state

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

480p / 576p

PUT: turning its setting state to 480p / 576p / GET: indicating 480p / 576p setting status.

720p

PUT: turning its setting state to 720p / GET: indicating 720p setting status.

1080i

PUT: turning its setting state to 1080i / GET: indicating 1080i setting status.

1080p

PUT: turning its setting state to 1080p / GET: indicating 1080p setting status.

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

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• HPBASS

[PUT Command]

@MAIN:HPBASS=Parameter

[GET Command]

@MAIN:HPBASS=?

Operating & retrieving Bass Tone Control setting state for Headphone

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "dB".

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• HPTREBLE

[PUT Command]

@MAIN:HPTREBLE=Parameter

[GET Command]

@MAIN:HPTREBLE=?

Operating & retrieving Treble Tone Control setting state for Headphone

[Parameters]

Parameters are the same as [HPBASS](#)

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• STRAIGHT

[PUT Command]

@MAIN:STRAIGHT=Parameter

[GET Command]

@MAIN:STRAIGHT=?

Operating & retrieving STRAIGHT setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• ENHANCER

[PUT Command]

@MAIN:ENHANCER=Parameter

[GET Command]

@MAIN:ENHANCER=?

Operating & retrieving ENHANCER setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• SOUNDPRG

[PUT Command]

@MAIN:SOUNDPRG=Parameter

[GET Command]

@MAIN:SOUNDPRG=?

Operating & retrieving DSP SOUND PROGRAM setting state

Initial Auto Feedback is Available

[Parameters]

Hall in Munich

PUT: turning its setting state to Hall in Munich / GET: indicating Hall in Munich setting status.

Hall in Vienna

PUT: turning its setting state to Hall in Vienna / GET: indicating Hall in Vienna setting status.

Chamber

PUT: turning its setting state to Chamber / GET: indicating Chamber setting status.

Cellar Club

PUT: turning its setting state to Cellar Club / GET: indicating Cellar Club setting status.

The Roxy Theatre

PUT: turning its setting state to The Roxy Theatre / GET: indicating The Roxy Theatre setting status.

The Bottom Line

PUT: turning its setting state to The Bottom Line / GET: indicating The Bottom Line setting status.

Sports

PUT: turning its setting state to Sports / GET: indicating Sports setting status.

Action Game

PUT: turning its setting state to Action Game / GET: indicating Action Game setting status.

Roleplaying Game

PUT: turning its setting state to Roleplaying Game / GET: indicating Roleplaying Game setting status.

Music Video

PUT: turning its setting state to Music Video / GET: indicating Music Video setting status.

Standard

PUT: turning its setting state to Standard / GET: indicating Standard setting status.

Spectacle

PUT: turning its setting state to Spectacle / GET: indicating Spectacle setting status.

Sci-Fi

PUT: turning its setting state to Sci-Fi / GET: indicating Sci-Fi setting status.

Adventure

PUT: turning its setting state to Adventure / GET: indicating Adventure setting status.

Drama

PUT: turning its setting state to Drama / GET: indicating Drama setting status.

Mono Movie

PUT: turning its setting state to Mono Movie / GET: indicating Mono Movie setting status.

2ch Stereo

PUT: turning its setting state to 2ch Stereo / GET: indicating 2ch Stereo setting status.

7ch Stereo

PUT: turning its setting state to 7ch Stereo / GET: indicating 7ch Stereo setting status.

Surround Decoder

PUT: turning its setting state to Surround Decoder / GET: indicating Surround Decoder setting status.

- **ADAPTIVEDSP**

[PUT Command]

@MAIN:ADAPTIVEDSP=Parameter

[GET Command]

@MAIN:ADAPTIVEDSP=?

Operating & retrieving Adaptive DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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- **3DCINEMA**

[PUT Command]

@MAIN:3DCINEMA=Parameter

[GET Command]

@MAIN:3DCINEMA=?

Operating & retrieving 3D DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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- **EXSURDECODER**

[PUT Command]

@MAIN:EXSURDECODER=Parameter

[GET Command]

@MAIN:EXSURDECODER=?

Operating & retrieving Extended Surround setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

EX/ES

PUT: turning its setting state to EX/ES / GET: indicating EX/ES setting status.

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• 2CHDECODER

[PUT Command]

@MAIN:2CHDECODER=Parameter

[GET Command]

@MAIN:2CHDECODER=?

Operating & retrieving Surround Decoder setting state for 2ch audio signal

It changes to PLII or PLIIx automatically depending on other settings or status.

[Parameters]

Dolby PL

Dolby PLII Movie

PUT: turning its setting state to Dolby PLII Movie / GET: indicating Dolby PLII Movie setting status.

Dolby PLII Music

PUT: turning its setting state to Dolby PLII Music / GET: indicating Dolby PLII Music setting status.

Dolby PLII Game

PUT: turning its setting state to Dolby PLII Game / GET: indicating Dolby PLII Game setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

Dolby PLIIx Game

PUT: turning its setting state to Dolby PLIIx Game / GET: indicating Dolby PLIIx Game setting status.

DTS NEO:6 Cinema

PUT: turning its setting state to DTS NEO:6 Cinema / GET: indicating DTS NEO:6 Cinema setting status.

DTS NEO:6 Music

PUT: turning its setting state to DTS NEO:6 Music / GET: indicating DTS NEO:6 Music setting status.

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• PLAYBACK

[PUT Command]

@MAIN:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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- **LISTCURSOR**

- [PUT Command]**

- @MAIN:LISTCURSOR=Parameter*

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Left*

- Right*

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTMENU**

- [PUT Command]**

- @MAIN:LISTMENU=Parameter*

- [Parameters]**

- On Screen*

- Top Menu*

- Menu*

- Option*

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Sub Unit : ZONE2

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date:: \$

\$Revision: \$

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3. Input

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4. Information

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5. Play Control

PLAYBACK

6. Others

AVAIL
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Command Details of SubUnit: ZONE2

- AVAIL

[GET Command]

@ZONE2:AVAIL=?

Retrieving the validity of Zone 2 operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

- **ZONENAME**

[PUT Command]

@ZONE2:ZONENAME=Parameter

[GET Command]

@ZONE2:ZONENAME=?

Setting & retrieving renamed info of Zone 2

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

PUT: setting its name / GET: indicating its name

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- **BASIC**

[GET Command]

@ZONE2:BASIC=?

GET Only. Zone 2 basic info is retrieved at a time.

Updated by following commands: "@ZONE2:PWR", "@ZONE2:SLEEP", "@ZONE2:VOL", "@ZONE2:MUTE", and "@ZONE2:INP"

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- **PWR**

[PUT Command]

@ZONE2:PWR=Parameter

[GET Command]

@ZONE2:PWR=?

Operating & retrieving Power state of Zone 2

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@ZONE2:SLEEP=Parameter

[GET Command]

@ZONE2:SLEEP=?

Operating & retrieving Sleep setting state of Zone 2

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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• VOL

[PUT Command]

@ZONE2:VOL=*Parameter*

[GET Command]

@ZONE2:VOL=?

Operating & retrieving Zone 2 Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@ZONE2:MUTE=Parameter

[GET Command]

@ZONE2:MUTE=?

Operating & retrieving Zone 2 muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• MAXVOL

[PUT Command]

@ZONE2:MAXVOL=Parameter

[GET Command]

@ZONE2:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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- **INITVOLMODE**

[PUT Command]

@ZONE2:INITVOLMODE=*Parameter*

[GET Command]

@ZONE2:INITVOLMODE=?

Operating & retrieving Initial Volume Mode setting state of Zone 2

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@ZONE2:INITVOLLVL=*Parameter*

[GET Command]

@ZONE2:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **INP**

[PUT Command]

@ZONE2:INP=*Parameter*

[GET Command]

@ZONE2:INP=?

Operating & retrieving Zone 2 Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT: selecting input USB / GET: indicating current input is USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• **PLAYBACK**

[PUT Command]

@ZONE2:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : TUN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: TUN

• AVAIL

[GET Command]

@TUN:AVAIL=?

Retrieving the validity of Tuner operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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• SEARCHMODE

[PUT Command]

@TUN:SEARCHMODE=Parameter

[GET Command]

@TUN:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

Tuning

PUT: selecting Tuning search mode / GET: indicating current search mode is Tuning

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• PRESET

[PUT Command]

@TUN:PRESET=Parameter

[GET Command]

@TUN:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available preset number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available preset number to the current one in the way of smaller number to larger.

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• MEM

[PUT Command]

@TUN:MEM=Parameter

Registering current frequency to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **FMFREQ**

[PUT Command]

@TUN:FMFREQ=Parameter

[GET Command]

@TUN:FMFREQ=?

Operating & retrieving FM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no FM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 87.50 to 107.90, Step: 0.20

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "MHz".

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- **AMFREQ**

[PUT Command]

@TUN:AMFREQ=Parameter

[GET Command]

@TUN:AMFREQ=?

Operating & retrieving AM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no AM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 530 to 1710, Step: 10

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "kHz".

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• BAND

[PUT Command]

@TUN:BAND=Parameter

[GET Command]

@TUN:BAND=?

Operating & retrieving the Frequency Band type

Initial Auto Feedback is Available

[Parameters]

FM

PUT: selecting FM / GET: indicating current band type is FM

AM

PUT: selecting AM / GET: indicating current band type is AM

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• FM MODE

[PUT Command]

@TUN:FM MODE=Parameter

[GET Command]

@TUN:FM MODE=?

Operating & retrieving FM playback mode

Initial Auto Feedback is Available

[Parameters]

Auto

PUT: selecting Auto mode. / GET: indicating Auto mode

This is a mode that automatically mutes the sound when no stereo reception is available.

Mono

PUT: selecting Mono mode. / GET: indicating Mono mode

This is a mode to force the reception to be monaural (used when the reception is weak and easily gets muted).

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• **SIGINFO**

[GET Command]

@TUN:SIGINFO=?

GET Only. Tuner signal status can be retrieved at a time.

Updated by following commands: "@TUN:TUNED" and "@TUN:SIGSTEREOMONO"

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• **TUNED**

[GET Command]

@TUN:TUNED=?

Retrieving the tuning status

Initial Auto Feedback is Available

[Parameters]

Negate

GET Only: indicating untuned status

Assert

GET Only: indicating tuned to a station

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• **SIGSTEREOMONO**

[GET Command]

@TUN:SIGSTEREOMONO=?

Retrieving whether the playback signal is mono or stereo.

Initial Auto Feedback is Available

Negate means now playing monaural signal or not tuned. Assert means now playing Stereo signal.

[Parameters]

*Parameters are the same as **TUNED***

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Sub Unit : SIRIUS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date: \$

\$Revision: \$

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COMPOSER

PLOCK

Command Details of SubUnit: SIRIUS

- **AVAIL**

[GET Command]

@SIRIUS:AVAIL=?

Retrieving the connection state of SiriusConnect tuner (adapter) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the adapter is not connected.

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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- **SEARCHMODE**

[PUT Command]

@SIRIUS:SEARCHMODE=Parameter

[GET Command]

@SIRIUS:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

All Ch

PUT: selecting All Ch search mode / GET: indicating current search mode is All Ch

Category

PUT: selecting Category search mode / GET: indicating current search mode is Category

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

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- **PRESET**

[PUT Command]

@SIRIUS:PRESET=Parameter

[GET Command]

@SIRIUS:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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- **MEM**

[PUT Command]

@SIRIUS:MEM=*Parameter*

Registering current channel to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• CATSEL

[PUT Command]

@SIRIUS:CATSEL=*Parameter*

Operating Category selection.

[Parameters]

Down

PUT Only: selecting in the reverse order

Up

PUT Only: selecting in order

[Back To Index](#)

• CHSEL

[PUT Command]

@SIRIUS:CHSEL=*Parameter*

[GET Command]

@SIRIUS:CHSEL=?

Operating & retrieving Channel Number selection

[Parameters]

Numerical Number: 0 to 223, Step: 1

PUT: changing to the specified number. / GET: indicating current selection

255

PUT: doing nothing / GET: indicating "not connected to the adapter" or "no station is received"

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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• SIGINFO

[GET Command]

@SIRIUS:SIGINFO=?

GET Only. Signal status can be retrieved at a time.

Updated by following command: "@SIRIUS:ANTLVL" only

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- **ANTLVL**

[GET Command]

@SIRIUS:ANTLVL=?

Retrieving the signal strength state at the antenna.

Initial Auto Feedback is Available

[Parameters]

No Signal

GET Only: indicating its status is No Signal

Weak

GET Only: indicating its status is Weak

Good

GET Only: indicating its status is Good

Excellent

GET Only: indicating its status is Excellent

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- **METAINFO**

[GET Command]

@SIRIUS:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@SIRIUS:CATNAME", "@SIRIUS:CHNUM", "@SIRIUS:CHNAME", "@SIRIUS:ARTIST", "@SIRIUS:SONG" and "@SIRIUS:COMPOSER"

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- **CATNAME**

[GET Command]

@SIRIUS:CATNAME=?

Retrieving Category Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Latin-1, Variable Length (0 to 16 characters)

GET Only

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- **CHNUM**

[GET Command]

@SIRIUS:CHNUM=?

Retrieving Channel Number

Initial Auto Feedback is Available

[Parameters]

Numerical Number: 0 to 255, Step: 1

GET Only

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• CHNAME

[GET Command]

@SIRIUS:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ARTIST

[GET Command]

@SIRIUS:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• SONG

[GET Command]

@SIRIUS:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• COMPOSER

[GET Command]

@SIRIUS:COMPOSER=?

Retrieving Composer Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **PLOCK**

[GET Command]

@SIRIUS:PLOCK=?

Retrieving the state of Parental Lock

Initial Auto Feedback is Available

[Parameters]

Locked

GET Only: indicating its status is Locked

Unlocked

GET Only: indicating its status is Unlocked

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Sub Unit : IPOD

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date: \$

\$Revision: \$

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MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

ARTIST

Command Details of SubUnit: IPOD

- **AVAIL**

[GET Command]

@IPOD:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPOD:MODE=Parameter

[GET Command]

@IPOD:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPOD:REPEAT=Parameter

[GET Command]

@IPOD:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPOD:SHUFFLE=Parameter

[GET Command]

@IPOD:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPOD:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPOD:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPOD:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPOD:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPOD:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPOD:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPOD:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

[PUT Command]

@IPOD:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTPAGE**

[PUT Command]

@IPOD:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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- **LISTINFO**

[GET Command]

@IPOD:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPOD:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPOD:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPOD:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPOD:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPOD:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPOD:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPOD:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPOD:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPOD:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@IPOD:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@IPOD:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPOD:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : BT

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date:: \$

\$Revision: \$

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3. Others

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Command Details of SubUnit: BT

• AVAIL

[GET Command]

@BT:AVAIL=?

Retrieving the connection state of Bluetooth (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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• PAIRING

[PUT Command]

@BT:PAIRING=Parameter

Operating the setting state of Pariring

[Parameters]

Start

PUT Only: changing its state to Start

Cancel

PUT Only: changing its state to Cancel

[Back To Index](#)

- **CONNECT**

- [PUT Command]**

- @BT:CONNECT=Parameter*

- Operating the connection state

- [Parameters]**

- Disconnect*

- PUT Only: changing its state to Disconnect

- Connect*

- PUT Only: changing its state to Connect

[Back To Index](#)

- **CONNECTINFO**

- [GET Command]**

- @BT:CONNECTINFO=?*

- [Parameters]**

- Disconnected*

- Connected*

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- **PLAYBACK**

- [PUT Command]**

- @BT:PLAYBACK=Parameter*

- Operating the playback state

- [Parameters]**

- Stop*

- PUT Only: change its state to Stop

- Pause*

- PUT Only: change its state to Pause

- Play*

- PUT Only: change its state to Play

- |<<*

- PUT Only: change its state to |<<

- meaning Skip Rev

- >>|*

- PUT Only: change its state to >>|

- meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : UAW

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date:: \$

\$Revision: \$

Command Index

1. Others

[AVAIL](#)

Command Details of SubUnit: UAW

- **AVAIL**

[GET Command]

@UAW:AVAIL=?

Retrieving the connection state of UAW (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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Sub Unit : RHAP

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date: \$

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LINE7ATTRIB

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: RHAP

- **AVAIL**

[GET Command]

@RHAP:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@RHAP:REPEAT=Parameter

[GET Command]

@RHAP:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@RHAP:SHUFFLE=Parameter

[GET Command]

@RHAP:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@RHAP:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@RHAP:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@RHAP:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@RHAP:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@RHAP:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@RHAP:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@RHAP:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@RHAP:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@RHAP:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @RHAP:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @RHAP:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @RHAP:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@RHAP:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@RHAP:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@RHAP:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@RHAP:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

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- **LINE2TXT**

[GET Command]

@RHAP:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@RHAP:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@RHAP:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@RHAP:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@RHAP:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@RHAP:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

[Back To Index](#)

- **LINE6TXT**

[GET Command]

@RHAP:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@RHAP:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

[Back To Index](#)

- **LINE7TXT**

[GET Command]

@RHAP:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@RHAP:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@RHAP:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@RHAP:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@RHAP:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@RHAP:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : SIRIUSIR

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

CHNAME

ARTIST

Command Details of SubUnit: SIRIUSIR

- **AVAIL**

[GET Command]

@SIRIUSIR:AVAIL=?

Retrieving the state of network link or the validity of SIRIUS Internet Radio operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@SIRIUSIR:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@SIRIUSIR:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@SIRIUSIR:PLAYBACK=*Parameter*

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• PLAYBACKINFO

[GET Command]

@SIRIUSIR:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• METAINFO

[GET Command]

@SIRIUSIR:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:CHNAME", "@XXXX:ARTIST" and "@XXXX:SONG" (XXXX = SubUnit name)

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• CHNAME

[GET Command]

@SIRIUSIR:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ARTIST**

[GET Command]

@SIRIUSIR:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **SONG**

[GET Command]

@SIRIUSIR:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **LISTSEL**

[PUT Command]

@SIRIUSIR:LISTSEL=*Parameter*

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @SIRIUSIR:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @SIRIUSIR:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @SIRIUSIR:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @SIRIUSIR:LISTLAYER=?*

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• **LISTLAYERNAME**

[GET Command]

@SIRIUSIR:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@SIRIUSIR:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@SIRIUSIR:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@SIRIUSIR:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATTRIB**

[GET Command]

@SIRIUSIR:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE3TXT**

[GET Command]

@SIRIUSIR:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATTRIB**

[GET Command]

@SIRIUSIR:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE4TXT**

[GET Command]

@SIRIUSIR:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATTRIB**

[GET Command]

@SIRIUSIR:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE5TXT**

[GET Command]

@SIRIUSIR:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@SIRIUSIR:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@SIRIUSIR:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@SIRIUSIR:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@SIRIUSIR:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@SIRIUSIR:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@SIRIUSIR:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@SIRIUSIR:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@SIRIUSIR:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@SIRIUSIR:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PANDORA

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

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LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

BOOKMARK

FEEDBACK

Command Details of SubUnit: PANDORA

- **AVAIL**

[GET Command]

@PANDORA:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@PANDORA:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@PANDORA:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@PANDORA:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Fwd

PUT Only: change its state to Skip Fwd

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- **BOOKMARK**

[PUT Command]

@PANDORA:BOOKMARK=Parameter

[Parameters]

Song

Artist

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- **FEEDBACK**

[PUT Command]

@PANDORA:FEEDBACK=Parameter

[GET Command]

@PANDORA:FEEDBACK=?

Operating & retrieving thumbs up/down state

[Parameters]

GET Only

Thumb Down

PUT: change its state to Thumb Down / GET: indicating its state is Thumb Down

Thumb Up

PUT: change its state to Thumb Up / GET: indicating its state is Thumb Up

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- **PLAYBACKINFO**

- [GET Command]**

- @PANDORA:PLAYBACKINFO=?

- Retrieving the playback state

- Initial Auto Feedback is Available

- [Parameters]**

- Stop*

- GET Only: indicating its state is Stop

- Pause*

- GET Only: indicating its state is Pause

- Play*

- GET Only: indicating its state is Play

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- **METAINFO**

- [GET Command]**

- @PANDORA:METAINFO=?

- GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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- **SONG**

- [GET Command]**

- @PANDORA:SONG=?

- Retrieving Artist Name

- Initial Auto Feedback is Available

- [Parameters]**

- Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)*

- GET Only

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- **ALBUM**

- [GET Command]**

- @PANDORA:ALBUM=?

- Retrieving Album Title

- Initial Auto Feedback is Available

- [Parameters]**

- Parameters are the same as [SONG](#)*

- **STATION**

[GET Command]

@PANDORA:STATION=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [SONG](#)

- **LISTSEL**

[PUT Command]

@PANDORA:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

- **LISTCURSOR**

[PUT Command]

@PANDORA:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTPAGE**

- [PUT Command]**

- @PANDORA:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PANDORA:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @PANDORA:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

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- **LISTLAYERNAME**

- [GET Command]**

@PANDORA:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@PANDORA:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@PANDORA:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@PANDORA:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATRIB**

[GET Command]

@PANDORA:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATRIB**

[GET Command]

@PANDORA:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATRIB**

[GET Command]

@PANDORA:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATRIB**

[GET Command]

@PANDORA:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@PANDORA:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@PANDORA:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@PANDORA:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@PANDORA:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@PANDORA:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@PANDORA:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@PANDORA:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PANDORA:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NAPSTER

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date:: \$

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LINE6ATTRIB

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LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: NAPSTER

- **AVAIL**

[GET Command]

@NAPSTER:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@NAPSTER:REPEAT=Parameter

[GET Command]

@NAPSTER:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@NAPSTER:SHUFFLE=Parameter

[GET Command]

@NAPSTER:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@NAPSTER:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@NAPSTER:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@NAPSTER:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

/<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@NAPSTER:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NAPSTER:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@NAPSTER:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

- **ALBUM**

[GET Command]

@NAPSTER:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **LISTSEL**

[PUT Command]

@NAPSTER:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

- **LISTCURSOR**

[PUT Command]

@NAPSTER:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

- **LISTPAGE**

[PUT Command]

@NAPSTER:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

- **LISTINFO**

[GET Command]

@NAPSTER:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@NAPSTER:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NAPSTER:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@NAPSTER:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@NAPSTER:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

- **LINE2TXT**

[GET Command]

@NAPSTER:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@NAPSTER:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NAPSTER:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NAPSTER:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@NAPSTER:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@NAPSTER:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@NAPSTER:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@NAPSTER:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@NAPSTER:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@NAPSTER:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NAPSTER:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PC

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: PC

- **AVAIL**

[GET Command]

@PC:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@PC:REPEAT=Parameter

[GET Command]

@PC:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@PC:SHUFFLE=Parameter

[GET Command]

@PC:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@PC:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@PC:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@PC:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@PC:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@PC:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@PC:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@PC:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@PC:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@PC:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 8

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @PC:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @PC:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PC:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@PC:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@PC:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@PC:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@PC:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@PC:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@PC:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@PC:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@PC:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@PC:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@PC:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

- **LINE5TXT**

[GET Command]

@PC:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@PC:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@PC:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@PC:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@PC:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@PC:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@PC:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@PC:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@PC:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PC:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NETRADIO

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE6ATTRIB

LINE7TXT

LINE7ATTRIB

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

STATION

BOOKMARK

Command Details of SubUnit: NETRADIO

- **AVAIL**

[GET Command]

@NETRADIO:AVAIL=?

Retrieving the state of network link or the validity of NET RADIO operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@NETRADIO:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@NETRADIO:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@NETRADIO:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• **PLAYBACKINFO**

[GET Command]

@NETRADIO:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NETRADIO:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:STATION" Only (XXXX = SubUnit name)

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• **STATION**

[GET Command]

@NETRADIO:STATION=?

Retrieving Station Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LISTSEL**

[PUT Command]

@NETRADIO:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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• **LISTCURSOR**

[PUT Command]

@NETRADIO:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTPAGE**

[PUT Command]

@NETRADIO:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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• BOOKMARK

[PUT Command]

@NETRADIO:BOOKMARK=Parameter

Operating the Bookmark

[Parameters]

Off

PUT Only: Bookmark Off the current playback station

On

PUT Only: Bookmark On the current playback station

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• LISTINFO

[GET Command]

@NETRADIO:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@NETRADIO:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@NETRADIO:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• LINE2TXT

[GET Command]

@NETRADIO:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• LINE2ATRIB

[GET Command]

@NETRADIO:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NETRADIO:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NETRADIO:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NETRADIO:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NETRADIO:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NETRADIO:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@NETRADIO:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

- [GET Command]**

- @NETRADIO:LINE6TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE6ATRIB**

- [GET Command]**

- @NETRADIO:LINE6ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE7TXT**

- [GET Command]**

- @NETRADIO:LINE7TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE7ATRIB**

- [GET Command]**

- @NETRADIO:LINE7ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE8TXT**

- [GET Command]**

- @NETRADIO:LINE8TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE8ATRIB**

- [GET Command]**

- @NETRADIO:LINE8ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **CURRLINE**

- [GET Command]**

@NETRADIO:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NETRADIO:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : USB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE7TXT

LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: USB

- **AVAIL**

[GET Command]

@USB:AVAIL=?

Retrieving the connection state of USB (device) or the validity of USB operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@USB:REPEAT=Parameter

[GET Command]

@USB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@USB:SHUFFLE=Parameter

[GET Command]

@USB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@USB:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@USB:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@USB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@USB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@USB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@USB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ALBUM**

[GET Command]

@USB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@USB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@USB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @USB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @USB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @USB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available*

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- **LISTLAYER**

- [GET Command]**

- @USB:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

- **LISTLAYERNAME**

[GET Command]

@USB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

- **LINE1TXT**

[GET Command]

@USB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

- **LINE1ATRIB**

[GET Command]

@USB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

- **LINE2TXT**

[GET Command]

@USB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE2ATRIB**

[GET Command]

@USB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@USB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@USB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **CURRLINE**

[GET Command]

@USB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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• **MAXLINE**

[GET Command]

@USB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : IPODUSB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A710

Product Region: USA

\$Date: \$

\$Revision: \$

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4. Others

AVAIL

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SHUFFLE

ARTIST

Command Details of SubUnit: IPODUSB

- **AVAIL**

[GET Command]

@IPODUSB:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPODUSB:MODE=Parameter

[GET Command]

@IPODUSB:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPODUSB:REPEAT=Parameter

[GET Command]

@IPODUSB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPODUSB:SHUFFLE=Parameter

[GET Command]

@IPODUSB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPODUSB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPODUSB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPODUSB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPODUSB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPODUSB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPODUSB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPODUSB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPODUSB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPODUSB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPODUSB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPODUSB:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPODUSB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPODUSB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPODUSB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPODUSB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPODUSB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPODUSB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPODUSB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPODUSB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPODUSB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPODUSB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPODUSB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPODUSB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPODUSB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPODUSB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@IPODUSB:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@IPODUSB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPODUSB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : SYS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date: \$

\$Revision: \$

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TRIG1MANUAL
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TRIG1ZONE
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Command Details of SubUnit: SYS

- **MODELNAME**

[GET Command]

@SYS:MODELNAME=?

Retrieving Model Name

[Parameters]

Character Code: Ascii, Variable Length (1 to 16 characters)

GET Only

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• VERSION

[GET Command]

@SYS:VERSION=?

Retrieving the version of software.

[Parameters]

Character Code: Ascii, Fixed 9 characters

GET Only

Value string is in a format of "x.xx/y.yy"; x.xx = System Version, y.yy = Command Protocol Version.

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• INPNAME

[GET Command]

@SYS:INPNAME=?

Retrieving each input's renamed info at a time.

Each response command forms like @SYS:INPNAMExxxx=XXXX (xxxx: Default Input Name, XXXX: Renamed Info)

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• INPNAMEHDMI1

[GET Command]

@SYS:INPNAMEHDMI1=?

Retrieving renamed info of HDMI1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEHDMI2

[GET Command]

@SYS:INPNAMEHDMI2=?

Retrieving renamed info of HDMI2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEHDMI3

[GET Command]

@SYS:INPNAMEHDMI3=?

Retrieving renamed info of HDMI3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEHDMI4**

[GET Command]

@SYS:INPNAMEHDMI4=?

Retrieving renamed info of HDMI4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEHDMI5**

[GET Command]

@SYS:INPNAMEHDMI5=?

Retrieving renamed info of HDMI5

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEHDMI6**

[GET Command]

@SYS:INPNAMEHDMI6=?

Retrieving renamed info of HDMI6

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEHDMI7**

[GET Command]

@SYS:INPNAMEHDMI7=?

Retrieving renamed info of HDMI7

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEAV1**

[GET Command]

@SYS:INPNAMEAV1=?

Retrieving renamed info of AV1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV2**

[GET Command]

@SYS:INPNAMEAV2=?

Retrieving renamed info of AV2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV3**

[GET Command]

@SYS:INPNAMEAV3=?

Retrieving renamed info of AV3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV4**

[GET Command]

@SYS:INPNAMEAV4=?

Retrieving renamed info of AV4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV5**

[GET Command]

@SYS:INPNAMEAV5=?

Retrieving renamed info of AV5

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV6**

[GET Command]

@SYS:INPNAMEAV6=?

Retrieving renamed info of AV6

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEVAUX**

[GET Command]

@SYS:INPNAMEVAUX=?

Retrieving renamed info of VAUX

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAUDIO1**

[GET Command]

@SYS:INPNAMEAUDIO1=?

Retrieving renamed info of AUDIO1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAUDIO2**

[GET Command]

@SYS:INPNAMEAUDIO2=?

Retrieving renamed info of AUDIO2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEDOCK**

[GET Command]

@SYS:INPNAMEDOCK=?

Retrieving renamed info of DOCK

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEUSB**

[GET Command]

@SYS:INPNAMEUSB=?

Retrieving renamed info of USB

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **PWR**

[PUT Command]

@SYS:PWR=*Parameter*

[GET Command]

@SYS:PWR=?

Operating & retrieving All Zones power state.

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

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• PARTY

[PUT Command]

@SYS:PARTY=*Parameter*

[GET Command]

@SYS:PARTY=?

Operating & retrieving Party Mode state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

On

PUT: turning its state to On / GET: indicating On status.

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• PARTYVOL

[PUT Command]

@SYS:PARTYVOL=*Parameter*

Operating Party Mode Volume

[Parameters]

Down

PUT Only: decrementing the volume by 1 step

Up

PUT Only: incrementing the volume by 1 step

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• PARTYMUTE

[PUT Command]

@SYS:PARTYMUTE=*Parameter*

Operating Party Mode Muting state

[Parameters]

Off

PUT Only: un-muting Party Mode

On

PUT Only: muting Party Mode

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- **VIDANLGCONV**

[PUT Command]

@SYS:VIDANLGCONV=Parameter

[GET Command]

@SYS:VIDANLGCONV=?

Operating & retrieving Analog Video Conversion setting state.

[Parameters]

Off

PUT: setting to Off / GET: indicating Off status.

On

PUT: setting to On / GET: indicating On status.

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- **SPPATTERN1AMP**

[PUT Command]

@SYS:SPPATTERN1AMP=Parameter

[GET Command]

@SYS:SPPATTERN1AMP=?

Operating & retrieving Amp Assign setting state for Speaker Pattern1.

[Parameters]

Basic

PUT: setting to Basic / GET: indicating its setting at Basic.

7ch +1ZONE

PUT: setting to 7ch +1ZONE / GET: indicating its setting at 7ch +1ZONE.

5ch BI-AMP

PUT: setting to 5ch BI-AMP / GET: indicating its setting at 5ch BI-AMP.

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- **SPPATTERN1FRNTCNFG**

[PUT Command]

@SYS:SPPATTERN1FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTCNFG=?

Operating & retrieving Front Ch Configuration setting state for Speaker Pattern1.

[Parameters]

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1CENTCNFG**

[PUT Command]

@SYS:SPPATTERN1CENTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1CENTCNFG=?

Operating & retrieving Center Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1SURCNFG**

[PUT Command]

@SYS:SPPATTERN1SURCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURCNFG=?

Operating & retrieving Surround Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1SURBCNFG**

[PUT Command]

@SYS:SPPATTERN1SURBCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURBCNFG=?

Operating & retrieving Surround Back Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small x1

PUT: setting to Small x1 / GET: indicating its setting at Small x1.

Large x1

PUT: setting to Large x1 / GET: indicating its setting at Large x1.

Small x2

PUT: setting to Small x2 / GET: indicating its setting at Small x2.

Large x2

PUT: setting to Large x2 / GET: indicating its setting at Large x2.

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• **SPPATTERN1FRNTPRES**

[PUT Command]

@SYS:SPPATTERN1FRNTPRES=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTPRES=?

Operating & retrieving Front Presence Ch setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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• **SPPATTERN1SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN1SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1CNFG=?

Operating & retrieving Subwoofer1 Configuration state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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• **SPPATTERN1SWFR1PHASE**

[PUT Command]

@SYS:SPPATTERN1SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1PHASE=?

Operating & retrieving Subwoofer1 Phase setting state for Speaker Pattern1.

[Parameters]

Normal

PUT: setting to Normal / GET: indicating its setting at Normal.

Reverse

PUT: setting to Reverse / GET: indicating its setting at Reverse.

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• SPPATTERN1EXBASS

[PUT Command]

@SYS:SPPATTERN1EXBASS=*Parameter*

[GET Command]

@SYS:SPPATTERN1EXBASS=?

Operating & retrieving Extra Bass Setting state for Speaker Pattern1.

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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• SPPATTERN1SWFRCRSOVR

[PUT Command]

@SYS:SPPATTERN1SWFRCRSOVR=*Parameter*

[GET Command]

@SYS:SPPATTERN1SWFRCRSOVR=?

Operating & retrieving Subwoofer Crossover Frequency Setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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• DMCCONTROL

[PUT Command]

@SYS:DMCCONTROL=Parameter

[GET Command]

@SYS:DMCCONTROL=?

Operating & retrieving DMC Control Setting state

Initial Auto Feedback is Available

[Parameters]

Disable

PUT: setting to Disable / GET: indicating its setting at Disable.

Enable

PUT: setting to Enable / GET: indicating its setting at Enable.

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• YNCAPORT

[PUT Command]

@SYS:YNCAPORT=Parameter

[GET Command]

@SYS:YNCAPORT=?

Operating & retrieving TCP Port Setting state for YNCA commands.

[Parameters]

Numerical Number: 50000 to 65535, Step: 1

PUT: setting to the specified number. / GET: indicating its setting with the retrieved value. The Default value is 50000.

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• TRIG1MANUAL

[PUT Command]

@SYS:TRIG1MANUAL=Parameter

[GET Command]

@SYS:TRIG1MANUAL=?

Operating & retrieving Manual Operating state for Trigger Out 1.

[Parameters]

Lo

PUT: turning its state to Lo / GET: indicating its status at Lo.

Hi

PUT: turning its state to Hi / GET: indicating its status at Hi.

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- **TRIG1TYPE**

[PUT Command]

@SYS:TRIG1TYPE=Parameter

[GET Command]

@SYS:TRIG1TYPE=?

Operating & retrieving Trigger Type Setting state for Trigger Out 1.

[Parameters]

Manual

PUT: setting to Manual / GET: indicating its setting at Manual.

Power

PUT: setting to Power / GET: indicating its setting at Power.

Zone and Input

PUT: setting to Zone and Input / GET: indicating its setting at Zone and Input.

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- **TRIG1ZONE**

[PUT Command]

@SYS:TRIG1ZONE=Parameter

[GET Command]

@SYS:TRIG1ZONE=?

Operating & retrieving Zone Setting state of Trigger Type "Zone and Input" for Trigger Out 1.

[Parameters]

Main Zone

PUT: setting to Main Zone / GET: indicating its setting at Main Zone.

Zone2

PUT: setting to Zone2 / GET: indicating its setting at Zone2.

All

PUT: setting to All / GET: indicating its setting at All.

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- **TRIG1INPSIRIUS**

[PUT Command]

@SYS:TRIG1INPSIRIUS=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUS=?

Operating & retrieving the setting state for Input of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Lo

PUT: setting to Lo / GET: indicating its setting at Lo.

Hi

PUT: setting to Hi / GET: indicating its setting at Hi.

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• TRIG1INPTUNER

[PUT Command]

@SYS:TRIG1INPTUNER=Parameter

[GET Command]

@SYS:TRIG1INPTUNER=?

Operating & retrieving the setting state for Input TUNER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI1

[PUT Command]

@SYS:TRIG1INPHDMI1=Parameter

[GET Command]

@SYS:TRIG1INPHDMI1=?

Operating & retrieving the setting state for Input HDMI1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI2

[PUT Command]

@SYS:TRIG1INPHDMI2=Parameter

[GET Command]

@SYS:TRIG1INPHDMI2=?

Operating & retrieving the setting state for Input HDMI2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI3

[PUT Command]

@SYS:TRIG1INPHDMI3=Parameter

[GET Command]

@SYS:TRIG1INPHDMI3=?

Operating & retrieving the setting state for Input HDMI3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI4

[PUT Command]

@SYS:TRIG1INPHDMI4=Parameter

[GET Command]

@SYS:TRIG1INPHDMI4=?

Operating & retrieving the setting state for Input HDMI4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI5

[PUT Command]

@SYS:TRIG1INPHDMI5=Parameter

[GET Command]

@SYS:TRIG1INPHDMI5=?

Operating & retrieving the setting state for Input HDMI5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI6

[PUT Command]

@SYS:TRIG1INPHDMI6=Parameter

[GET Command]

@SYS:TRIG1INPHDMI6=?

Operating & retrieving the setting state for Input HDMI6 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI7

[PUT Command]

@SYS:TRIG1INPHDMI7=Parameter

[GET Command]

@SYS:TRIG1INPHDMI7=?

Operating & retrieving the setting state for Input HDMI7 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV1**

[PUT Command]

@SYS:TRIG1INPAV1=Parameter

[GET Command]

@SYS:TRIG1INPAV1=?

Operating & retrieving the setting state for Input AV1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV2**

[PUT Command]

@SYS:TRIG1INPAV2=Parameter

[GET Command]

@SYS:TRIG1INPAV2=?

Operating & retrieving the setting state for Input AV2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV3**

[PUT Command]

@SYS:TRIG1INPAV3=Parameter

[GET Command]

@SYS:TRIG1INPAV3=?

Operating & retrieving the setting state for Input AV3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV4**

[PUT Command]

@SYS:TRIG1INPAV4=Parameter

[GET Command]

@SYS:TRIG1INPAV4=?

Operating & retrieving the setting state for Input AV4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV5**

[PUT Command]

@SYS:TRIG1INPAV5=Parameter

[GET Command]

@SYS:TRIG1INPAV5=?

Operating & retrieving the setting state for Input AV5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAV6

[PUT Command]

@SYS:TRIG1INPAV6=Parameter

[GET Command]

@SYS:TRIG1INPAV6=?

Operating & retrieving the setting state for Input AV6 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPVAUX

[PUT Command]

@SYS:TRIG1INPVAUX=Parameter

[GET Command]

@SYS:TRIG1INPVAUX=?

Operating & retrieving the setting state for Input VAUX of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAUDIO1

[PUT Command]

@SYS:TRIG1INPAUDIO1=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO1=?

Operating & retrieving the setting state for Input AUDIO1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAUDIO2

[PUT Command]

@SYS:TRIG1INPAUDIO2=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO2=?

Operating & retrieving the setting state for Input AUDIO2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPDOCK

[PUT Command]

@SYS:TRIG1INPDOCK=Parameter

[GET Command]

@SYS:TRIG1INPDOCK=?

Operating & retrieving the setting state for Input DOCK of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPIPOD

[PUT Command]

@SYS:TRIG1INPIPOD=Parameter

[GET Command]

@SYS:TRIG1INPIPOD=?

Operating & retrieving the setting state for Input IPOD of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPBT

[PUT Command]

@SYS:TRIG1INPBT=Parameter

[GET Command]

@SYS:TRIG1INPBT=?

Operating & retrieving the setting state for Input BT of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPUAW

[PUT Command]

@SYS:TRIG1INPUAW=Parameter

[GET Command]

@SYS:TRIG1INPUAW=?

Operating & retrieving the setting state for Input UAW of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPNET**

- [PUT Command]**

- @SYS:TRIG1INPNET=Parameter*

- [GET Command]**

- @SYS:TRIG1INPNET=?*

- Operating & retrieving the setting state for Input NET of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPRHAPSODY**

- [PUT Command]**

- @SYS:TRIG1INPRHAPSODY=Parameter*

- [GET Command]**

- @SYS:TRIG1INPRHAPSODY=?*

- Operating & retrieving the setting state for Input RHAPSODY of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPSIRIUSIR**

- [PUT Command]**

- @SYS:TRIG1INPSIRIUSIR=Parameter*

- [GET Command]**

- @SYS:TRIG1INPSIRIUSIR=?*

- Operating & retrieving the setting state for Input SIRIUSIR of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPPANDORA**

- [PUT Command]**

- @SYS:TRIG1INPPANDORA=Parameter*

- [GET Command]**

- @SYS:TRIG1INPPANDORA=?*

- Operating & retrieving the setting state for Input PANDORA of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPNAPSTER**

- [PUT Command]**

@SYS:TRIG1INPNAPSTER=Parameter

[GET Command]

@SYS:TRIG1INPNAPSTER=?

Operating & retrieving the setting state for Input NAPSTER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPPC**

[PUT Command]

@SYS:TRIG1INPPC=Parameter

[GET Command]

@SYS:TRIG1INPPC=?

Operating & retrieving the setting state for Input PC of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPNETRADIO**

[PUT Command]

@SYS:TRIG1INPNETRADIO=Parameter

[GET Command]

@SYS:TRIG1INPNETRADIO=?

Operating & retrieving the setting state for Input NETRADIO of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPUSB**

[PUT Command]

@SYS:TRIG1INPUSB=Parameter

[GET Command]

@SYS:TRIG1INPUSB=?

Operating & retrieving the setting state for Input USB of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPIPODUSB**

[PUT Command]

@SYS:TRIG1INPIPODUSB=Parameter

[GET Command]

@SYS:TRIG1INPIPODUSB=?

Operating & retrieving the setting state for Input IPODUSB of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIGIINPSIRIUS](#)

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• MEMGRD

[PUT Command]

@SYS:MEMGRD=*Parameter*

[GET Command]

@SYS:MEMGRD=?

Operating & retrieving Memory Guard Setting state

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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• REMOTECODE

[PUT Command]

@SYS:REOTECODE=*Parameter*

Operation by specifying IR command codes.

[Parameters]

Character Code: Hex, Fixed 8 characters

PUT Only: 8-digit ASCII (Hex) IR codes are to be specified for its value. See the IR command chart separately provided. [\[Link To the IR Code File\]](#)

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Sub Unit : MAIN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: MAIN

- **AVAIL**

[GET Command]

@MAIN:AVAIL=?

Retrieving the validity of Main Zone operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **ZONENAME**

[PUT Command]

@MAIN:ZONENAME=Parameter

[GET Command]

@MAIN:ZONENAME=?

Setting & retrieving renamed info of Main Zone

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

PUT: setting its name / GET: indicating its name

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• SCENENAME

[GET Command]

@MAIN:SCENENAME=?

Retrieving renamed info of all SCENE presets for Main Zone

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• SCENE1NAME

[GET Command]

@MAIN:SCENE1NAME=?

Retrieving renamed info of SCENE1

[Parameters]

Character Code: Latin-1, Variable Length (0 to 20 characters)

GET Only

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• SCENE2NAME

[GET Command]

@MAIN:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• SCENE3NAME

[GET Command]

@MAIN:SCENE3NAME=?

Retrieving renamed info of SCENE3

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• SCENE4NAME

[GET Command]

@MAIN:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

- **BASIC**

[GET Command]

@MAIN: BASIC=?

GET Only. Main Zone basic info is retrieved at a time.

Updated by following commands: "@MAIN:PWR", "@MAIN:SLEEP", "@MAIN:VOL", "@MAIN:MUTE", "@MAIN:INP", "@MAIN:STRAIGHT", "@MAIN:ENHANCER" and "@MAIN:SOUNDPRG"

- **PWR**

[PUT Command]

@MAIN:PWR=Parameter

[GET Command]

@MAIN:PWR=?

Operating & retrieving Power state of Main Zone

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

- **SLEEP**

[PUT Command]

@MAIN:SLEEP=Parameter

[GET Command]

@MAIN:SLEEP=?

Operating & retrieving Sleep setting state of Main Zone

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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- **VOL**

[PUT Command]

@MAIN:VOL=Parameter

[GET Command]

@MAIN:VOL=?

Operating & retrieving Main Zone Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **MUTE**

[PUT Command]

@MAIN:MUTE=Parameter

[GET Command]

@MAIN:MUTE=?

Operating & retrieving Main Zone muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• MAXVOL

[PUT Command]

@MAIN:MAXVOL=*Parameter*

[GET Command]

@MAIN:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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• INITVOLMODE

[PUT Command]

@MAIN:INITVOLMODE=*Parameter*

[GET Command]

@MAIN:INITVOLMODE=?

Operating & retrieving Initial Volume Mode state of Main Zone

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• INITVOLLVL

[PUT Command]

@MAIN:INITVOLLVL=*Parameter*

[GET Command]

@MAIN:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• INP

[PUT Command]

@MAIN:INP=*Parameter*

[GET Command]

@MAIN:INP=?

Operating & retrieving Main Zone Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

HDMI1

PUT: selecting input HDMI1 / GET: indicating current input is HDMI1

HDMI2

PUT: selecting input HDMI2 / GET: indicating current input is HDMI2

HDMI3

PUT: selecting input HDMI3 / GET: indicating current input is HDMI3

HDMI4

PUT: selecting input HDMI4 / GET: indicating current input is HDMI4

HDMI5

PUT: selecting input HDMI5 / GET: indicating current input is HDMI5

HDMI6

PUT: selecting input HDMI6 / GET: indicating current input is HDMI6

HDMI7

PUT: selecting input HDMI7 / GET: indicating current input is HDMI7

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT Only: selecting input USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• **DECODERSEL**

[PUT Command]

@MAIN:DECODERSEL=*Parameter*

[GET Command]

@MAIN:DECODERSEL=?

Operating & retrieving Decoder Select setting state

Decoder Select is for selecting an audio decoder specifically.

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Automatically selects audio decoder. Default value.

DTS

PUT: turning its setting state to DTS / GET: indicating DTS setting status.

Audio decoder is fixed to DTS

Unavailable

GET Only: indicating its setting is currently unavailable.

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• **SCENE**

[PUT Command]

@MAIN:SCENE=Parameter

Recalling Main Zone Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

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• SPBASS

[PUT Command]

@MAIN:SPBASS=Parameter

[GET Command]

@MAIN:SPBASS=?

Operating & retrieving Bass Tone Control setting state (Effective to speaker output)

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

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• SPTREBLE

[PUT Command]

@MAIN:SPTREBLE=Parameter

[GET Command]

@MAIN:SPTREBLE=?

Operating & retrieving Treble Tone Control setting state. (Effective to speaker output)

[Parameters]

Parameters are the same as [SPBASS](#)

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• PUREDIRMODE

[PUT Command]

@MAIN:PUREDIRMODE=Parameter

[GET Command]

@MAIN:PUREDIRMODE=?

Operating & retrieving Pure Direct Mode setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• ADAPTIVEDRC

[PUT Command]

@MAIN:ADAPTIVEDRC=*Parameter*

[GET Command]

@MAIN:ADAPTIVEDRC=?

Operating & retrieving Adaptive DRC setting state

Adaptive DRC is an automatic Dynamic Range Control feature.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• LIPSYNCMODE

[PUT Command]

@MAIN:LIPSYNCMODE=*Parameter*

[GET Command]

@MAIN:LIPSYNCMODE=?

Operating & retrieving Lipsync Mode setting state

[Parameters]

Manual

PUT: turning its setting state to Manual / GET: indicating Manual setting status.

About "Manual" setting of Lipsync Mode: When selecting "Manual" here, the audio delay value can be manually set. The effective setting of the audio delay value has some dependencies as follows. In case of using Analog Video Output only (no HDMI connection is active), audio delay value set by "@MAIN:ANLGOUT" command is effective. In case that HDMI OUT1 is in active connection, the value set by "@MAIN:HDMIOUT1MANUAL" command works. Else if HDMI OUT2 is the only one activated, the setting by "@MAIN:HDMIOUT2MANUAL" is enabled.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

About Lipsync Mode "Auto": Basically, Audio Delay value has 5 different settings internally according to "Video

Output State (5 Status available)". And the 5 different status of "Video Output State" is determined by the combination of two states of "Display's state of compatibility/incompatibility with Auto Lipsync feature" and "Current effective HDMI output state (on the receiver)", which means 4 status, plus a status of "Analog Video Out only in use", summing up to 5 in total. The "Auto" setting of Lipsync Mode is to dynamically change the Audio Delay value corresponding to a specific status of Video Output State. "Video Output State" can be retrieved with a command of "@MAIN:SELINFO", and you can set the effective Audio Delay value according to respective Video Output status by these commands as following;

When "@MAIN:SELINFO=Analog": the audio delay can be set by "@MAIN:ANLGOUT" command

When "@MAIN:SELINFO=HDMI1 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1OFFSET" command

When "@MAIN:SELINFO=HDMI1 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1MANUAL" command

When "@MAIN:SELINFO=HDMI2 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2OFFSET" command

When "@MAIN:SELINFO=HDMI2 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2MANUAL" command

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• LIPSYNCANLGOUT

[PUT Command]

@MAIN:LIPSYNCANLGOUT=Parameter

[GET Command]

@MAIN:LIPSYNCANLGOUT=?

Operating & retrieving Audio Delay setting state in case when the Analog Video output is only effective (no HDMI output is in use).

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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• LIPSYNCHDMIOUT1OFFSET

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=?

Operating & retrieving Audio Delay setting state in case when the Display is compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: -250 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT1MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=?

Operating & retrieving Audio Delay setting state in case when the Display is NOT compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT2OFFSET**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1OFFSET](#)

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- **LIPSYNCHDMIOUT2MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1MANUAL](#)

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- **LIPSYNCSELINFO**

[GET Command]

@MAIN:LIPSYNCSELINFO=?

Retrieving current Video Output State

[Parameters]

Analog

GET Only: indicating Analog video connection is only available (no HDMI out is in use)

HDMI1 Auto

GET Only: indicating HDMI1 output connection is effective, and the Display is compatible with Auto Lipsync feature.

HDMI1 Manual

GET Only: indicating HDMI1 output connection is effective, and the Display is NOT compatible with Auto Lipsync feature.

HDMI2 Auto

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is compatible with Auto Lipsync feature.

HDMI2 Manual

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is NOT compatible with Auto Lipsync feature.

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• LIPSYNCOFFSETINFO

[GET Command]

@MAIN:LIPSYNCOFFSETINFO=?

Retrieving the Audio Delay Offset value that is reported by the Display compatible with Auto Lipsync feature

[Parameters]

Numerical Number: 0 to 250, Step: 1

GET Only: indicating the current value.

The unit for this parameter is "ms".

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• HDMIOUT

[PUT Command]

@MAIN:HDMIOUT=*Parameter*

[GET Command]

@MAIN:HDMIOUT=?

Operating & retrieving HDMI Output setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off (output is disabled)/ GET: indicating Off setting status.

OUT1

PUT: turning its setting state to OUT1 (HDMI OUT2 is disabled) / GET: indicating OUT1 setting status.

OUT2

PUT: turning its setting state to OUT2 (HDMI OUT1 is disabled) / GET: indicating OUT2 setting status.

OUT1 + 2

PUT: turning its setting state to OUT1 + 2 (Both HDMI OUT1 & 2 are enabled) / GET: indicating OUT1 + 2 setting status.

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- **HDMIAUDOUTAMP**

- [PUT Command]**

- @MAIN:HDMIAUDOUTAMP=Parameter*

- [GET Command]**

- @MAIN:HDMIAUDOUTAMP=?*

- Operating & retrieving HDMI Audio Output to Amp (Receiver) setting state

- [Parameters]**

- Off*

- PUT: turning its setting state to Off / GET: indicating Off setting status.

- On*

- PUT: turning its setting state to On / GET: indicating On setting status.

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- **HDMIAUDOUT1**

- [PUT Command]**

- @MAIN:HDMIAUDOUT1=Parameter*

- [GET Command]**

- @MAIN:HDMIAUDOUT1=?*

- Operating & retrieving HDMI Audio Output to HDMI OUT1 setting state

- [Parameters]**

- Parameters are the same as [HDMIAUDOUTAMP](#)*

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- **HDMIAUDOUT2**

- [PUT Command]**

- @MAIN:HDMIAUDOUT2=Parameter*

- [GET Command]**

- @MAIN:HDMIAUDOUT2=?*

- Operating & retrieving HDMI Audio Output to HDMI OUT2 setting state

- [Parameters]**

- Parameters are the same as [HDMIAUDOUTAMP](#)*

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- **TVAUDIN1**

- [PUT Command]**

@MAIN:TVAUDINI=Parameter

[GET Command]

@MAIN:TVAUDINI=?

Operating & retrieving TV Audio In: TV1 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT1.

[Parameters]

AV1

PUT: turning its setting state to AV1 / GET: indicating AV1 setting status.

AV2

PUT: turning its setting state to AV2 / GET: indicating AV2 setting status.

AV3

PUT: turning its setting state to AV3 / GET: indicating AV3 setting status.

AV4

PUT: turning its setting state to AV4 / GET: indicating AV4 setting status.

AV5

PUT: turning its setting state to AV5 / GET: indicating AV5 setting status.

AV6

PUT: turning its setting state to AV6 / GET: indicating AV6 setting status.

AUDIO1

PUT: turning its setting state to AUDIO1 / GET: indicating AUDIO1 setting status.

AUDIO2

PUT: turning its setting state to AUDIO2 / GET: indicating AUDIO2 setting status.

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• **TVAUDIN2**

[PUT Command]

@MAIN:TVAUDIN2=Parameter

[GET Command]

@MAIN:TVAUDIN2=?

Operating & retrieving TV Audio In: TV2 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT2.

[Parameters]

Parameters are the same as [TVAUDINI](#)

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• **HDMIPROCESSING**

[PUT Command]

@MAIN:HDMIPROCESSING=Parameter

[GET Command]

@MAIN:HDMIPROCESSING=?

Operating & retrieving HDMI Video Processing setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• HDMIASPECT

[PUT Command]

@MAIN:HDMIASPECT=Parameter

[GET Command]

@MAIN:HDMIASPECT=?

Operating & retrieving HDMI Video Aspect setting state

[Parameters]

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

16:9 Normal

PUT: turning its setting state to 16:9 Normal / GET: indicating 16:9 Normal setting status.

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• HDMIRESOL

[PUT Command]

@MAIN:HDMIRESOL=Parameter

[GET Command]

@MAIN:HDMIRESOL=?

Operating & retrieving HDMI Video Resolution setting state

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

480p / 576p

PUT: turning its setting state to 480p / 576p / GET: indicating 480p / 576p setting status.

720p

PUT: turning its setting state to 720p / GET: indicating 720p setting status.

1080i

PUT: turning its setting state to 1080i / GET: indicating 1080i setting status.

1080p

PUT: turning its setting state to 1080p / GET: indicating 1080p setting status.

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

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- **HPBASS**

[PUT Command]

@MAIN:HPBASS=Parameter

[GET Command]

@MAIN:HPBASS=?

Operating & retrieving Bass Tone Control setting state for Headphone

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "dB".

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- **HPTREBLE**

[PUT Command]

@MAIN:HPTREBLE=Parameter

[GET Command]

@MAIN:HPTREBLE=?

Operating & retrieving Treble Tone Control setting state for Headphone

[Parameters]

Parameters are the same as [HPBASS](#)

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- **STRAIGHT**

[PUT Command]

@MAIN:STRAIGHT=Parameter

[GET Command]

@MAIN:STRAIGHT=?

Operating & retrieving STRAIGHT setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **ENHANCER**

[PUT Command]

@MAIN:ENHANCER=Parameter

[GET Command]

@MAIN:ENHANCER=?

Operating & retrieving ENHANCER setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• SOUNDPRG

[PUT Command]

@MAIN:SOUNDPRG=*Parameter*

[GET Command]

@MAIN:SOUNDPRG=?

Operating & retrieving DSP SOUND PROGRAM setting state

Initial Auto Feedback is Available

[Parameters]

Hall in Munich

PUT: turning its setting state to Hall in Munich / GET: indicating Hall in Munich setting status.

Hall in Vienna

PUT: turning its setting state to Hall in Vienna / GET: indicating Hall in Vienna setting status.

Chamber

PUT: turning its setting state to Chamber / GET: indicating Chamber setting status.

Cellar Club

PUT: turning its setting state to Cellar Club / GET: indicating Cellar Club setting status.

The Roxy Theatre

PUT: turning its setting state to The Roxy Theatre / GET: indicating The Roxy Theatre setting status.

The Bottom Line

PUT: turning its setting state to The Bottom Line / GET: indicating The Bottom Line setting status.

Sports

PUT: turning its setting state to Sports / GET: indicating Sports setting status.

Action Game

PUT: turning its setting state to Action Game / GET: indicating Action Game setting status.

Roleplaying Game

PUT: turning its setting state to Roleplaying Game / GET: indicating Roleplaying Game setting status.

Music Video

PUT: turning its setting state to Music Video / GET: indicating Music Video setting status.

Standard

PUT: turning its setting state to Standard / GET: indicating Standard setting status.

Spectacle

PUT: turning its setting state to Spectacle / GET: indicating Spectacle setting status.

Sci-Fi

PUT: turning its setting state to Sci-Fi / GET: indicating Sci-Fi setting status.

Adventure

PUT: turning its setting state to Adventure / GET: indicating Adventure setting status.

Drama

PUT: turning its setting state to Drama / GET: indicating Drama setting status.

Mono Movie

PUT: turning its setting state to Mono Movie / GET: indicating Mono Movie setting status.

2ch Stereo

PUT: turning its setting state to 2ch Stereo / GET: indicating 2ch Stereo setting status.

7ch Stereo

PUT: turning its setting state to 7ch Stereo / GET: indicating 7ch Stereo setting status.

Surround Decoder

PUT: turning its setting state to Surround Decoder / GET: indicating Surround Decoder setting status.

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• **ADAPTIVEDSP**

[PUT Command]

@MAIN:ADAPTIVEDSP=Parameter

[GET Command]

@MAIN:ADAPTIVEDSP=?

Operating & retrieving Adaptive DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• **3DCINEMA**

[PUT Command]

@MAIN:3DCINEMA=Parameter

[GET Command]

@MAIN:3DCINEMA=?

Operating & retrieving 3D DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

- **EXSURDECODER**

[PUT Command]

@MAIN:EXSURDECODER=Parameter

[GET Command]

@MAIN:EXSURDECODER=?

Operating & retrieving Extended Surround setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

EX/ES

PUT: turning its setting state to EX/ES / GET: indicating EX/ES setting status.

- **2CHDECODER**

[PUT Command]

@MAIN:2CHDECODER=Parameter

[GET Command]

@MAIN:2CHDECODER=?

Operating & retrieving Surround Decoder setting state for 2ch audio signal

It changes to PLII or PLIIx automatically depending on other settings or status.

[Parameters]

Dolby PL

Dolby PLII Movie

PUT: turning its setting state to Dolby PLII Movie / GET: indicating Dolby PLII Movie setting status.

Dolby PLII Music

PUT: turning its setting state to Dolby PLII Music / GET: indicating Dolby PLII Music setting status.

Dolby PLII Game

PUT: turning its setting state to Dolby PLII Game / GET: indicating Dolby PLII Game setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

Dolby PLIIx Game

PUT: turning its setting state to Dolby PLIIx Game / GET: indicating Dolby PLIIx Game setting status.

DTS NEO:6 Cinema

PUT: turning its setting state to DTS NEO:6 Cinema / GET: indicating DTS NEO:6 Cinema setting status.

DTS NEO:6 Music

PUT: turning its setting state to DTS NEO:6 Music / GET: indicating DTS NEO:6 Music setting status.

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• **PLAYBACK**

[PUT Command]

@MAIN:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **LISTCURSOR**

[PUT Command]

@MAIN:LISTCURSOR=Parameter

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Left

Right

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTMENU**

[PUT Command]

@MAIN:LISTMENU=Parameter

[Parameters]

On Screen

Top Menu

Menu

Option

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Sub Unit : ZONE2

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date:: \$

\$Revision: \$

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1. Power

PWR
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2. Volume

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3. Input

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PLAYBACK

6. Others

AVAIL
ZONENAME

Command Details of SubUnit: ZONE2

- AVAIL

[GET Command]

@ZONE2:AVAIL=?

Retrieving the validity of Zone 2 operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

- **ZONENAME**

[PUT Command]

@ZONE2:ZONENAME=Parameter

[GET Command]

@ZONE2:ZONENAME=?

Setting & retrieving renamed info of Zone 2

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

PUT: setting its name / GET: indicating its name

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- **BASIC**

[GET Command]

@ZONE2:BASIC=?

GET Only. Zone 2 basic info is retrieved at a time.

Updated by following commands: "@ZONE2:PWR", "@ZONE2:SLEEP", "@ZONE2:VOL", "@ZONE2:MUTE", and "@ZONE2:INP"

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- **PWR**

[PUT Command]

@ZONE2:PWR=Parameter

[GET Command]

@ZONE2:PWR=?

Operating & retrieving Power state of Zone 2

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@ZONE2:SLEEP=Parameter

[GET Command]

@ZONE2:SLEEP=?

Operating & retrieving Sleep setting state of Zone 2

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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• VOL

[PUT Command]

@ZONE2:VOL=*Parameter*

[GET Command]

@ZONE2:VOL=?

Operating & retrieving Zone 2 Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@ZONE2:MUTE=Parameter

[GET Command]

@ZONE2:MUTE=?

Operating & retrieving Zone 2 muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• MAXVOL

[PUT Command]

@ZONE2:MAXVOL=Parameter

[GET Command]

@ZONE2:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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- **INITVOLMODE**

[PUT Command]

@ZONE2:INITVOLMODE=Parameter

[GET Command]

@ZONE2:INITVOLMODE=?

Operating & retrieving Initial Volume Mode setting state of Zone 2

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@ZONE2:INITVOLLVL=Parameter

[GET Command]

@ZONE2:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **INP**

[PUT Command]

@ZONE2:INP=*Parameter*

[GET Command]

@ZONE2:INP=?

Operating & retrieving Zone 2 Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT: selecting input USB / GET: indicating current input is USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• **PLAYBACK**

[PUT Command]

@ZONE2:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : TUN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: TUN

• AVAIL

[GET Command]

@TUN:AVAIL=?

Retrieving the validity of Tuner operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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• SEARCHMODE

[PUT Command]

@TUN:SEARCHMODE=Parameter

[GET Command]

@TUN:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

Tuning

PUT: selecting Tuning search mode / GET: indicating current search mode is Tuning

[Back To Index](#)

• PRESET

[PUT Command]

@TUN:PRESET=Parameter

[GET Command]

@TUN:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available preset number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available preset number to the current one in the way of smaller number to larger.

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• MEM

[PUT Command]

@TUN:MEM=Parameter

Registering current frequency to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **FMFREQ**

[PUT Command]

@TUN:FMFREQ=Parameter

[GET Command]

@TUN:FMFREQ=?

Operating & retrieving FM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no FM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 87.50 to 107.90, Step: 0.20

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "MHz".

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- **AMFREQ**

[PUT Command]

@TUN:AMFREQ=Parameter

[GET Command]

@TUN:AMFREQ=?

Operating & retrieving AM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no AM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 530 to 1710, Step: 10

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "kHz".

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• BAND

[PUT Command]

@TUN:BAND=Parameter

[GET Command]

@TUN:BAND=?

Operating & retrieving the Frequency Band type

Initial Auto Feedback is Available

[Parameters]

FM

PUT: selecting FM / GET: indicating current band type is FM

AM

PUT: selecting AM / GET: indicating current band type is AM

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• FM MODE

[PUT Command]

@TUN:FM MODE=Parameter

[GET Command]

@TUN:FM MODE=?

Operating & retrieving FM playback mode

Initial Auto Feedback is Available

[Parameters]

Auto

PUT: selecting Auto mode. / GET: indicating Auto mode

This is a mode that automatically mutes the sound when no stereo reception is available.

Mono

PUT: selecting Mono mode. / GET: indicating Mono mode

This is a mode to force the reception to be monaural (used when the reception is weak and easily gets muted).

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• **SIGINFO**

[GET Command]

@TUN:SIGINFO=?

GET Only. Tuner signal status can be retrieved at a time.

Updated by following commands: "@TUN:TUNED" and "@TUN:SIGSTEREOMONO"

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• **TUNED**

[GET Command]

@TUN:TUNED=?

Retrieving the tuning status

Initial Auto Feedback is Available

[Parameters]

Negate

GET Only: indicating untuned status

Assert

GET Only: indicating tuned to a station

[Back To Index](#)

• **SIGSTEREOMONO**

[GET Command]

@TUN:SIGSTEREOMONO=?

Retrieving whether the playback signal is mono or stereo.

Initial Auto Feedback is Available

Negate means now playing monaural signal or not tuned. Assert means now playing Stereo signal.

[Parameters]

*Parameters are the same as **TUNED***

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Sub Unit : SIRIUS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date: \$

\$Revision: \$

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CHNAME

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SONG

COMPOSER

PLOCK

Command Details of SubUnit: SIRIUS

• AVAIL

[GET Command]

@SIRIUS:AVAIL=?

Retrieving the connection state of SiriusConnect tuner (adapter) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the adapter is not connected.

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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- **SEARCHMODE**

[PUT Command]

@SIRIUS:SEARCHMODE=Parameter

[GET Command]

@SIRIUS:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

All Ch

PUT: selecting All Ch search mode / GET: indicating current search mode is All Ch

Category

PUT: selecting Category search mode / GET: indicating current search mode is Category

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

[Back To Index](#)

- **PRESET**

[PUT Command]

@SIRIUS:PRESET=Parameter

[GET Command]

@SIRIUS:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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- **MEM**

[PUT Command]

@SIRIUS:MEM=*Parameter*

Registering current channel to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• CATSEL

[PUT Command]

@SIRIUS:CATSEL=*Parameter*

Operating Category selection.

[Parameters]

Down

PUT Only: selecting in the reverse order

Up

PUT Only: selecting in order

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• CHSEL

[PUT Command]

@SIRIUS:CHSEL=*Parameter*

[GET Command]

@SIRIUS:CHSEL=?

Operating & retrieving Channel Number selection

[Parameters]

Numerical Number: 0 to 223, Step: 1

PUT: changing to the specified number. / GET: indicating current selection

255

PUT: doing nothing / GET: indicating "not connected to the adapter" or "no station is received"

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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• SIGINFO

[GET Command]

@SIRIUS:SIGINFO=?

GET Only. Signal status can be retrieved at a time.

Updated by following command: "@SIRIUS:ANTLVL" only

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- **ANTLVL**

[GET Command]

@SIRIUS:ANTLVL=?

Retrieving the signal strength state at the antenna.

Initial Auto Feedback is Available

[Parameters]

No Signal

GET Only: indicating its status is No Signal

Weak

GET Only: indicating its status is Weak

Good

GET Only: indicating its status is Good

Excellent

GET Only: indicating its status is Excellent

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- **METAINFO**

[GET Command]

@SIRIUS:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@SIRIUS:CATNAME", "@SIRIUS:CHNUM", "@SIRIUS:CHNAME", "@SIRIUS:ARTIST", "@SIRIUS:SONG" and "@SIRIUS:COMPOSER"

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- **CATNAME**

[GET Command]

@SIRIUS:CATNAME=?

Retrieving Category Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Latin-1, Variable Length (0 to 16 characters)

GET Only

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- **CHNUM**

[GET Command]

@SIRIUS:CHNUM=?

Retrieving Channel Number

Initial Auto Feedback is Available

[Parameters]

Numerical Number: 0 to 255, Step: 1

GET Only

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• CHNAME

[GET Command]

@SIRIUS:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ARTIST

[GET Command]

@SIRIUS:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• SONG

[GET Command]

@SIRIUS:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• COMPOSER

[GET Command]

@SIRIUS:COMPOSER=?

Retrieving Composer Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• **PLOCK**

[GET Command]

@SIRIUS:PLOCK=?

Retrieving the state of Parental Lock

Initial Auto Feedback is Available

[Parameters]

Locked

GET Only: indicating its status is Locked

Unlocked

GET Only: indicating its status is Unlocked

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Sub Unit : IPOD

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date: \$

\$Revision: \$

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4. Others

AVAIL

REPEAT

SHUFFLE

ARTIST

Command Details of SubUnit: IPOD

- **AVAIL**

[GET Command]

@IPOD:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPOD:MODE=*Parameter*

[GET Command]

@IPOD:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPOD:REPEAT=*Parameter*

[GET Command]

@IPOD:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPOD:SHUFFLE=Parameter

[GET Command]

@IPOD:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPOD:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPOD:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPOD:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPOD:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPOD:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPOD:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPOD:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPOD:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPOD:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPOD:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPOD:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPOD:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPOD:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPOD:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPOD:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPOD:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPOD:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPOD:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPOD:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@IPOD:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@IPOD:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPOD:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : BT

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: BT

• AVAIL

[GET Command]

@BT:AVAIL=?

Retrieving the connection state of Bluetooth (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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• PAIRING

[PUT Command]

@BT:PAIRING=Parameter

Operating the setting state of Pariring

[Parameters]

Start

PUT Only: changing its state to Start

Cancel

PUT Only: changing its state to Cancel

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- **CONNECT**

- [PUT Command]**

- @BT:CONNECT=Parameter*

- Operating the connection state

- [Parameters]**

- Disconnect*

- PUT Only: changing its state to Disconnect

- Connect*

- PUT Only: changing its state to Connect

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- **CONNECTINFO**

- [GET Command]**

- @BT:CONNECTINFO=?*

- [Parameters]**

- Disconnected*

- Connected*

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- **PLAYBACK**

- [PUT Command]**

- @BT:PLAYBACK=Parameter*

- Operating the playback state

- [Parameters]**

- Stop*

- PUT Only: change its state to Stop

- Pause*

- PUT Only: change its state to Pause

- Play*

- PUT Only: change its state to Play

- |<<*

- PUT Only: change its state to |<<

- meaning Skip Rev

- >>|*

- PUT Only: change its state to >>|

- meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : UAW

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date:: \$

\$Revision: \$

Command Index

1. Others

[AVAIL](#)

Command Details of SubUnit: UAW

- **AVAIL**

[GET Command]

@UAW:AVAIL=?

Retrieving the connection state of UAW (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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Sub Unit : RHAP

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date: \$

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CURRLINE

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4. Others

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REPEAT

SHUFFLE

Command Details of SubUnit: RHAP

- **AVAIL**

[GET Command]

@RHAP:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@RHAP:REPEAT=Parameter

[GET Command]

@RHAP:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@RHAP:SHUFFLE=Parameter

[GET Command]

@RHAP:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@RHAP:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@RHAP:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@RHAP:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@RHAP:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@RHAP:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@RHAP:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@RHAP:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@RHAP:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@RHAP:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @RHAP:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @RHAP:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @RHAP:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@RHAP:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@RHAP:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@RHAP:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@RHAP:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

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- **LINE2TXT**

[GET Command]

@RHAP:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@RHAP:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@RHAP:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@RHAP:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@RHAP:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@RHAP:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

[Back To Index](#)

- **LINE6TXT**

[GET Command]

@RHAP:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@RHAP:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@RHAP:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@RHAP:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@RHAP:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@RHAP:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@RHAP:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@RHAP:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : SIRIUSIR

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

CHNAME

ARTIST

Command Details of SubUnit: SIRIUSIR

- **AVAIL**

[GET Command]

@SIRIUSIR:AVAIL=?

Retrieving the state of network link or the validity of SIRIUS Internet Radio operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@SIRIUSIR:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@SIRIUSIR:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@SIRIUSIR:PLAYBACK=*Parameter*

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• PLAYBACKINFO

[GET Command]

@SIRIUSIR:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• METAINFO

[GET Command]

@SIRIUSIR:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:CHNAME", "@XXXX:ARTIST" and "@XXXX:SONG" (XXXX = SubUnit name)

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• CHNAME

[GET Command]

@SIRIUSIR:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ARTIST**

[GET Command]

@SIRIUSIR:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **SONG**

[GET Command]

@SIRIUSIR:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **LISTSEL**

[PUT Command]

@SIRIUSIR:LISTSEL=*Parameter*

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @SIRIUSIR:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @SIRIUSIR:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @SIRIUSIR:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @SIRIUSIR:LISTLAYER=?*

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• **LISTLAYERNAME**

[GET Command]

@SIRIUSIR:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@SIRIUSIR:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@SIRIUSIR:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@SIRIUSIR:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATTRIB**

[GET Command]

@SIRIUSIR:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE3TXT**

[GET Command]

@SIRIUSIR:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATTRIB**

[GET Command]

@SIRIUSIR:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE4TXT**

[GET Command]

@SIRIUSIR:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATTRIB**

[GET Command]

@SIRIUSIR:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE5TXT**

[GET Command]

@SIRIUSIR:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@SIRIUSIR:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@SIRIUSIR:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@SIRIUSIR:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@SIRIUSIR:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@SIRIUSIR:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@SIRIUSIR:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@SIRIUSIR:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@SIRIUSIR:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@SIRIUSIR:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PANDORA

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date: \$

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LINE7TXT

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LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

BOOKMARK

FEEDBACK

Command Details of SubUnit: PANDORA

- **AVAIL**

[GET Command]

@PANDORA:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@PANDORA:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@PANDORA:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@PANDORA:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Fwd

PUT Only: change its state to Skip Fwd

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- **BOOKMARK**

[PUT Command]

@PANDORA:BOOKMARK=Parameter

[Parameters]

Song

Artist

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- **FEEDBACK**

[PUT Command]

@PANDORA:FEEDBACK=Parameter

[GET Command]

@PANDORA:FEEDBACK=?

Operating & retrieving thumbs up/down state

[Parameters]

GET Only

Thumb Down

PUT: change its state to Thumb Down / GET: indicating its state is Thumb Down

Thumb Up

PUT: change its state to Thumb Up / GET: indicating its state is Thumb Up

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- **PLAYBACKINFO**

- [GET Command]**

- @PANDORA:PLAYBACKINFO=?

- Retrieving the playback state

- Initial Auto Feedback is Available

- [Parameters]**

- Stop*

- GET Only: indicating its state is Stop

- Pause*

- GET Only: indicating its state is Pause

- Play*

- GET Only: indicating its state is Play

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- **METAINFO**

- [GET Command]**

- @PANDORA:METAINFO=?

- GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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- **SONG**

- [GET Command]**

- @PANDORA:SONG=?

- Retrieving Artist Name

- Initial Auto Feedback is Available

- [Parameters]**

- Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)*

- GET Only

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- **ALBUM**

- [GET Command]**

- @PANDORA:ALBUM=?

- Retrieving Album Title

- Initial Auto Feedback is Available

- [Parameters]**

- Parameters are the same as [SONG](#)*

- **STATION**

[GET Command]

@PANDORA:STATION=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [SONG](#)

- **LISTSEL**

[PUT Command]

@PANDORA:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

- **LISTCURSOR**

[PUT Command]

@PANDORA:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTPAGE**

- [PUT Command]**

- @PANDORA:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PANDORA:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @PANDORA:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

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- **LISTLAYERNAME**

- [GET Command]**

@PANDORA:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@PANDORA:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@PANDORA:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@PANDORA:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATRIB**

[GET Command]

@PANDORA:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATRIB**

[GET Command]

@PANDORA:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATRIB**

[GET Command]

@PANDORA:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATRIB**

[GET Command]

@PANDORA:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@PANDORA:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@PANDORA:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

[Back To Index](#)

- **LINE7TXT**

[GET Command]

@PANDORA:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@PANDORA:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@PANDORA:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@PANDORA:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@PANDORA:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PANDORA:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NAPSTER

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date:: \$

\$Revision: \$

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CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: NAPSTER

- **AVAIL**

[GET Command]

@NAPSTER:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@NAPSTER:REPEAT=Parameter

[GET Command]

@NAPSTER:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@NAPSTER:SHUFFLE=Parameter

[GET Command]

@NAPSTER:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@NAPSTER:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@NAPSTER:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@NAPSTER:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

/<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@NAPSTER:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NAPSTER:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@NAPSTER:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

- **ALBUM**

[GET Command]

@NAPSTER:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **LISTSEL**

[PUT Command]

@NAPSTER:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

- **LISTCURSOR**

[PUT Command]

@NAPSTER:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

- **LISTPAGE**

[PUT Command]

@NAPSTER:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

- **LISTINFO**

[GET Command]

@NAPSTER:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@NAPSTER:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• **LISTLAYERNAME**

[GET Command]

@NAPSTER:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@NAPSTER:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@NAPSTER:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

- **LINE2TXT**

[GET Command]

@NAPSTER:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@NAPSTER:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

[Back To Index](#)

- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NAPSTER:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NAPSTER:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@NAPSTER:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@NAPSTER:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@NAPSTER:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NAPSTER:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PC

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE6ATTRIB

LINE7TXT

LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: PC

- **AVAIL**

[GET Command]

@PC:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@PC:REPEAT=Parameter

[GET Command]

@PC:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@PC:SHUFFLE=Parameter

[GET Command]

@PC:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@PC:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@PC:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@PC:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@PC:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@PC:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@PC:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@PC:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@PC:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@PC:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 8

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @PC:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @PC:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PC:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@PC:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@PC:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@PC:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@PC:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@PC:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@PC:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@PC:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@PC:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@PC:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@PC:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

- **LINE5TXT**

[GET Command]

@PC:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@PC:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@PC:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@PC:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@PC:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@PC:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@PC:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@PC:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@PC:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PC:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NETRADIO

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE6ATTRIB

LINE7TXT

LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

STATION

BOOKMARK

Command Details of SubUnit: NETRADIO

- **AVAIL**

[GET Command]

@NETRADIO:AVAIL=?

Retrieving the state of network link or the validity of NET RADIO operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@NETRADIO:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@NETRADIO:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@NETRADIO:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• **PLAYBACKINFO**

[GET Command]

@NETRADIO:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NETRADIO:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:STATION" Only (XXXX = SubUnit name)

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• **STATION**

[GET Command]

@NETRADIO:STATION=?

Retrieving Station Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LISTSEL**

[PUT Command]

@NETRADIO:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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• **LISTCURSOR**

[PUT Command]

@NETRADIO:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTPAGE**

[PUT Command]

@NETRADIO:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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• BOOKMARK

[PUT Command]

@NETRADIO:BOOKMARK=Parameter

Operating the Bookmark

[Parameters]

Off

PUT Only: Bookmark Off the current playback station

On

PUT Only: Bookmark On the current playback station

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• LISTINFO

[GET Command]

@NETRADIO:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@NETRADIO:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@NETRADIO:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• LINE2TXT

[GET Command]

@NETRADIO:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• LINE2ATRIB

[GET Command]

@NETRADIO:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NETRADIO:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NETRADIO:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NETRADIO:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NETRADIO:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NETRADIO:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@NETRADIO:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

- [GET Command]**

- @NETRADIO:LINE6TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE6ATRIB**

- [GET Command]**

- @NETRADIO:LINE6ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE7TXT**

- [GET Command]**

- @NETRADIO:LINE7TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE7ATRIB**

- [GET Command]**

- @NETRADIO:LINE7ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE8TXT**

- [GET Command]**

- @NETRADIO:LINE8TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE8ATRIB**

- [GET Command]**

- @NETRADIO:LINE8ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **CURRLINE**

- [GET Command]**

@NETRADIO:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NETRADIO:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : USB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date: \$

\$Revision: \$

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4. Others

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SHUFFLE

Command Details of SubUnit: USB

- **AVAIL**

[GET Command]

@USB:AVAIL=?

Retrieving the connection state of USB (device) or the validity of USB operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@USB:REPEAT=Parameter

[GET Command]

@USB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@USB:SHUFFLE=Parameter

[GET Command]

@USB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@USB:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@USB:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@USB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@USB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@USB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@USB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ALBUM**

[GET Command]

@USB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@USB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@USB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @USB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @USB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @USB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available*

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- **LISTLAYER**

- [GET Command]**

- @USB:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

- **LISTLAYERNAME**

[GET Command]

@USB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@USB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@USB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@USB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE2ATRIB**

[GET Command]

@USB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@USB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@USB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **CURRLINE**

[GET Command]

@USB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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• **MAXLINE**

[GET Command]

@USB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : IPODUSB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-V871

Product Region: USA

\$Date: \$

\$Revision: \$

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MAXLINE

4. Others

AVAIL

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SHUFFLE

ARTIST

Command Details of SubUnit: IPODUSB

- **AVAIL**

[GET Command]

@IPODUSB:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPODUSB:MODE=*Parameter*

[GET Command]

@IPODUSB:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPODUSB:REPEAT=*Parameter*

[GET Command]

@IPODUSB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPODUSB:SHUFFLE=Parameter

[GET Command]

@IPODUSB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPODUSB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPODUSB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPODUSB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPODUSB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPODUSB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPODUSB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPODUSB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPODUSB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPODUSB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPODUSB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPODUSB:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPODUSB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPODUSB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPODUSB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPODUSB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPODUSB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPODUSB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPODUSB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPODUSB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPODUSB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPODUSB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPODUSB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPODUSB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPODUSB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPODUSB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@IPODUSB:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@IPODUSB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPODUSB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : SYS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date: \$

\$Revision: \$

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SPPATTERN1CENTCNFG
SPPATTERN1SURCNFG
SPPATTERN1SURBCNFG
SPPATTERN1FRNTPRES
SPPATTERN1SWFR1CNFG
SPPATTERN1SWFR1PHASE
SPPATTERN1EXBASS
SPPATTERN1SWFRCRSOVR
DMCCONTROL
YNCAPORT
TRIG1MANUAL
TRIG1TYPE
TRIG1ZONE
MEMGRD
REMOTECODE

Command Details of SubUnit: SYS

- **MODELNAME**

[GET Command]

@SYS:MODELNAME=?

Retrieving Model Name

[Parameters]

Character Code: Ascii, Variable Length (1 to 16 characters)

GET Only

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• VERSION

[GET Command]

@SYS:VERSION=?

Retrieving the version of software.

[Parameters]

Character Code: Ascii, Fixed 9 characters

GET Only

Value string is in a format of "x.xx/y.yy"; x.xx = System Version, y.yy = Command Protocol Version.

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• INPNAME

[GET Command]

@SYS:INPNAME=?

Retrieving each input's renamed info at a time.

Each response command forms like @SYS:INPNAMExxxx=XXXX (xxxx: Default Input Name, XXXX: Renamed Info)

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• INPNAMEHDMI1

[GET Command]

@SYS:INPNAMEHDMI1=?

Retrieving renamed info of HDMI1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEHDMI2

[GET Command]

@SYS:INPNAMEHDMI2=?

Retrieving renamed info of HDMI2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEHDMI3

[GET Command]

@SYS:INPNAMEHDMI3=?

Retrieving renamed info of HDMI3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEHDMI4**

[GET Command]

@SYS:INPNAMEHDMI4=?

Retrieving renamed info of HDMI4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEHDMI5**

[GET Command]

@SYS:INPNAMEHDMI5=?

Retrieving renamed info of HDMI5

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEHDMI6**

[GET Command]

@SYS:INPNAMEHDMI6=?

Retrieving renamed info of HDMI6

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEHDMI7**

[GET Command]

@SYS:INPNAMEHDMI7=?

Retrieving renamed info of HDMI7

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEAV1**

[GET Command]

@SYS:INPNAMEAV1=?

Retrieving renamed info of AV1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV2**

[GET Command]

@SYS:INPNAMEAV2=?

Retrieving renamed info of AV2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV3**

[GET Command]

@SYS:INPNAMEAV3=?

Retrieving renamed info of AV3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV4**

[GET Command]

@SYS:INPNAMEAV4=?

Retrieving renamed info of AV4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV5**

[GET Command]

@SYS:INPNAMEAV5=?

Retrieving renamed info of AV5

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV6**

[GET Command]

@SYS:INPNAMEAV6=?

Retrieving renamed info of AV6

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEVAUX**

[GET Command]

@SYS:INPNAMEVAUX=?

Retrieving renamed info of VAUX

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAUDIO1**

[GET Command]

@SYS:INPNAMEAUDIO1=?

Retrieving renamed info of AUDIO1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAUDIO2**

[GET Command]

@SYS:INPNAMEAUDIO2=?

Retrieving renamed info of AUDIO2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEDOCK**

[GET Command]

@SYS:INPNAMEDOCK=?

Retrieving renamed info of DOCK

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEUSB**

[GET Command]

@SYS:INPNAMEUSB=?

Retrieving renamed info of USB

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **PWR**

[PUT Command]

@SYS:PWR=*Parameter*

[GET Command]

@SYS:PWR=?

Operating & retrieving All Zones power state.

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

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• PARTY

[PUT Command]

@SYS:PARTY=*Parameter*

[GET Command]

@SYS:PARTY=?

Operating & retrieving Party Mode state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

On

PUT: turning its state to On / GET: indicating On status.

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• PARTYVOL

[PUT Command]

@SYS:PARTYVOL=*Parameter*

Operating Party Mode Volume

[Parameters]

Down

PUT Only: decrementing the volume by 1 step

Up

PUT Only: incrementing the volume by 1 step

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• PARTYMUTE

[PUT Command]

@SYS:PARTYMUTE=*Parameter*

Operating Party Mode Muting state

[Parameters]

Off

PUT Only: un-muting Party Mode

On

PUT Only: muting Party Mode

[Back To Index](#)

- **VIDANLGCONV**

[PUT Command]

@SYS:VIDANLGCONV=Parameter

[GET Command]

@SYS:VIDANLGCONV=?

Operating & retrieving Analog Video Conversion setting state.

[Parameters]

Off

PUT: setting to Off / GET: indicating Off status.

On

PUT: setting to On / GET: indicating On status.

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- **SPPATTERN1AMP**

[PUT Command]

@SYS:SPPATTERN1AMP=Parameter

[GET Command]

@SYS:SPPATTERN1AMP=?

Operating & retrieving Amp Assign setting state for Speaker Pattern1.

[Parameters]

Basic

PUT: setting to Basic / GET: indicating its setting at Basic.

7ch +1ZONE

PUT: setting to 7ch +1ZONE / GET: indicating its setting at 7ch +1ZONE.

5ch BI-AMP

PUT: setting to 5ch BI-AMP / GET: indicating its setting at 5ch BI-AMP.

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- **SPPATTERN1FRNTCNFG**

[PUT Command]

@SYS:SPPATTERN1FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTCNFG=?

Operating & retrieving Front Ch Configuration setting state for Speaker Pattern1.

[Parameters]

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1CENTCNFG**

[PUT Command]

@SYS:SPPATTERN1CENTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1CENTCNFG=?

Operating & retrieving Center Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1SURCNFG**

[PUT Command]

@SYS:SPPATTERN1SURCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURCNFG=?

Operating & retrieving Surround Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1SURBCNFG**

[PUT Command]

@SYS:SPPATTERN1SURBCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURBCNFG=?

Operating & retrieving Surround Back Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small x1

PUT: setting to Small x1 / GET: indicating its setting at Small x1.

Large x1

PUT: setting to Large x1 / GET: indicating its setting at Large x1.

Small x2

PUT: setting to Small x2 / GET: indicating its setting at Small x2.

Large x2

PUT: setting to Large x2 / GET: indicating its setting at Large x2.

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• **SPPATTERN1FRNTPRES**

[PUT Command]

@SYS:SPPATTERN1FRNTPRES=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTPRES=?

Operating & retrieving Front Presence Ch setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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• **SPPATTERN1SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN1SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1CNFG=?

Operating & retrieving Subwoofer1 Configuration state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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• **SPPATTERN1SWFR1PHASE**

[PUT Command]

@SYS:SPPATTERN1SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1PHASE=?

Operating & retrieving Subwoofer1 Phase setting state for Speaker Pattern1.

[Parameters]

Normal

PUT: setting to Normal / GET: indicating its setting at Normal.

Reverse

PUT: setting to Reverse / GET: indicating its setting at Reverse.

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• SPPATTERN1EXBASS

[PUT Command]

@SYS:SPPATTERN1EXBASS=*Parameter*

[GET Command]

@SYS:SPPATTERN1EXBASS=?

Operating & retrieving Extra Bass Setting state for Speaker Pattern1.

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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• SPPATTERN1SWFRCRSOVR

[PUT Command]

@SYS:SPPATTERN1SWFRCRSOVR=*Parameter*

[GET Command]

@SYS:SPPATTERN1SWFRCRSOVR=?

Operating & retrieving Subwoofer Crossover Frequency Setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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- **DMCCONTROL**

- [PUT Command]**

- @SYS:DMCCONTROL=Parameter*

- [GET Command]**

- @SYS:DMCCONTROL=?*

- Operating & retrieving DMC Control Setting state

- Initial Auto Feedback is Available*

- [Parameters]**

- Disable*

- PUT: setting to Disable / GET: indicating its setting at Disable.

- Enable*

- PUT: setting to Enable / GET: indicating its setting at Enable.

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- **YNCAPORT**

- [PUT Command]**

- @SYS:YNCAPORT=Parameter*

- [GET Command]**

- @SYS:YNCAPORT=?*

- Operating & retrieving TCP Port Setting state for YNCA commands.

- [Parameters]**

- Numerical Number: 50000 to 65535, Step: 1*

- PUT: setting to the specified number. / GET: indicating its setting with the retrieved value. The Default value is 50000.

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- **TRIG1MANUAL**

- [PUT Command]**

- @SYS:TRIG1MANUAL=Parameter*

- [GET Command]**

- @SYS:TRIG1MANUAL=?*

- Operating & retrieving Manual Operating state for Trigger Out 1.

- [Parameters]**

Lo

PUT: turning its state to Lo / GET: indicating its status at Lo.

Hi

PUT: turning its state to Hi / GET: indicating its status at Hi.

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- **TRIG1TYPE**

[PUT Command]

@SYS:TRIG1TYPE=Parameter

[GET Command]

@SYS:TRIG1TYPE=?

Operating & retrieving Trigger Type Setting state for Trigger Out 1.

[Parameters]

Manual

PUT: setting to Manual / GET: indicating its setting at Manual.

Power

PUT: setting to Power / GET: indicating its setting at Power.

Zone and Input

PUT: setting to Zone and Input / GET: indicating its setting at Zone and Input.

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- **TRIG1ZONE**

[PUT Command]

@SYS:TRIG1ZONE=Parameter

[GET Command]

@SYS:TRIG1ZONE=?

Operating & retrieving Zone Setting state of Trigger Type "Zone and Input" for Trigger Out 1.

[Parameters]

Main Zone

PUT: setting to Main Zone / GET: indicating its setting at Main Zone.

Zone2

PUT: setting to Zone2 / GET: indicating its setting at Zone2.

All

PUT: setting to All / GET: indicating its setting at All.

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- **TRIG1INPSIRIUS**

[PUT Command]

@SYS:TRIG1INPSIRIUS=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUS=?

Operating & retrieving the setting state for Input of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Lo

PUT: setting to Lo / GET: indicating its setting at Lo.

Hi

PUT: setting to Hi / GET: indicating its setting at Hi.

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• TRIG1INPTUNER

[PUT Command]

@SYS:TRIG1INPTUNER=Parameter

[GET Command]

@SYS:TRIG1INPTUNER=?

Operating & retrieving the setting state for Input TUNER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI1

[PUT Command]

@SYS:TRIG1INPHDMI1=Parameter

[GET Command]

@SYS:TRIG1INPHDMI1=?

Operating & retrieving the setting state for Input HDMI1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI2

[PUT Command]

@SYS:TRIG1INPHDMI2=Parameter

[GET Command]

@SYS:TRIG1INPHDMI2=?

Operating & retrieving the setting state for Input HDMI2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI3

[PUT Command]

@SYS:TRIG1INPHDMI3=Parameter

[GET Command]

@SYS:TRIG1INPHDMI3=?

Operating & retrieving the setting state for Input HDMI3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI4

[PUT Command]

@SYS:TRIG1INPHDMI4=Parameter

[GET Command]

@SYS:TRIG1INPHDMI4=?

Operating & retrieving the setting state for Input HDMI4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI5

[PUT Command]

@SYS:TRIG1INPHDMI5=Parameter

[GET Command]

@SYS:TRIG1INPHDMI5=?

Operating & retrieving the setting state for Input HDMI5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI6

[PUT Command]

@SYS:TRIG1INPHDMI6=Parameter

[GET Command]

@SYS:TRIG1INPHDMI6=?

Operating & retrieving the setting state for Input HDMI6 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPHDMI7

[PUT Command]

@SYS:TRIG1INPHDMI7=Parameter

[GET Command]

@SYS:TRIG1INPHDMI7=?

Operating & retrieving the setting state for Input HDMI7 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV1**

[PUT Command]

@SYS:TRIG1INPAV1=Parameter

[GET Command]

@SYS:TRIG1INPAV1=?

Operating & retrieving the setting state for Input AV1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV2**

[PUT Command]

@SYS:TRIG1INPAV2=Parameter

[GET Command]

@SYS:TRIG1INPAV2=?

Operating & retrieving the setting state for Input AV2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV3**

[PUT Command]

@SYS:TRIG1INPAV3=Parameter

[GET Command]

@SYS:TRIG1INPAV3=?

Operating & retrieving the setting state for Input AV3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV4**

[PUT Command]

@SYS:TRIG1INPAV4=Parameter

[GET Command]

@SYS:TRIG1INPAV4=?

Operating & retrieving the setting state for Input AV4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV5**

[PUT Command]

@SYS:TRIG1INPAV5=Parameter

[GET Command]

@SYS:TRIG1INPAV5=?

Operating & retrieving the setting state for Input AV5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAV6

[PUT Command]

@SYS:TRIG1INPAV6=Parameter

[GET Command]

@SYS:TRIG1INPAV6=?

Operating & retrieving the setting state for Input AV6 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPVAUX

[PUT Command]

@SYS:TRIG1INPVAUX=Parameter

[GET Command]

@SYS:TRIG1INPVAUX=?

Operating & retrieving the setting state for Input VAUX of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAUDIO1

[PUT Command]

@SYS:TRIG1INPAUDIO1=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO1=?

Operating & retrieving the setting state for Input AUDIO1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAUDIO2

[PUT Command]

@SYS:TRIG1INPAUDIO2=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO2=?

Operating & retrieving the setting state for Input AUDIO2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPDOCK

[PUT Command]

@SYS:TRIG1INPDOCK=Parameter

[GET Command]

@SYS:TRIG1INPDOCK=?

Operating & retrieving the setting state for Input DOCK of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPIPOD

[PUT Command]

@SYS:TRIG1INPIPOD=Parameter

[GET Command]

@SYS:TRIG1INPIPOD=?

Operating & retrieving the setting state for Input IPOD of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPBT

[PUT Command]

@SYS:TRIG1INPBT=Parameter

[GET Command]

@SYS:TRIG1INPBT=?

Operating & retrieving the setting state for Input BT of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPUAW

[PUT Command]

@SYS:TRIG1INPUAW=Parameter

[GET Command]

@SYS:TRIG1INPUAW=?

Operating & retrieving the setting state for Input UAW of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPNET**

- [PUT Command]**

- @SYS:TRIG1INPNET=Parameter*

- [GET Command]**

- @SYS:TRIG1INPNET=?*

- Operating & retrieving the setting state for Input NET of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPRHAPSODY**

- [PUT Command]**

- @SYS:TRIG1INPRHAPSODY=Parameter*

- [GET Command]**

- @SYS:TRIG1INPRHAPSODY=?*

- Operating & retrieving the setting state for Input RHAPSODY of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPSIRIUSIR**

- [PUT Command]**

- @SYS:TRIG1INPSIRIUSIR=Parameter*

- [GET Command]**

- @SYS:TRIG1INPSIRIUSIR=?*

- Operating & retrieving the setting state for Input SIRIUSIR of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPPANDORA**

- [PUT Command]**

- @SYS:TRIG1INPPANDORA=Parameter*

- [GET Command]**

- @SYS:TRIG1INPPANDORA=?*

- Operating & retrieving the setting state for Input PANDORA of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPNAPSTER**

- [PUT Command]**

@SYS:TRIG1INPNAPSTER=Parameter

[GET Command]

@SYS:TRIG1INPNAPSTER=?

Operating & retrieving the setting state for Input NAPSTER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPPC**

[PUT Command]

@SYS:TRIG1INPPC=Parameter

[GET Command]

@SYS:TRIG1INPPC=?

Operating & retrieving the setting state for Input PC of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPNETRADIO**

[PUT Command]

@SYS:TRIG1INPNETRADIO=Parameter

[GET Command]

@SYS:TRIG1INPNETRADIO=?

Operating & retrieving the setting state for Input NETRADIO of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPUSB**

[PUT Command]

@SYS:TRIG1INPUSB=Parameter

[GET Command]

@SYS:TRIG1INPUSB=?

Operating & retrieving the setting state for Input USB of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPIPODUSB**

[PUT Command]

@SYS:TRIG1INPIPODUSB=Parameter

[GET Command]

@SYS:TRIG1INPIPODUSB=?

Operating & retrieving the setting state for Input IPODUSB of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIGIINPSIRIUS](#)

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- **MEMGRD**

[PUT Command]

@SYS:MEMGRD=Parameter

[GET Command]

@SYS:MEMGRD=?

Operating & retrieving Memory Guard Setting state

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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- **REMOTECODE**

[PUT Command]

@SYS:REMOTECODE=Parameter

Operation by specifying IR command codes.

[Parameters]

Character Code: Hex, Fixed 8 characters

PUT Only: 8-digit ASCII (Hex) IR codes are to be specified for its value. See the IR command chart separately provided. [\[Link To the IR Code File\]](#)

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Sub Unit : MAIN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: MAIN

- **AVAIL**

[GET Command]

@MAIN:AVAIL=?

Retrieving the validity of Main Zone operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **ZONENAME**

[PUT Command]

@MAIN:ZONENAME=Parameter

[GET Command]

@MAIN:ZONENAME=?

Setting & retrieving renamed info of Main Zone

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

PUT: setting its name / GET: indicating its name

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• SCENENAME

[GET Command]

@MAIN:SCENENAME=?

Retrieving renamed info of all SCENE presets for Main Zone

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• SCENE1NAME

[GET Command]

@MAIN:SCENE1NAME=?

Retrieving renamed info of SCENE1

[Parameters]

Character Code: Latin-1, Variable Length (0 to 20 characters)

GET Only

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• SCENE2NAME

[GET Command]

@MAIN:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• SCENE3NAME

[GET Command]

@MAIN:SCENE3NAME=?

Retrieving renamed info of SCENE3

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• SCENE4NAME

[GET Command]

@MAIN:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

- **BASIC**

[GET Command]

@MAIN: BASIC=?

GET Only. Main Zone basic info is retrieved at a time.

Updated by following commands: "@MAIN:PWR", "@MAIN:SLEEP", "@MAIN:VOL", "@MAIN:MUTE", "@MAIN:INP", "@MAIN:STRAIGHT", "@MAIN:ENHANCER" and "@MAIN:SOUNDPRG"

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- **PWR**

[PUT Command]

@MAIN:PWR=Parameter

[GET Command]

@MAIN:PWR=?

Operating & retrieving Power state of Main Zone

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@MAIN:SLEEP=Parameter

[GET Command]

@MAIN:SLEEP=?

Operating & retrieving Sleep setting state of Main Zone

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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- **VOL**

[PUT Command]

@MAIN:VOL=Parameter

[GET Command]

@MAIN:VOL=?

Operating & retrieving Main Zone Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **MUTE**

[PUT Command]

@MAIN:MUTE=Parameter

[GET Command]

@MAIN:MUTE=?

Operating & retrieving Main Zone muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• MAXVOL

[PUT Command]

@MAIN:MAXVOL=*Parameter*

[GET Command]

@MAIN:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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• INITVOLMODE

[PUT Command]

@MAIN:INITVOLMODE=*Parameter*

[GET Command]

@MAIN:INITVOLMODE=?

Operating & retrieving Initial Volume Mode state of Main Zone

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• INITVOLLVL

[PUT Command]

@MAIN:INITVOLLVL=*Parameter*

[GET Command]

@MAIN:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• INP

[PUT Command]

@MAIN:INP=*Parameter*

[GET Command]

@MAIN:INP=?

Operating & retrieving Main Zone Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

HDMI1

PUT: selecting input HDMI1 / GET: indicating current input is HDMI1

HDMI2

PUT: selecting input HDMI2 / GET: indicating current input is HDMI2

HDMI3

PUT: selecting input HDMI3 / GET: indicating current input is HDMI3

HDMI4

PUT: selecting input HDMI4 / GET: indicating current input is HDMI4

HDMI5

PUT: selecting input HDMI5 / GET: indicating current input is HDMI5

HDMI6

PUT: selecting input HDMI6 / GET: indicating current input is HDMI6

HDMI7

PUT: selecting input HDMI7 / GET: indicating current input is HDMI7

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT Only: selecting input USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• **DECODERSEL**

[PUT Command]

@MAIN:DECODERSEL=Parameter

[GET Command]

@MAIN:DECODERSEL=?

Operating & retrieving Decoder Select setting state

Decoder Select is for selecting an audio decoder specifically.

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Automatically selects audio decoder. Default value.

DTS

PUT: turning its setting state to DTS / GET: indicating DTS setting status.

Audio decoder is fixed to DTS

Unavailable

GET Only: indicating its setting is currently unavailable.

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• **SCENE**

[PUT Command]

@MAIN:SCENE=Parameter

Recalling Main Zone Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

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• SPBASS

[PUT Command]

@MAIN:SPBASS=Parameter

[GET Command]

@MAIN:SPBASS=?

Operating & retrieving Bass Tone Control setting state (Effective to speaker output)

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

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• SPTREBLE

[PUT Command]

@MAIN:SPTREBLE=Parameter

[GET Command]

@MAIN:SPTREBLE=?

Operating & retrieving Treble Tone Control setting state. (Effective to speaker output)

[Parameters]

Parameters are the same as [SPBASS](#)

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• PUREDIRMODE

[PUT Command]

@MAIN:PUREDIRMODE=Parameter

[GET Command]

@MAIN:PUREDIRMODE=?

Operating & retrieving Pure Direct Mode setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• ADAPTIVEDRC

[PUT Command]

@MAIN:ADAPTIVEDRC=*Parameter*

[GET Command]

@MAIN:ADAPTIVEDRC=?

Operating & retrieving Adaptive DRC setting state

Adaptive DRC is an automatic Dynamic Range Control feature.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• LIPSYNCMODE

[PUT Command]

@MAIN:LIPSYNCMODE=*Parameter*

[GET Command]

@MAIN:LIPSYNCMODE=?

Operating & retrieving Lipsync Mode setting state

[Parameters]

Manual

PUT: turning its setting state to Manual / GET: indicating Manual setting status.

About "Manual" setting of Lipsync Mode: When selecting "Manual" here, the audio delay value can be manually set. The effective setting of the audio delay value has some dependencies as follows. In case of using Analog Video Output only (no HDMI connection is active), audio delay value set by "@MAIN:ANLGOUT" command is effective. In case that HDMI OUT1 is in active connection, the value set by "@MAIN:HDMIOUT1MANUAL" command works. Else if HDMI OUT2 is the only one activated, the setting by "@MAIN:HDMIOUT2MANUAL" is enabled.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

About Lipsync Mode "Auto": Basically, Audio Delay value has 5 different settings internally according to "Video

Output State (5 Status available)". And the 5 different status of "Video Output State" is determined by the combination of two states of "Display's state of compatibility/incompatibility with Auto Lipsync feature" and "Current effective HDMI output state (on the receiver)", which means 4 status, plus a status of "Analog Video Out only in use", summing up to 5 in total. The "Auto" setting of Lipsync Mode is to dynamically change the Audio Delay value corresponding to a specific status of Video Output State. "Video Output State" can be retrieved with a command of "@MAIN:SELINFO", and you can set the effective Audio Delay value according to respective Video Output status by these commands as following;

When "@MAIN:SELINFO=Analog": the audio delay can be set by "@MAIN:ANLGOUT" command

When "@MAIN:SELINFO=HDMI1 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1OFFSET" command

When "@MAIN:SELINFO=HDMI1 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1MANUAL" command

When "@MAIN:SELINFO=HDMI2 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2OFFSET" command

When "@MAIN:SELINFO=HDMI2 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2MANUAL" command

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• LIPSYNCANLGOUT

[PUT Command]

@MAIN:LIPSYNCANLGOUT=Parameter

[GET Command]

@MAIN:LIPSYNCANLGOUT=?

Operating & retrieving Audio Delay setting state in case when the Analog Video output is only effective (no HDMI output is in use).

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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• LIPSYNCHDMIOUT1OFFSET

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=?

Operating & retrieving Audio Delay setting state in case when the Display is compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: -250 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT1MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=?

Operating & retrieving Audio Delay setting state in case when the Display is NOT compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT2OFFSET**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1OFFSET](#)

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- **LIPSYNCHDMIOUT2MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1MANUAL](#)

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- **LIPSYNCSELINFO**

[GET Command]

@MAIN:LIPSYNCSELINFO=?

Retrieving current Video Output State

[Parameters]

Analog

GET Only: indicating Analog video connection is only available (no HDMI out is in use)

HDMI1 Auto

GET Only: indicating HDMI1 output connection is effective, and the Display is compatible with Auto Lipsync feature.

HDMI1 Manual

GET Only: indicating HDMI1 output connection is effective, and the Display is NOT compatible with Auto Lipsync feature.

HDMI2 Auto

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is compatible with Auto Lipsync feature.

HDMI2 Manual

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is NOT compatible with Auto Lipsync feature.

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• LIPSYNCOFFSETINFO

[GET Command]

@MAIN:LIPSYNCOFFSETINFO=?

Retrieving the Audio Delay Offset value that is reported by the Display compatible with Auto Lipsync feature

[Parameters]

Numerical Number: 0 to 250, Step: 1

GET Only: indicating the current value.

The unit for this parameter is "ms".

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• HDMIOUT

[PUT Command]

@MAIN:HDMIOUT=Parameter

[GET Command]

@MAIN:HDMIOUT=?

Operating & retrieving HDMI Output setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off (output is disabled)/ GET: indicating Off setting status.

OUT1

PUT: turning its setting state to OUT1 (HDMI OUT2 is disabled) / GET: indicating OUT1 setting status.

OUT2

PUT: turning its setting state to OUT2 (HDMI OUT1 is disabled) / GET: indicating OUT2 setting status.

OUT1 + 2

PUT: turning its setting state to OUT1 + 2 (Both HDMI OUT1 & 2 are enabled) / GET: indicating OUT1 + 2 setting status.

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- **HDMIAUDOUTAMP**

[PUT Command]

@MAIN:HDMIAUDOUTAMP=Parameter

[GET Command]

@MAIN:HDMIAUDOUTAMP=?

Operating & retrieving HDMI Audio Output to Amp (Receiver) setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **HDMIAUDOUT1**

[PUT Command]

@MAIN:HDMIAUDOUT1=Parameter

[GET Command]

@MAIN:HDMIAUDOUT1=?

Operating & retrieving HDMI Audio Output to HDMI OUT1 setting state

[Parameters]

Parameters are the same as [HDMIAUDOUTAMP](#)

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- **HDMIAUDOUT2**

[PUT Command]

@MAIN:HDMIAUDOUT2=Parameter

[GET Command]

@MAIN:HDMIAUDOUT2=?

Operating & retrieving HDMI Audio Output to HDMI OUT2 setting state

[Parameters]

Parameters are the same as [HDMIAUDOUTAMP](#)

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- **TVAUDIN1**

[PUT Command]

@MAIN:TVAUDINI=Parameter

[GET Command]

@MAIN:TVAUDINI=?

Operating & retrieving TV Audio In: TV1 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT1.

[Parameters]

AV1

PUT: turning its setting state to AV1 / GET: indicating AV1 setting status.

AV2

PUT: turning its setting state to AV2 / GET: indicating AV2 setting status.

AV3

PUT: turning its setting state to AV3 / GET: indicating AV3 setting status.

AV4

PUT: turning its setting state to AV4 / GET: indicating AV4 setting status.

AV5

PUT: turning its setting state to AV5 / GET: indicating AV5 setting status.

AV6

PUT: turning its setting state to AV6 / GET: indicating AV6 setting status.

AUDIO1

PUT: turning its setting state to AUDIO1 / GET: indicating AUDIO1 setting status.

AUDIO2

PUT: turning its setting state to AUDIO2 / GET: indicating AUDIO2 setting status.

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• **TVAUDIN2**

[PUT Command]

@MAIN:TVAUDIN2=Parameter

[GET Command]

@MAIN:TVAUDIN2=?

Operating & retrieving TV Audio In: TV2 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT2.

[Parameters]

Parameters are the same as [TVAUDINI](#)

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• **HDMIPROCESSING**

[PUT Command]

@MAIN:HDMIPROCESSING=Parameter

[GET Command]

@MAIN:HDMIPROCESSING=?

Operating & retrieving HDMI Video Processing setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• HDMIASPECT

[PUT Command]

@MAIN:HDMIASPECT=Parameter

[GET Command]

@MAIN:HDMIASPECT=?

Operating & retrieving HDMI Video Aspect setting state

[Parameters]

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

16:9 Normal

PUT: turning its setting state to 16:9 Normal / GET: indicating 16:9 Normal setting status.

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• HDMIRESOL

[PUT Command]

@MAIN:HDMIRESOL=Parameter

[GET Command]

@MAIN:HDMIRESOL=?

Operating & retrieving HDMI Video Resolution setting state

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

480p / 576p

PUT: turning its setting state to 480p / 576p / GET: indicating 480p / 576p setting status.

720p

PUT: turning its setting state to 720p / GET: indicating 720p setting status.

1080i

PUT: turning its setting state to 1080i / GET: indicating 1080i setting status.

1080p

PUT: turning its setting state to 1080p / GET: indicating 1080p setting status.

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

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- **HPBASS**

[PUT Command]

@MAIN:HPBASS=Parameter

[GET Command]

@MAIN:HPBASS=?

Operating & retrieving Bass Tone Control setting state for Headphone

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "dB".

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- **HPTREBLE**

[PUT Command]

@MAIN:HPTREBLE=Parameter

[GET Command]

@MAIN:HPTREBLE=?

Operating & retrieving Treble Tone Control setting state for Headphone

[Parameters]

Parameters are the same as [HPBASS](#)

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- **STRAIGHT**

[PUT Command]

@MAIN:STRAIGHT=Parameter

[GET Command]

@MAIN:STRAIGHT=?

Operating & retrieving STRAIGHT setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **ENHANCER**

[PUT Command]

@MAIN:ENHANCER=Parameter

[GET Command]

@MAIN:ENHANCER=?

Operating & retrieving ENHANCER setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• SOUNDPRG

[PUT Command]

@MAIN:SOUNDPRG=*Parameter*

[GET Command]

@MAIN:SOUNDPRG=?

Operating & retrieving DSP SOUND PROGRAM setting state

Initial Auto Feedback is Available

[Parameters]

Hall in Munich

PUT: turning its setting state to Hall in Munich / GET: indicating Hall in Munich setting status.

Hall in Vienna

PUT: turning its setting state to Hall in Vienna / GET: indicating Hall in Vienna setting status.

Chamber

PUT: turning its setting state to Chamber / GET: indicating Chamber setting status.

Cellar Club

PUT: turning its setting state to Cellar Club / GET: indicating Cellar Club setting status.

The Roxy Theatre

PUT: turning its setting state to The Roxy Theatre / GET: indicating The Roxy Theatre setting status.

The Bottom Line

PUT: turning its setting state to The Bottom Line / GET: indicating The Bottom Line setting status.

Sports

PUT: turning its setting state to Sports / GET: indicating Sports setting status.

Action Game

PUT: turning its setting state to Action Game / GET: indicating Action Game setting status.

Roleplaying Game

PUT: turning its setting state to Roleplaying Game / GET: indicating Roleplaying Game setting status.

Music Video

PUT: turning its setting state to Music Video / GET: indicating Music Video setting status.

Standard

PUT: turning its setting state to Standard / GET: indicating Standard setting status.

Spectacle

PUT: turning its setting state to Spectacle / GET: indicating Spectacle setting status.

Sci-Fi

PUT: turning its setting state to Sci-Fi / GET: indicating Sci-Fi setting status.

Adventure

PUT: turning its setting state to Adventure / GET: indicating Adventure setting status.

Drama

PUT: turning its setting state to Drama / GET: indicating Drama setting status.

Mono Movie

PUT: turning its setting state to Mono Movie / GET: indicating Mono Movie setting status.

2ch Stereo

PUT: turning its setting state to 2ch Stereo / GET: indicating 2ch Stereo setting status.

7ch Stereo

PUT: turning its setting state to 7ch Stereo / GET: indicating 7ch Stereo setting status.

Surround Decoder

PUT: turning its setting state to Surround Decoder / GET: indicating Surround Decoder setting status.

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• **ADAPTIVEDSP**

[PUT Command]

@MAIN:ADAPTIVEDSP=Parameter

[GET Command]

@MAIN:ADAPTIVEDSP=?

Operating & retrieving Adaptive DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• **3DCINEMA**

[PUT Command]

@MAIN:3DCINEMA=Parameter

[GET Command]

@MAIN:3DCINEMA=?

Operating & retrieving 3D DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

- **EXSURDECODER**

[PUT Command]

@MAIN:EXSURDECODER=Parameter

[GET Command]

@MAIN:EXSURDECODER=?

Operating & retrieving Extended Surround setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

EX/ES

PUT: turning its setting state to EX/ES / GET: indicating EX/ES setting status.

- **2CHDECODER**

[PUT Command]

@MAIN:2CHDECODER=Parameter

[GET Command]

@MAIN:2CHDECODER=?

Operating & retrieving Surround Decoder setting state for 2ch audio signal

It changes to PLII or PLIIx automatically depending on other settings or status.

[Parameters]

Dolby PL

Dolby PLII Movie

PUT: turning its setting state to Dolby PLII Movie / GET: indicating Dolby PLII Movie setting status.

Dolby PLII Music

PUT: turning its setting state to Dolby PLII Music / GET: indicating Dolby PLII Music setting status.

Dolby PLII Game

PUT: turning its setting state to Dolby PLII Game / GET: indicating Dolby PLII Game setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

Dolby PLIIx Game

PUT: turning its setting state to Dolby PLIIx Game / GET: indicating Dolby PLIIx Game setting status.

DTS NEO:6 Cinema

PUT: turning its setting state to DTS NEO:6 Cinema / GET: indicating DTS NEO:6 Cinema setting status.

DTS NEO:6 Music

PUT: turning its setting state to DTS NEO:6 Music / GET: indicating DTS NEO:6 Music setting status.

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• **PLAYBACK**

[PUT Command]

@MAIN:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **LISTCURSOR**

[PUT Command]

@MAIN:LISTCURSOR=Parameter

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Left

Right

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTMENU**

[PUT Command]

@MAIN:LISTMENU=Parameter

[Parameters]

On Screen

Top Menu

Menu

Option

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Sub Unit : ZONE2

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: ZONE2

- AVAIL

[GET Command]

@ZONE2:AVAIL=?

Retrieving the validity of Zone 2 operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

- **ZONENAME**

[PUT Command]

@ZONE2:ZONENAME=Parameter

[GET Command]

@ZONE2:ZONENAME=?

Setting & retrieving renamed info of Zone 2

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

PUT: setting its name / GET: indicating its name

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- **BASIC**

[GET Command]

@ZONE2:BASIC=?

GET Only. Zone 2 basic info is retrieved at a time.

Updated by following commands: "@ZONE2:PWR", "@ZONE2:SLEEP", "@ZONE2:VOL", "@ZONE2:MUTE", and "@ZONE2:INP"

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- **PWR**

[PUT Command]

@ZONE2:PWR=Parameter

[GET Command]

@ZONE2:PWR=?

Operating & retrieving Power state of Zone 2

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@ZONE2:SLEEP=Parameter

[GET Command]

@ZONE2:SLEEP=?

Operating & retrieving Sleep setting state of Zone 2

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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• VOL

[PUT Command]

@ZONE2:VOL=Parameter

[GET Command]

@ZONE2:VOL=?

Operating & retrieving Zone 2 Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@ZONE2:MUTE=Parameter

[GET Command]

@ZONE2:MUTE=?

Operating & retrieving Zone 2 muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• MAXVOL

[PUT Command]

@ZONE2:MAXVOL=Parameter

[GET Command]

@ZONE2:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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- **INITVOLMODE**

[PUT Command]

@ZONE2:INITVOLMODE=Parameter

[GET Command]

@ZONE2:INITVOLMODE=?

Operating & retrieving Initial Volume Mode setting state of Zone 2

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@ZONE2:INITVOLLVL=Parameter

[GET Command]

@ZONE2:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **INP**

[PUT Command]

@ZONE2:INP=*Parameter*

[GET Command]

@ZONE2:INP=?

Operating & retrieving Zone 2 Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT: selecting input USB / GET: indicating current input is USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• **PLAYBACK**

[PUT Command]

@ZONE2:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : TUN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: TUN

• AVAIL

[GET Command]

@TUN:AVAIL=?

Retrieving the validity of Tuner operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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• SEARCHMODE

[PUT Command]

@TUN:SEARCHMODE=Parameter

[GET Command]

@TUN:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

Tuning

PUT: selecting Tuning search mode / GET: indicating current search mode is Tuning

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• PRESET

[PUT Command]

@TUN:PRESET=Parameter

[GET Command]

@TUN:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available preset number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available preset number to the current one in the way of smaller number to larger.

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• MEM

[PUT Command]

@TUN:MEM=Parameter

Registering current frequency to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **FMFREQ**

[PUT Command]

@TUN:FMFREQ=Parameter

[GET Command]

@TUN:FMFREQ=?

Operating & retrieving FM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no FM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 87.50 to 107.90, Step: 0.20

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "MHz".

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- **AMFREQ**

[PUT Command]

@TUN:AMFREQ=Parameter

[GET Command]

@TUN:AMFREQ=?

Operating & retrieving AM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no AM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 530 to 1710, Step: 10

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "kHz".

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• BAND

[PUT Command]

@TUN:BAND=Parameter

[GET Command]

@TUN:BAND=?

Operating & retrieving the Frequency Band type

Initial Auto Feedback is Available

[Parameters]

FM

PUT: selecting FM / GET: indicating current band type is FM

AM

PUT: selecting AM / GET: indicating current band type is AM

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• FMMODE

[PUT Command]

@TUN:FMMODE=Parameter

[GET Command]

@TUN:FMMODE=?

Operating & retrieving FM playback mode

Initial Auto Feedback is Available

[Parameters]

Auto

PUT: selecting Auto mode. / GET: indicating Auto mode

This is a mode that automatically mutes the sound when no stereo reception is available.

Mono

PUT: selecting Mono mode. / GET: indicating Mono mode

This is a mode to force the reception to be monaural (used when the reception is weak and easily gets muted).

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• **SIGINFO**

[GET Command]

@TUN:SIGINFO=?

GET Only. Tuner signal status can be retrieved at a time.

Updated by following commands: "@TUN:TUNED" and "@TUN:SIGSTEREOMONO"

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• **TUNED**

[GET Command]

@TUN:TUNED=?

Retrieving the tuning status

Initial Auto Feedback is Available

[Parameters]

Negate

GET Only: indicating untuned status

Assert

GET Only: indicating tuned to a station

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• **SIGSTEREOMONO**

[GET Command]

@TUN:SIGSTEREOMONO=?

Retrieving whether the playback signal is mono or stereo.

Initial Auto Feedback is Available

Negate means now playing monaural signal or not tuned. Assert means now playing Stereo signal.

[Parameters]

*Parameters are the same as **TUNED***

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Sub Unit : SIRIUS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date: \$

\$Revision: \$

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CHNAME

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SONG

COMPOSER

PLOCK

Command Details of SubUnit: SIRIUS

- AVAIL

[GET Command]

@SIRIUS:AVAIL=?

Retrieving the connection state of SiriusConnect tuner (adapter) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the adapter is not connected.

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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- **SEARCHMODE**

[PUT Command]

@SIRIUS:SEARCHMODE=Parameter

[GET Command]

@SIRIUS:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

All Ch

PUT: selecting All Ch search mode / GET: indicating current search mode is All Ch

Category

PUT: selecting Category search mode / GET: indicating current search mode is Category

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

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- **PRESET**

[PUT Command]

@SIRIUS:PRESET=Parameter

[GET Command]

@SIRIUS:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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- **MEM**

[PUT Command]

@SIRIUS:MEM=*Parameter*

Registering current channel to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• CATSEL

[PUT Command]

@SIRIUS:CATSEL=*Parameter*

Operating Category selection.

[Parameters]

Down

PUT Only: selecting in the reverse order

Up

PUT Only: selecting in order

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• CHSEL

[PUT Command]

@SIRIUS:CHSEL=*Parameter*

[GET Command]

@SIRIUS:CHSEL=?

Operating & retrieving Channel Number selection

[Parameters]

Numerical Number: 0 to 223, Step: 1

PUT: changing to the specified number. / GET: indicating current selection

255

PUT: doing nothing / GET: indicating "not connected to the adapter" or "no station is received"

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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• SIGINFO

[GET Command]

@SIRIUS:SIGINFO=?

GET Only. Signal status can be retrieved at a time.

Updated by following command: "@SIRIUS:ANTLVL" only

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- **ANTLVL**

[GET Command]

@SIRIUS:ANTLVL=?

Retrieving the signal strength state at the antenna.

Initial Auto Feedback is Available

[Parameters]

No Signal

GET Only: indicating its status is No Signal

Weak

GET Only: indicating its status is Weak

Good

GET Only: indicating its status is Good

Excellent

GET Only: indicating its status is Excellent

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- **METAINFO**

[GET Command]

@SIRIUS:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@SIRIUS:CATNAME", "@SIRIUS:CHNUM", "@SIRIUS:CHNAME", "@SIRIUS:ARTIST", "@SIRIUS:SONG" and "@SIRIUS:COMPOSER"

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- **CATNAME**

[GET Command]

@SIRIUS:CATNAME=?

Retrieving Category Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Latin-1, Variable Length (0 to 16 characters)

GET Only

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- **CHNUM**

[GET Command]

@SIRIUS:CHNUM=?

Retrieving Channel Number

Initial Auto Feedback is Available

[Parameters]

Numerical Number: 0 to 255, Step: 1

GET Only

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• CHNAME

[GET Command]

@SIRIUS:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ARTIST

[GET Command]

@SIRIUS:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• SONG

[GET Command]

@SIRIUS:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• COMPOSER

[GET Command]

@SIRIUS:COMPOSER=?

Retrieving Composer Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **PLOCK**

[GET Command]

@SIRIUS:PLOCK=?

Retrieving the state of Parental Lock

Initial Auto Feedback is Available

[Parameters]

Locked

GET Only: indicating its status is Locked

Unlocked

GET Only: indicating its status is Unlocked

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Sub Unit : IPOD

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date: \$

\$Revision: \$

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ARTIST

Command Details of SubUnit: IPOD

- **AVAIL**

[GET Command]

@IPOD:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPOD:MODE=Parameter

[GET Command]

@IPOD:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPOD:REPEAT=Parameter

[GET Command]

@IPOD:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPOD:SHUFFLE=Parameter

[GET Command]

@IPOD:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPOD:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPOD:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPOD:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPOD:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPOD:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPOD:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPOD:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPOD:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPOD:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPOD:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

- Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPOD:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPOD:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPOD:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPOD:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPOD:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPOD:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPOD:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPOD:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

[Back To Index](#)

- **LINE8TXT**

[GET Command]

@IPOD:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@IPOD:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@IPOD:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPOD:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : BT

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date:: \$

\$Revision: \$

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2. Play Control

[PLAYBACK](#)

3. Others

[AVAIL](#)

[PAIRING](#)

[CONNECT](#)

Command Details of SubUnit: BT

• AVAIL

[GET Command]

@BT:AVAIL=?

Retrieving the connection state of Bluetooth (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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• PAIRING

[PUT Command]

@BT:PAIRING=Parameter

Operating the setting state of Pariring

[Parameters]

Start

PUT Only: changing its state to Start

Cancel

PUT Only: changing its state to Cancel

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- **CONNECT**

- [PUT Command]**

- @BT:CONNECT=Parameter*

- Operating the connection state

- [Parameters]**

- Disconnect*

- PUT Only: changing its state to Disconnect

- Connect*

- PUT Only: changing its state to Connect

[Back To Index](#)

- **CONNECTINFO**

- [GET Command]**

- @BT:CONNECTINFO=?*

- [Parameters]**

- Disconnected*

- Connected*

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- **PLAYBACK**

- [PUT Command]**

- @BT:PLAYBACK=Parameter*

- Operating the playback state

- [Parameters]**

- Stop*

- PUT Only: change its state to Stop

- Pause*

- PUT Only: change its state to Pause

- Play*

- PUT Only: change its state to Play

- |<<*

- PUT Only: change its state to |<<

- meaning Skip Rev

- >>|*

- PUT Only: change its state to >>|

- meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : UAW

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date:: \$

\$Revision: \$

Command Index

1. Others

[AVAIL](#)

Command Details of SubUnit: UAW

- **AVAIL**

[GET Command]

@UAW:AVAIL=?

Retrieving the connection state of UAW (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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Sub Unit : RHAP

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date: \$

\$Revision: \$

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MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: RHAP

- **AVAIL**

[GET Command]

@RHAP:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@RHAP:REPEAT=Parameter

[GET Command]

@RHAP:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@RHAP:SHUFFLE=Parameter

[GET Command]

@RHAP:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@RHAP:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@RHAP:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@RHAP:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@RHAP:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@RHAP:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@RHAP:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@RHAP:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@RHAP:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@RHAP:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @RHAP:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @RHAP:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @RHAP:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@RHAP:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@RHAP:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@RHAP:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@RHAP:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

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- **LINE2TXT**

[GET Command]

@RHAP:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@RHAP:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@RHAP:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@RHAP:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@RHAP:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@RHAP:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@RHAP:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@RHAP:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@RHAP:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@RHAP:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@RHAP:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@RHAP:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@RHAP:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@RHAP:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : SIRIUSIR

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE6ATTRIB

LINE7TXT

LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

CHNAME

ARTIST

Command Details of SubUnit: SIRIUSIR

- **AVAIL**

[GET Command]

@SIRIUSIR:AVAIL=?

Retrieving the state of network link or the validity of SIRIUS Internet Radio operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@SIRIUSIR:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@SIRIUSIR:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@SIRIUSIR:PLAYBACK=*Parameter*

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• PLAYBACKINFO

[GET Command]

@SIRIUSIR:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• METAINFO

[GET Command]

@SIRIUSIR:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:CHNAME", "@XXXX:ARTIST" and "@XXXX:SONG" (XXXX = SubUnit name)

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• CHNAME

[GET Command]

@SIRIUSIR:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ARTIST**

[GET Command]

@SIRIUSIR:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **SONG**

[GET Command]

@SIRIUSIR:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **LISTSEL**

[PUT Command]

@SIRIUSIR:LISTSEL=*Parameter*

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @SIRIUSIR:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @SIRIUSIR:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @SIRIUSIR:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @SIRIUSIR:LISTLAYER=?*

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• **LISTLAYERNAME**

[GET Command]

@SIRIUSIR:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@SIRIUSIR:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

[Back To Index](#)

• **LINE1ATRIB**

[GET Command]

@SIRIUSIR:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@SIRIUSIR:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATTRIB**

[GET Command]

@SIRIUSIR:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE3TXT**

[GET Command]

@SIRIUSIR:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATTRIB**

[GET Command]

@SIRIUSIR:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE4TXT**

[GET Command]

@SIRIUSIR:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATTRIB**

[GET Command]

@SIRIUSIR:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE5TXT**

[GET Command]

@SIRIUSIR:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@SIRIUSIR:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@SIRIUSIR:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@SIRIUSIR:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@SIRIUSIR:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@SIRIUSIR:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@SIRIUSIR:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@SIRIUSIR:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@SIRIUSIR:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@SIRIUSIR:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PANDORA

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date:: \$

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4. Others

AVAIL

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FEEDBACK

Command Details of SubUnit: PANDORA

- **AVAIL**

[GET Command]

@PANDORA:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@PANDORA:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@PANDORA:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@PANDORA:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Fwd

PUT Only: change its state to Skip Fwd

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- **BOOKMARK**

[PUT Command]

@PANDORA:BOOKMARK=Parameter

[Parameters]

Song

Artist

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- **FEEDBACK**

[PUT Command]

@PANDORA:FEEDBACK=Parameter

[GET Command]

@PANDORA:FEEDBACK=?

Operating & retrieving thumbs up/down state

[Parameters]

GET Only

Thumb Down

PUT: change its state to Thumb Down / GET: indicating its state is Thumb Down

Thumb Up

PUT: change its state to Thumb Up / GET: indicating its state is Thumb Up

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- **PLAYBACKINFO**

- [GET Command]**

- @PANDORA:PLAYBACKINFO=?

- Retrieving the playback state

- Initial Auto Feedback is Available

- [Parameters]**

- Stop*

- GET Only: indicating its state is Stop

- Pause*

- GET Only: indicating its state is Pause

- Play*

- GET Only: indicating its state is Play

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- **METAINFO**

- [GET Command]**

- @PANDORA:METAINFO=?

- GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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- **SONG**

- [GET Command]**

- @PANDORA:SONG=?

- Retrieving Artist Name

- Initial Auto Feedback is Available

- [Parameters]**

- Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)*

- GET Only

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- **ALBUM**

- [GET Command]**

- @PANDORA:ALBUM=?

- Retrieving Album Title

- Initial Auto Feedback is Available

- [Parameters]**

- Parameters are the same as [SONG](#)*

- **STATION**

[GET Command]

@PANDORA:STATION=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [SONG](#)

- **LISTSEL**

[PUT Command]

@PANDORA:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

- **LISTCURSOR**

[PUT Command]

@PANDORA:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTPAGE**

- [PUT Command]**

- @PANDORA:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PANDORA:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @PANDORA:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

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- **LISTLAYERNAME**

- [GET Command]**

@PANDORA:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@PANDORA:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@PANDORA:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@PANDORA:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATRIB**

[GET Command]

@PANDORA:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATRIB**

[GET Command]

@PANDORA:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATRIB**

[GET Command]

@PANDORA:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATRIB**

[GET Command]

@PANDORA:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@PANDORA:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@PANDORA:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@PANDORA:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@PANDORA:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@PANDORA:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@PANDORA:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@PANDORA:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PANDORA:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NAPSTER

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date:: \$

\$Revision: \$

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CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: NAPSTER

- **AVAIL**

[GET Command]

@NAPSTER:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@NAPSTER:REPEAT=Parameter

[GET Command]

@NAPSTER:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@NAPSTER:SHUFFLE=Parameter

[GET Command]

@NAPSTER:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@NAPSTER:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@NAPSTER:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@NAPSTER:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

/<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@NAPSTER:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NAPSTER:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@NAPSTER:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

- **ALBUM**

[GET Command]

@NAPSTER:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **LISTSEL**

[PUT Command]

@NAPSTER:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

- **LISTCURSOR**

[PUT Command]

@NAPSTER:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

- **LISTPAGE**

[PUT Command]

@NAPSTER:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

- **LISTINFO**

[GET Command]

@NAPSTER:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@NAPSTER:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NAPSTER:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@NAPSTER:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@NAPSTER:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

- **LINE2TXT**

[GET Command]

@NAPSTER:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@NAPSTER:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NAPSTER:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NAPSTER:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@NAPSTER:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@NAPSTER:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@NAPSTER:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NAPSTER:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PC

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date: \$

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LINE6ATTRIB

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: PC

- **AVAIL**

[GET Command]

@PC:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@PC:REPEAT=Parameter

[GET Command]

@PC:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@PC:SHUFFLE=Parameter

[GET Command]

@PC:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@PC:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@PC:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@PC:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@PC:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@PC:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@PC:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@PC:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@PC:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@PC:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 8

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @PC:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @PC:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PC:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@PC:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@PC:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@PC:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@PC:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@PC:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@PC:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@PC:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@PC:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@PC:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@PC:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

- **LINE5TXT**

[GET Command]

@PC:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@PC:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@PC:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@PC:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@PC:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@PC:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@PC:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@PC:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@PC:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PC:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NETRADIO

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date: \$

\$Revision: \$

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CURRLINE

MAXLINE

4. Others

AVAIL

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BOOKMARK

Command Details of SubUnit: NETRADIO

- **AVAIL**

[GET Command]

@NETRADIO:AVAIL=?

Retrieving the state of network link or the validity of NET RADIO operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@NETRADIO:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@NETRADIO:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@NETRADIO:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• **PLAYBACKINFO**

[GET Command]

@NETRADIO:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NETRADIO:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:STATION" Only (XXXX = SubUnit name)

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• **STATION**

[GET Command]

@NETRADIO:STATION=?

Retrieving Station Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LISTSEL**

[PUT Command]

@NETRADIO:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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• **LISTCURSOR**

[PUT Command]

@NETRADIO:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTPAGE**

[PUT Command]

@NETRADIO:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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• BOOKMARK

[PUT Command]

@NETRADIO:BOOKMARK=Parameter

Operating the Bookmark

[Parameters]

Off

PUT Only: Bookmark Off the current playback station

On

PUT Only: Bookmark On the current playback station

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• LISTINFO

[GET Command]

@NETRADIO:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@NETRADIO:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@NETRADIO:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@NETRADIO:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATRIB**

[GET Command]

@NETRADIO:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NETRADIO:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NETRADIO:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NETRADIO:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NETRADIO:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NETRADIO:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@NETRADIO:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

- [GET Command]**

- @NETRADIO:LINE6TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE6ATRIB**

- [GET Command]**

- @NETRADIO:LINE6ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE7TXT**

- [GET Command]**

- @NETRADIO:LINE7TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE7ATRIB**

- [GET Command]**

- @NETRADIO:LINE7ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE8TXT**

- [GET Command]**

- @NETRADIO:LINE8TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE8ATRIB**

- [GET Command]**

- @NETRADIO:LINE8ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **CURRLINE**

- [GET Command]**

@NETRADIO:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NETRADIO:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : USB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE7TXT

LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: USB

- **AVAIL**

[GET Command]

@USB:AVAIL=?

Retrieving the connection state of USB (device) or the validity of USB operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@USB:REPEAT=Parameter

[GET Command]

@USB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@USB:SHUFFLE=Parameter

[GET Command]

@USB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@USB:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@USB:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@USB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@USB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@USB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@USB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ALBUM**

[GET Command]

@USB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@USB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@USB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @USB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @USB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @USB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available*

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- **LISTLAYER**

- [GET Command]**

- @USB:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

- **LISTLAYERNAME**

[GET Command]

@USB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@USB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@USB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@USB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE2ATRIB**

[GET Command]

@USB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@USB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@USB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **CURRLINE**

[GET Command]

@USB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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• **MAXLINE**

[GET Command]

@USB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : IPODUSB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A810

Product Region: USA

\$Date: \$

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MAXLINE

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ARTIST

Command Details of SubUnit: IPODUSB

- **AVAIL**

[GET Command]

@IPODUSB:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPODUSB:MODE=Parameter

[GET Command]

@IPODUSB:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPODUSB:REPEAT=Parameter

[GET Command]

@IPODUSB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPODUSB:SHUFFLE=Parameter

[GET Command]

@IPODUSB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPODUSB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPODUSB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPODUSB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPODUSB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPODUSB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPODUSB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPODUSB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPODUSB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPODUSB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPODUSB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPODUSB:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPODUSB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPODUSB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPODUSB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPODUSB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPODUSB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPODUSB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPODUSB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPODUSB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPODUSB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPODUSB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPODUSB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPODUSB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPODUSB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPODUSB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@IPODUSB:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@IPODUSB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPODUSB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : SYS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date:: \$

\$Revision: \$

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PARTYMUTE

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Command Details of SubUnit: SYS

- **MODELNAME**

[GET Command]

@SYS:MODELNAME=?

Retrieving Model Name

[Parameters]

Character Code: Ascii, Variable Length (1 to 16 characters)

GET Only

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- **VERSION**

[GET Command]

@SYS:VERSION=?

Retrieving the version of software.

[Parameters]

Character Code: Ascii, Fixed 9 characters

GET Only

Value string is in a format of "x.xx/y.yy"; x.xx = System Version, y.yy = Command Protocol Version.

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• INPNAME

[GET Command]

@SYS:INPNAME=?

Retrieving each input's renamed info at a time.

Each response command forms like @SYS:INPNAMExxxx=XXXX (xxxx: Default Input Name, XXXX: Renamed Info)

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• INPNAMEMULTICH

[GET Command]

@SYS:INPNAMEMULTICH=?

Retrieving renamed info of MULTICH

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

GET Only

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• INPNAMEPHONO

[GET Command]

@SYS:INPNAMEPHONO=?

Retrieving renamed info of PHONO

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV1

[GET Command]

@SYS:INPNAMEAV1=?

Retrieving renamed info of AV1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV2

[GET Command]

@SYS:INPNAMEAV2=?

Retrieving renamed info of AV2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV3

[GET Command]

@SYS:INPNAMEAV3=?

Retrieving renamed info of AV3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV4

[GET Command]

@SYS:INPNAMEAV4=?

Retrieving renamed info of AV4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV5

[GET Command]

@SYS:INPNAMEAV5=?

Retrieving renamed info of AV5

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV6

[GET Command]

@SYS:INPNAMEAV6=?

Retrieving renamed info of AV6

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAV7

[GET Command]

@SYS:INPNAMEAV7=?

Retrieving renamed info of AUDIO3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEVAUX

[GET Command]

@SYS:INPNAMEVAUX=?

Retrieving renamed info of VAUX

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAUDIO1

[GET Command]

@SYS:INPNAMEAUDIO1=?

Retrieving renamed info of AUDIO1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAUDIO2

[GET Command]

@SYS:INPNAMEAUDIO2=?

Retrieving renamed info of AUDIO2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAUDIO3

[GET Command]

@SYS:INPNAMEAUDIO3=?

Retrieving renamed info of AUDIO3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• INPNAMEAUDIO4

[GET Command]

@SYS:INPNAMEAUDIO4=?

Retrieving renamed info of AUDIO4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEDOCK**

- [GET Command]**

- @SYS:INPNAMEDOCK=?*

- Retrieving renamed info of DOCK

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEUSB**

- [GET Command]**

- @SYS:INPNAMEUSB=?*

- Retrieving renamed info of USB

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **PWR**

- [PUT Command]**

- @SYS:PWR=Parameter*

- [GET Command]**

- @SYS:PWR=?*

- Operating & retrieving All Zones power state.

- Initial Auto Feedback is Available*

- [Parameters]**

- Standby*

- PUT: turning its state to Standby / GET: indicating Standby status.

- On*

- PUT: turning its state to On / GET: indicating On status.

[Back To Index](#)

- **PARTY**

- [PUT Command]**

- @SYS:PARTY=Parameter*

- [GET Command]**

- @SYS:PARTY=?*

- Operating & retrieving Party Mode state

- Initial Auto Feedback is Available*

- [Parameters]**

- Off*

- PUT: turning its state to Off / GET: indicating Off status.

- On*

PUT: turning its state to On / GET: indicating On status.

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- **PARTYVOL**

[PUT Command]

@SYS:PARTYVOL=Parameter

Operating Party Mode Volume

[Parameters]

Down

PUT Only: decrementing the volume by 1 step

Up

PUT Only: incrementing the volume by 1 step

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- **PARTYMUTE**

[PUT Command]

@SYS:PARTYMUTE=Parameter

Operating Party Mode Muting state

[Parameters]

Off

PUT Only: un-muting Party Mode

On

PUT Only: muting Party Mode

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- **VIDANLGCONV**

[PUT Command]

@SYS:VIDANLGCONV=Parameter

[GET Command]

@SYS:VIDANLGCONV=?

Operating & retrieving Analog Video Conversion setting state.

[Parameters]

Off

PUT: setting to Off / GET: indicating Off status.

On

PUT: setting to On / GET: indicating On status.

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- **SPPATTERN**

[PUT Command]

@SYS:SPPATTERN=Parameter

[GET Command]

@SYS:SPPATTERN=?

Operating & retrieving Speaker Pattern setting state.

[Parameters]

Pattern 1

PUT: setting to Pattern1 / GET: indicating its setting at Pattern1.

Pattern 2

PUT: setting to Pattern2 / GET: indicating its setting at Pattern2.

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• SPPATTERN1AMP

[PUT Command]

@SYS:SPPATTERN1AMP=*Parameter*

[GET Command]

@SYS:SPPATTERN1AMP=?

Operating & retrieving Amp Assign setting state for Speaker Pattern1.

[Parameters]

Basic

PUT: setting to Basic / GET: indicating its setting at Basic.

7ch +1ZONE

PUT: setting to 7ch +1ZONE / GET: indicating its setting at 7ch +1ZONE.

5ch BI-AMP

PUT: setting to 5ch BI-AMP / GET: indicating its setting at 5ch BI-AMP.

5ch BI-AMP +SB

PUT: setting to 5ch BI-AMP +SB / GET: indicating its setting at 5ch BI-AMP +SB.

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• SPPATTERN1FRNTCNFG

[PUT Command]

@SYS:SPPATTERN1FRNTCNFG=*Parameter*

[GET Command]

@SYS:SPPATTERN1FRNTCNFG=?

Operating & retrieving Front Ch Configuration setting state for Speaker Pattern1.

[Parameters]

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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• SPPATTERN1CENTCNFG

[PUT Command]

@SYS:SPPATTERN1CENTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1CENTCNFG=?

Operating & retrieving Center Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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• **SPPATTERN1SURCNFG**

[PUT Command]

@SYS:SPPATTERN1SURCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURCNFG=?

Operating & retrieving Surround Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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• **SPPATTERN1SURBCNFG**

[PUT Command]

@SYS:SPPATTERN1SURBCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURBCNFG=?

Operating & retrieving Surround Back Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small x1

PUT: setting to Small x1 / GET: indicating its setting at Small x1.

Large x1

PUT: setting to Large x1 / GET: indicating its setting at Large x1.

Small x2

PUT: setting to Small x2 / GET: indicating its setting at Small x2.

Large x2

PUT: setting to Large x2 / GET: indicating its setting at Large x2.

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- **SPPATTERN1FRNTPRES**

[PUT Command]

@SYS:SPPATTERN1FRNTPRES=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTPRES=?

Operating & retrieving Front Presence Ch setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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- **SPPATTERN1SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN1SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1CNFG=?

Operating & retrieving Subwoofer1 Configuration state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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- **SPPATTERN1SWFR1PHASE**

[PUT Command]

@SYS:SPPATTERN1SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1PHASE=?

Operating & retrieving Subwoofer1 Phase setting state for Speaker Pattern1.

[Parameters]

Normal

PUT: setting to Normal / GET: indicating its setting at Normal.

Reverse

PUT: setting to Reverse / GET: indicating its setting at Reverse.

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- **SPPATTERN1EXBASS**

[PUT Command]

@SYS:SPPATTERN1EXBASS=Parameter

[GET Command]

@SYS:SPPATTERN1EXBASS=?

Operating & retrieving Extra Bass Setting state for Speaker Pattern1.

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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- **SPPATTERN1SWFRCRSOVR**

[PUT Command]

@SYS:SPPATTERN1SWFRCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1SWFRCRSOVR=?

Operating & retrieving Subwoofer Crossover Frequency Setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

- **SPPATTERN2AMP**

[PUT Command]

@SYS:SPPATTERN2AMP=Parameter

[GET Command]

@SYS:SPPATTERN2AMP=?

[Parameters]

Parameters are the same as [SPPATTERN1AMP](#)

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- **SPPATTERN2FRNTCNFG**

[PUT Command]

@SYS:SPPATTERN2FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTCNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1FRNTCNFG](#)

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- **SPPATTERN2CENTCNFG**

[PUT Command]

@SYS:SPPATTERN2CENTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2CENTCNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1CENTCNFG](#)

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- **SPPATTERN2SURCNFG**

[PUT Command]

@SYS:SPPATTERN2SURCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SURCNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SURCNFG](#)

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- **SPPATTERN2SURBCNFG**

[PUT Command]

@SYS:SPPATTERN2SURBCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SURBCNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SURBCNFG](#)

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- **SPPATTERN2FRNTPRES**

[PUT Command]

@SYS:SPPATTERN2FRNTPRES=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTPRES=?

[Parameters]

Parameters are the same as [SPPATTERN1FRNTPRES](#)

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- **SPPATTERN2SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN2SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR1CNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR1CNFG](#)

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- **SPPATTERN2SWFR1PHASE**

[PUT Command]

@SYS:SPPATTERN2SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR1PHASE=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR1PHASE](#)

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- **SPPATTERN2SWFR2CNFG**

[PUT Command]

@SYS:SPPATTERN2SWFR2CNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR2CNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR2CNFG](#)

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- **SPPATTERN2SWFR2PHASE**

[PUT Command]

@SYS:SPPATTERN2SWFR2PHASE=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR2PHASE=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR2PHASE](#)

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• SPPATTERN2EXBASS

[PUT Command]

@SYS:SPPATTERN2EXBASS=Parameter

[GET Command]

@SYS:SPPATTERN2EXBASS=?

[Parameters]

Parameters are the same as [SPPATTERN1EXBASS](#)

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• SPPATTERN2SWFRCRSOVR

[PUT Command]

@SYS:SPPATTERN2SWFRCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN2SWFRCRSOVR=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFRCRSOVR](#)

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• DMCCONTROL

[PUT Command]

@SYS:DMCCONTROL=Parameter

[GET Command]

@SYS:DMCCONTROL=?

Operating & retrieving DMC Control Setting state

Initial Auto Feedback is Available

[Parameters]

Disable

PUT: setting to Disable / GET: indicating its setting at Disable.

Enable

PUT: setting to Enable / GET: indicating its setting at Enable.

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• YNCAPORT

[PUT Command]

@SYS:YNCAPORT=Parameter

[GET Command]

@SYS:YNCAPORT=?

Operating & retrieving TCP Port Setting state for YNCA commands.

[Parameters]

Numerical Number: 50000 to 65535, Step: 1

PUT: setting to the specified number. / GET: indicating its setting with the retrieved value. The Default value is 50000.

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- **TRIG1MANUAL**

[PUT Command]

@SYS:TRIG1MANUAL=Parameter

[GET Command]

@SYS:TRIG1MANUAL=?

Operating & retrieving Manual Operating state for Trigger Out 1.

[Parameters]

Lo

PUT: turning its state to Lo / GET: indicating its status at Lo.

Hi

PUT: turning its state to Hi / GET: indicating its status at Hi.

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- **TRIG1TYPE**

[PUT Command]

@SYS:TRIG1TYPE=Parameter

[GET Command]

@SYS:TRIG1TYPE=?

Operating & retrieving Trigger Type Setting state for Trigger Out 1.

[Parameters]

Manual

PUT: setting to Manual / GET: indicating its setting at Manual.

Power

PUT: setting to Power / GET: indicating its setting at Power.

Zone and Input

PUT: setting to Zone and Input / GET: indicating its setting at Zone and Input.

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- **TRIG1ZONE**

[PUT Command]

@SYS:TRIG1ZONE=Parameter

[GET Command]

@SYS:TRIG1ZONE=?

Operating & retrieving Zone Setting state of Trigger Type "Zone and Input" for Trigger Out 1.

[Parameters]

Main Zone

PUT: setting to Main Zone / GET: indicating its setting at Main Zone.

Zone2

PUT: setting to Zone2 / GET: indicating its setting at Zone2.

All

PUT: setting to All / GET: indicating its setting at All.

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- **TRIG1INPSIRIUS**

[PUT Command]

@SYS:TRIG1INPSIRIUS=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUS=?

Operating & retrieving the setting state for Input of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Lo

PUT: setting to Lo / GET: indicating its setting at Lo.

Hi

PUT: setting to Hi / GET: indicating its setting at Hi.

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- **TRIG1INPTUNER**

[PUT Command]

@SYS:TRIG1INPTUNER=Parameter

[GET Command]

@SYS:TRIG1INPTUNER=?

Operating & retrieving the setting state for Input TUNER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPMULTICH**

[PUT Command]

@SYS:TRIG1INPMULTICH=Parameter

[GET Command]

@SYS:TRIG1INPMULTICH=?

Operating & retrieving the setting state for Input MULTICH of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPPHONO**

[PUT Command]

@SYS:TRIG1INPPHONO=Parameter

[GET Command]

@SYS:TRIG1INPPHONO=?

Operating & retrieving the setting state for Input PHONO of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV1**

[PUT Command]

@SYS:TRIG1INPAV1=Parameter

[GET Command]

@SYS:TRIG1INPAV1=?

Operating & retrieving the setting state for Input AV1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV2**

[PUT Command]

@SYS:TRIG1INPAV2=Parameter

[GET Command]

@SYS:TRIG1INPAV2=?

Operating & retrieving the setting state for Input AV2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV3**

[PUT Command]

@SYS:TRIG1INPAV3=Parameter

[GET Command]

@SYS:TRIG1INPAV3=?

Operating & retrieving the setting state for Input AV3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV4**

[PUT Command]

@SYS:TRIG1INPAV4=Parameter

[GET Command]

@SYS:TRIG1INPAV4=?

Operating & retrieving the setting state for Input AV4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV5**

[PUT Command]

@SYS:TRIG1INPAV5=Parameter

[GET Command]

@SYS:TRIG1INPAV5=?

Operating & retrieving the setting state for Input AV5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV6**

[PUT Command]

@SYS:TRIG1INPAV6=Parameter

[GET Command]

@SYS:TRIG1INPAV6=?

Operating & retrieving the setting state for Input AV6 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV7**

[PUT Command]

@SYS:TRIG1INPAV7=Parameter

[GET Command]

@SYS:TRIG1INPAV7=?

Operating & retrieving the setting state for Input AV7 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPVAUX**

[PUT Command]

@SYS:TRIG1INPVAUX=Parameter

[GET Command]

@SYS:TRIG1INPVAUX=?

Operating & retrieving the setting state for Input VAUX of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO1**

[PUT Command]

@SYS:TRIG1INPAUDIO1=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO1=?

Operating & retrieving the setting state for Input AUDIO1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAUDIO2**[PUT Command]**

@SYS:TRIG1INPAUDIO2=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO2=?

Operating & retrieving the setting state for Input AUDIO2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAUDIO3**[PUT Command]**

@SYS:TRIG1INPAUDIO3=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO3=?

Operating & retrieving the setting state for Input AUDIO3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAUDIO4**[PUT Command]**

@SYS:TRIG1INPAUDIO4=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO4=?

Operating & retrieving the setting state for Input AUDIO4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPDOCK**[PUT Command]**

@SYS:TRIG1INPDOCK=Parameter

[GET Command]

@SYS:TRIG1INPDOCK=?

Operating & retrieving the setting state for Input DOCK of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPIPOD**

[PUT Command]

@SYS:TRIG1INPIPOD=Parameter

[GET Command]

@SYS:TRIG1INPIPOD=?

Operating & retrieving the setting state for Input IPOD of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPBT**

[PUT Command]

@SYS:TRIG1INPBT=Parameter

[GET Command]

@SYS:TRIG1INPBT=?

Operating & retrieving the setting state for Input BT of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPUAW**

[PUT Command]

@SYS:TRIG1INPUAW=Parameter

[GET Command]

@SYS:TRIG1INPUAW=?

Operating & retrieving the setting state for Input UAW of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPNET**

[PUT Command]

@SYS:TRIG1INPNET=Parameter

[GET Command]

@SYS:TRIG1INPNET=?

Operating & retrieving the setting state for Input NET of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

- **TRIG1INPRHAPSODY**

[PUT Command]

@SYS:TRIG1INPRHAPSODY=Parameter

[GET Command]

@SYS:TRIG1INPRHAPSODY=?

Operating & retrieving the setting state for Input RHAPSODY of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

- **TRIG1INPSIRIUSIR**

[PUT Command]

@SYS:TRIG1INPSIRIUSIR=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUSIR=?

Operating & retrieving the setting state for Input SIRIUSIR of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

- **TRIG1INPPANDORA**

[PUT Command]

@SYS:TRIG1INPPANDORA=Parameter

[GET Command]

@SYS:TRIG1INPPANDORA=?

Operating & retrieving the setting state for Input PANDORA of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

- **TRIG1INPNAPSTER**

[PUT Command]

@SYS:TRIG1INPNAPSTER=Parameter

[GET Command]

@SYS:TRIG1INPNAPSTER=?

Operating & retrieving the setting state for Input NAPSTER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

- **TRIG1INPPC**

- [PUT Command]**

- @SYS:TRIG1INPPC=Parameter*

- [GET Command]**

- @SYS:TRIG1INPPC=?*

- Operating & retrieving the setting state for Input PC of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPNETRADIO**

- [PUT Command]**

- @SYS:TRIG1INPNETRADIO=Parameter*

- [GET Command]**

- @SYS:TRIG1INPNETRADIO=?*

- Operating & retrieving the setting state for Input NETRADIO of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPUSB**

- [PUT Command]**

- @SYS:TRIG1INPUSB=Parameter*

- [GET Command]**

- @SYS:TRIG1INPUSB=?*

- Operating & retrieving the setting state for Input USB of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPIPODUSB**

- [PUT Command]**

- @SYS:TRIG1INPIPODUSB=Parameter*

- [GET Command]**

- @SYS:TRIG1INPIPODUSB=?*

- Operating & retrieving the setting state for Input IPODUSB of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG2MANUAL**

- [PUT Command]**

@SYS:TRIG2MANUAL=Parameter

[GET Command]

@SYS:TRIG2MANUAL=?

[Parameters]

Parameters are the same as [TRIG1MANUAL](#)

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• **TRIG2TYPE**

[PUT Command]

@SYS:TRIG2TYPE=Parameter

[GET Command]

@SYS:TRIG2TYPE=?

[Parameters]

Parameters are the same as [TRIG1TYPE](#)

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• **TRIG2ZONE**

[PUT Command]

@SYS:TRIG2ZONE=Parameter

[GET Command]

@SYS:TRIG2ZONE=?

[Parameters]

Parameters are the same as [TRIG1ZONE](#)

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• **TRIG2INPSIRIUS**

[PUT Command]

@SYS:TRIG2INPSIRIUS=Parameter

[GET Command]

@SYS:TRIG2INPSIRIUS=?

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG2INPTUNER**

[PUT Command]

@SYS:TRIG2INPTUNER=Parameter

[GET Command]

@SYS:TRIG2INPTUNER=?

[Parameters]

Parameters are the same as [TRIG1INPTUNER](#)

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• **TRIG2INPMULTICH**

[PUT Command]

@SYS:TRIG2INPMULTICH=Parameter

[GET Command]

@SYS:TRIG2INPMULTICH=?

[Parameters]

Parameters are the same as [TRIG1INPMULTICH](#)

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• **TRIG2INPPHONO**

[PUT Command]

@SYS:TRIG2INPPHONO=Parameter

[GET Command]

@SYS:TRIG2INPPHONO=?

[Parameters]

Parameters are the same as [TRIG1INPPHONO](#)

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• **TRIG2INPAV1**

[PUT Command]

@SYS:TRIG2INPAV1=Parameter

[GET Command]

@SYS:TRIG2INPAV1=?

[Parameters]

Parameters are the same as [TRIG1INPAV1](#)

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• **TRIG2INPAV2**

[PUT Command]

@SYS:TRIG2INPAV2=Parameter

[GET Command]

@SYS:TRIG2INPAV2=?

[Parameters]

Parameters are the same as [TRIG1INPAV2](#)

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• **TRIG2INPAV3**

[PUT Command]

@SYS:TRIG2INPAV3=Parameter

[GET Command]

@SYS:TRIG2INPAV3=?

[Parameters]

Parameters are the same as [TRIG1INPAV3](#)

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• **TRIG2INPAV4**

[PUT Command]

@SYS:TRIG2INPAV4=Parameter

[GET Command]

@SYS:TRIG2INPAV4=?

[Parameters]

Parameters are the same as [TRIG1INPAV4](#)

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• **TRIG2INPAV5**

[PUT Command]

@SYS:TRIG2INPAV5=Parameter

[GET Command]

@SYS:TRIG2INPAV5=?

[Parameters]

Parameters are the same as [TRIG1INPAV5](#)

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• **TRIG2INPAV6**

[PUT Command]

@SYS:TRIG2INPAV6=Parameter

[GET Command]

@SYS:TRIG2INPAV6=?

[Parameters]

Parameters are the same as [TRIG1INPAV6](#)

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• **TRIG2INPAV7**

[PUT Command]

@SYS:TRIG2INPAV7=Parameter

[GET Command]

@SYS:TRIG2INPAV7=?

[Parameters]

Parameters are the same as [TRIG1INPAV7](#)

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• **TRIG2INPVAUX**

[PUT Command]

@SYS:TRIG2INPVAUX=Parameter

[GET Command]

@SYS:TRIG2INPVAUX=?

[Parameters]

Parameters are the same as [TRIG1INPVAUX](#)

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• **TRIG2INPAUDIO1**

[PUT Command]

@SYS:TRIG2INPAUDIO1=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO1=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO1](#)

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• **TRIG2INPAUDIO2**

[PUT Command]

@SYS:TRIG2INPAUDIO2=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO2=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO2](#)

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• **TRIG2INPAUDIO3**

[PUT Command]

@SYS:TRIG2INPAUDIO3=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO3=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO3](#)

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• **TRIG2INPAUDIO4**

[PUT Command]

@SYS:TRIG2INPAUDIO4=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO4=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO4](#)

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• **TRIG2INPDOCK**

[PUT Command]

@SYS:TRIG2INPDOCK=Parameter

[GET Command]

@SYS:TRIG2INPDOCK=?

[Parameters]

Parameters are the same as [TRIG1INPDOCK](#)

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TRIG2INPIPOD

[PUT Command]

@SYS:TRIG2INPIPOD=Parameter

[GET Command]

@SYS:TRIG2INPIPOD=?

[Parameters]

Parameters are the same as [TRIG1INPIPOD](#)

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• TRIG2INPBT

[PUT Command]

@SYS:TRIG2INPBT=Parameter

[GET Command]

@SYS:TRIG2INPBT=?

[Parameters]

Parameters are the same as [TRIG1INPBT](#)

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• TRIG2INPUAW

[PUT Command]

@SYS:TRIG2INPUAW=Parameter

[GET Command]

@SYS:TRIG2INPUAW=?

[Parameters]

Parameters are the same as [TRIG1INPUAW](#)

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• TRIG2INPNET

[PUT Command]

@SYS:TRIG2INPNET=Parameter

[GET Command]

@SYS:TRIG2INPNET=?

[Parameters]

Parameters are the same as [TRIG1INPNET](#)

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• TRIG2INPRHAPSODY

[PUT Command]

@SYS:TRIG2INPRHAPSODY=Parameter

[GET Command]

@SYS:TRIG2INPRHAPSODY=?

[Parameters]

Parameters are the same as [TRIG1INPRHAPSODY](#)

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- **TRIG2INPSIRIUSIR**

- [PUT Command]**

- @SYS:TRIG2INPSIRIUSIR=Parameter*

- [GET Command]**

- @SYS:TRIG2INPSIRIUSIR=?*

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUSIR](#)*

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- **TRIG2INPPANDORA**

- [PUT Command]**

- @SYS:TRIG2INPPANDORA=Parameter*

- [GET Command]**

- @SYS:TRIG2INPPANDORA=?*

- [Parameters]**

- Parameters are the same as [TRIG1INPPANDORA](#)*

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- **TRIG2INPNAPSTER**

- [PUT Command]**

- @SYS:TRIG2INPNAPSTER=Parameter*

- [GET Command]**

- @SYS:TRIG2INPNAPSTER=?*

- [Parameters]**

- Parameters are the same as [TRIG1INPNAPSTER](#)*

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- **TRIG2INPPC**

- [PUT Command]**

- @SYS:TRIG2INPPC=Parameter*

- [GET Command]**

- @SYS:TRIG2INPPC=?*

- [Parameters]**

- Parameters are the same as [TRIG1INPPC](#)*

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- **TRIG2INPNETRADIO**

- [PUT Command]**

- @SYS:TRIG2INPNETRADIO=Parameter*

- [GET Command]**

- @SYS:TRIG2INPNETRADIO=?*

- [Parameters]**

- Parameters are the same as [TRIG1INPNETRADIO](#)*

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- **TRIG2INPUSB**

[PUT Command]

@SYS:TRIG2INPUSB=Parameter

[GET Command]

@SYS:TRIG2INPUSB=?

[Parameters]

Parameters are the same as [TRIG1INPUSB](#)

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- **TRIG2INPIPODUSB**

[PUT Command]

@SYS:TRIG2INPIPODUSB=Parameter

[GET Command]

@SYS:TRIG2INPIPODUSB=?

[Parameters]

Parameters are the same as [TRIG1INPIPODUSB](#)

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- **MEMGRD**

[PUT Command]

@SYS:MEMGRD=Parameter

[GET Command]

@SYS:MEMGRD=?

Operating & retrieving Memory Guard Setting state

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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- **REMOTECODE**

[PUT Command]

@SYS:REMOTECODE=Parameter

Operation by specifying IR command codes.

[Parameters]

Character Code: Hex, Fixed 8 characters

PUT Only: 8-digit ASCII (Hex) IR codes are to be specified for its value. See the IR command chart separately provided. [\[Link To the IR Code File\]](#)

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Sub Unit : MAIN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date: \$

\$Revision: \$

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Command Details of SubUnit: MAIN

- **AVAIL**

[GET Command]

@MAIN:AVAIL=?

Retrieving the validity of Main Zone operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

- **ZONENAME**

- [PUT Command]**

- @MAIN:ZONENAME=Parameter*

- [GET Command]**

- @MAIN:ZONENAME=?*

- Setting & retrieving renamed info of Main Zone

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 9 characters)*

- PUT: setting its name / GET: indicating its name

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- **SCENENAME**

- [GET Command]**

- @MAIN:SCENENAME=?*

- Retrieving renamed info of all SCENE presets for Main Zone

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- **SCENE1NAME**

- [GET Command]**

- @MAIN:SCENE1NAME=?*

- Retrieving renamed info of SCENE1

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 20 characters)*

- GET Only

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- **SCENE2NAME**

- [GET Command]**

- @MAIN:SCENE2NAME=?*

- Retrieving renamed info of SCENE2

- [Parameters]**

- Parameters are the same as [SCENE1NAME](#)*

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- **SCENE3NAME**

- [GET Command]**

- @MAIN:SCENE3NAME=?*

- Retrieving renamed info of SCENE3

- [Parameters]**

- Parameters are the same as [SCENE1NAME](#)*

- **SCENE4NAME**

[GET Command]

@MAIN:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE5NAME**

[GET Command]

@MAIN:SCENE5NAME=?

Retrieving renamed info of SCENE5

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE6NAME**

[GET Command]

@MAIN:SCENE6NAME=?

Retrieving renamed info of SCENE6

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE7NAME**

[GET Command]

@MAIN:SCENE7NAME=?

Retrieving renamed info of SCENE7

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE8NAME**

[GET Command]

@MAIN:SCENE8NAME=?

Retrieving renamed info of SCENE8

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE9NAME**

[GET Command]

@MAIN:SCENE9NAME=?

Retrieving renamed info of SCENE9

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• SCENE10NAME

[GET Command]

@MAIN:SCENE10NAME=?

Retrieving renamed info of SCENE10

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• SCENE11NAME

[GET Command]

@MAIN:SCENE11NAME=?

Retrieving renamed info of SCENE11

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• SCENE12NAME

[GET Command]

@MAIN:SCENE12NAME=?

Retrieving renamed info of SCENE12

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• BASIC

[GET Command]

@MAIN:BASIC=?

GET Only. Main Zone basic info is retrieved at a time.

Updated by following commands: "@MAIN:PWR", "@MAIN:SLEEP", "@MAIN:VOL", "@MAIN:MUTE", "@MAIN:INP", "@MAIN:STRAIGHT", "@MAIN:ENHANCER" and "@MAIN:SOUNDPRG"

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• PWR

[PUT Command]

@MAIN:PWR=*Parameter*

[GET Command]

@MAIN:PWR=?

Operating & retrieving Power state of Main Zone

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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• SLEEP

[PUT Command]

@MAIN:SLEEP=*Parameter*

[GET Command]

@MAIN:SLEEP=?

Operating & retrieving Sleep setting state of Main Zone

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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• VOL

[PUT Command]

@MAIN:VOL=*Parameter*

[GET Command]

@MAIN:VOL=?

Operating & retrieving Main Zone Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@MAIN:MUTE=*Parameter*

[GET Command]

@MAIN:MUTE=?

Operating & retrieving Main Zone muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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- **MAXVOL**

[PUT Command]

@MAIN:MAXVOL=Parameter

[GET Command]

@MAIN:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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- **INITVOLMODE**

[PUT Command]

@MAIN:INITVOLMODE=Parameter

[GET Command]

@MAIN:INITVOLMODE=?

Operating & retrieving Initial Volume Mode state of Main Zone

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@MAIN:INITVOLLVL=Parameter

[GET Command]

@MAIN:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• INP

[PUT Command]

@MAIN:INP=Parameter

[GET Command]

@MAIN:INP=?

Operating & retrieving Main Zone Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

MULTI CH

PUT: selecting input MULTI CH / GET: indicating current input is MULTI CH

PHONO

PUT: selecting input PHONO / GET: indicating current input is PHONO

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

AV7

PUT: selecting input AV7 / GET: indicating current input is AV7

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

AUDIO3

PUT: selecting input AUDIO3 / GET: indicating current input is AUDIO3

AUDIO4

PUT: selecting input AUDIO4 / GET: indicating current input is AUDIO4

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT Only: selecting input USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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- **AUDSEL**

[PUT Command]

@MAIN:AUDSEL=Parameter

[GET Command]

@MAIN:AUDSEL=?

Operating & retrieving Audio Select setting state

Initial Auto Feedback is Available

Audio Select is for selecting an audio input terminal for the current input. Valid for Main Zone input only.

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Automatically selects audio available terminals. Priority: HDMI > Coax/Opt > Analog

HDMI

PUT: turning its setting state to HDMI / GET: indicating HDMI setting status.

Audio source is fixed to HDMI terminal.

Coax/Opt

PUT: turning its setting state to Coax/Opt / GET: indicating Coax/Opt setting status.

Audio source is fixed to Coax/Opt terminal.

Analog

PUT: turning its setting state to Analog / GET: indicating Analog setting status.

Audio source is fixed to Analog terminal.

Unavailable

GET Only: indicating its setting is currently unavailable.

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- **DECODERSEL**

[PUT Command]

@MAIN:DECODERSEL=Parameter

[GET Command]

@MAIN:DECODERSEL=?

Operating & retrieving Decoder Select setting state

Decoder Select is for selecting an audio decoder specifically.

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Automatically selects audio decoder. Default value.

DTS

PUT: turning its setting state to DTS / GET: indicating DTS setting status.

Audio decoder is fixed to DTS

Unavailable

GET Only: indicating its setting is currently unavailable.

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• SCENE

[PUT Command]

@MAIN:SCENE=Parameter

Recalling Main Zone Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

Scene 5

PUT Only: selecting Scene 5

Scene 6

PUT Only: selecting Scene 6

Scene 7

PUT Only: selecting Scene 7

Scene 8

PUT Only: selecting Scene 12

Scene 9

PUT Only: selecting Scene 9

Scene 10

PUT Only: selecting Scene 10

Scene 11

PUT Only: selecting Scene 11

Scene 12

PUT Only: selecting Scene 12

- **SPBASS**

[PUT Command]

@MAIN:SPBASS=Parameter

[GET Command]

@MAIN:SPBASS=?

Operating & retrieving Bass Tone Control setting state (Effective to speaker output)

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

- **SPTREBLE**

[PUT Command]

@MAIN:SPTREBLE=Parameter

[GET Command]

@MAIN:SPTREBLE=?

Operating & retrieving Treble Tone Control setting state. (Effective to speaker output)

[Parameters]

Parameters are the same as [SPBASS](#)

- **PUREDIRMODE**

[PUT Command]

@MAIN:PUREDIRMODE=Parameter

[GET Command]

@MAIN:PUREDIRMODE=?

Operating & retrieving Pure Direct Mode setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

- **ADAPTIVEDRC**

[PUT Command]

@MAIN:ADAPTIVEDRC=Parameter

[GET Command]

@MAIN:ADAPTIVEDRC=?

Operating & retrieving Adaptive DRC setting state

Adaptive DRC is an automatic Dynamic Range Control feature.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• LIPSYNCMODE

[PUT Command]

@MAIN:LIPSYNCMODE=*Parameter*

[GET Command]

@MAIN:LIPSYNCMODE=?

Operating & retrieving Lipsync Mode setting state

[Parameters]

Manual

PUT: turning its setting state to Manual / GET: indicating Manual setting status.

About "Manual" setting of Lipsync Mode: When selecting "Manual" here, the audio delay value can be manually set. The effective setting of the audio delay value has some dependencies as follows. In case of using Analog Video Output only (no HDMI connection is active), audio delay value set by "@MAIN:ANLGOUT" command is effective. In case that HDMI OUT1 is in active connection, the value set by "@MAIN:HDMIOUT1MANUAL" command works. Else if HDMI OUT2 is the only one activated, the setting by "@MAIN:HDMIOUT2MANUAL" is enabled.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

About Lipsync Mode "Auto": Basically, Audio Delay value has 5 different settings internally according to "Video Output State (5 Status available)". And the 5 different status of "Video Output State" is determined by the combination of two states of "Display's state of compatibility/incompatibility with Auto Lipsync feature" and "Current effective HDMI output state (on the receiver)", which means 4 status, plus a status of "Analog Video Out only in use", summing up to 5 in total. The "Auto" setting of Lipsync Mode is to dynamically change the Audio Delay value corresponding to a specific status of Video Output State. "Video Output State" can be retrieved with a command of "@MAIN:SELINFO", and you can set the effective Audio Delay value according to respective Video Output status by these commands as following;

When "@MAIN:SELINFO=Analog": the audio delay can be set by "@MAIN:ANLGOUT" command

When "@MAIN:SELINFO=HDMI1 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1OFFSET" command

When "@MAIN:SELINFO=HDMI1 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1MANUAL" command

When "@MAIN:SELINFO=HDMI2 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2OFFSET" command

When "@MAIN:SELINFO=HDMI2 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2MANUAL" command

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- **LIPSYNCANLGOUT**

[PUT Command]

@MAIN:LIPSYNCANLGOUT=Parameter

[GET Command]

@MAIN:LIPSYNCANLGOUT=?

Operating & retrieving Audio Delay setting state in case when the Analog Video output is only effective (no HDMI output is in use).

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT1OFFSET**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=?

Operating & retrieving Audio Delay setting state in case when the Display is compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: -250 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT1MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=?

Operating & retrieving Audio Delay setting state in case when the Display is NOT compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 250, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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• LIPSYNCHDMIOUT2OFFSET

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1OFFSET](#)

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• LIPSYNCHDMIOUT2MANUAL

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1MANUAL](#)

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• LIPSYNCSELINFO

[GET Command]

@MAIN:LIPSYNCSELINFO=?

Retrieving current Video Output State

[Parameters]

Analog

GET Only: indicating Analog video connection is only available (no HDMI out is in use)

HDMI Auto

GET Only: indicating HDMI1 output connection is effective, and the Display is compatible with Auto Lipsync feature.

HDMI Manual

GET Only: indicating HDMI1 output connection is effective, and the Display is NOT compatible with Auto Lipsync feature.

HDMI2 Auto

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is compatible with Auto Lipsync feature.

HDMI2 Manual

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is NOT compatible with Auto Lipsync feature.

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• LIPSYNCOFFSETINFO

[GET Command]

@MAIN:LIPSYNCOFFSETINFO=?

Retrieving the Audio Delay Offset value that is reported by the Display compatible with Auto Lipsync feature

[Parameters]

Numerical Number: 0 to 250, Step: 1

GET Only: indicating the current value.

The unit for this parameter is "ms".

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• HDMIOUT

[PUT Command]

@MAIN:HDMIOUT=Parameter

[GET Command]

@MAIN:HDMIOUT=?

Operating & retrieving HDMI Output setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off (output is disabled)/ GET: indicating Off setting status.

OUT1

PUT: turning its setting state to OUT1 (HDMI OUT2 is disabled) / GET: indicating OUT1 setting status.

OUT2

PUT: turning its setting state to OUT2 (HDMI OUT1 is disabled) / GET: indicating OUT2 setting status.

OUT1 + 2

PUT: turning its setting state to OUT1 + 2 (Both HDMI OUT1 & 2 are enabled) / GET: indicating OUT1 + 2 setting status.

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• HDMIAUDOUTAMP

[PUT Command]

@MAIN:HDMIAUDOUTAMP=Parameter

[GET Command]

@MAIN:HDMIAUDOUTAMP=?

Operating & retrieving HDMI Audio Output to Amp (Receiver) setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• **HDMIAUDOUT1**

[PUT Command]

@MAIN:HDMIAUDOUT1=*Parameter*

[GET Command]

@MAIN:HDMIAUDOUT1=?

Operating & retrieving HDMI Audio Output to HDMI OUT1 setting state

[Parameters]

Parameters are the same as [HDMIAUDOUTAMP](#)

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• **HDMIAUDOUT2**

[PUT Command]

@MAIN:HDMIAUDOUT2=*Parameter*

[GET Command]

@MAIN:HDMIAUDOUT2=?

Operating & retrieving HDMI Audio Output to HDMI OUT2 setting state

[Parameters]

Parameters are the same as [HDMIAUDOUTAMP](#)

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• **TVAUDIN1**

[PUT Command]

@MAIN:TVAUDIN1=*Parameter*

[GET Command]

@MAIN:TVAUDIN1=?

Operating & retrieving TV Audio In: TV1 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT1.

[Parameters]

AUDIO1

PUT: turning its setting state to AUDIO1 / GET: indicating AUDIO1 setting status.

AUDIO2

PUT: turning its setting state to AUDIO2 / GET: indicating AUDIO2 setting status.

AUDIO3

PUT: turning its setting state to AUDIO3 / GET: indicating AUDIO3 setting status.

AUDIO4

PUT: turning its setting state to AUDIO4 / GET: indicating AUDIO4 setting status.

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• TVAUDIN2

[PUT Command]

@MAIN:TVAUDIN2=Parameter

[GET Command]

@MAIN:TVAUDIN2=?

Operating & retrieving TV Audio In: TV2 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT2.

[Parameters]

Parameters are the same as [TVAUDIN1](#)

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• HDMIPROCESSING

[PUT Command]

@MAIN:HDMIPROCESSING=Parameter

[GET Command]

@MAIN:HDMIPROCESSING=?

Operating & retrieving HDMI Video Processing setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• HDMIASPECT

[PUT Command]

@MAIN:HDMIASPECT=Parameter

[GET Command]

@MAIN:HDMIASPECT=?

Operating & retrieving HDMI Video Aspect setting state

[Parameters]

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

16:9 Normal

PUT: turning its setting state to 16:9 Normal / GET: indicating 16:9 Normal setting status.

- **HDMIRESOL**

[PUT Command]

@MAIN:HDMIRESOL=Parameter

[GET Command]

@MAIN:HDMIRESOL=?

Operating & retrieving HDMI Video Resolution setting state

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

480p / 576p

PUT: turning its setting state to 480p / 576p / GET: indicating 480p / 576p setting status.

720p

PUT: turning its setting state to 720p / GET: indicating 720p setting status.

1080i

PUT: turning its setting state to 1080i / GET: indicating 1080i setting status.

1080p

PUT: turning its setting state to 1080p / GET: indicating 1080p setting status.

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

- **HPBASS**

[PUT Command]

@MAIN:HPBASS=Parameter

[GET Command]

@MAIN:HPBASS=?

Operating & retrieving Bass Tone Control setting state for Headphone

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "dB".

- **HPTREBLE**

[PUT Command]

@MAIN:HPTREBLE=Parameter

[GET Command]

@MAIN:HPTREBLE=?

Operating & retrieving Treble Tone Control setting state for Headphone

[Parameters]

Parameters are the same as [HPBASS](#)

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• STRAIGHT

[PUT Command]

@MAIN:STRAIGHT=Parameter

[GET Command]

@MAIN:STRAIGHT=?

Operating & retrieving STRAIGHT setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• ENHANCER

[PUT Command]

@MAIN:ENHANCER=Parameter

[GET Command]

@MAIN:ENHANCER=?

Operating & retrieving ENHANCER setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• SOUNDPRG

[PUT Command]

@MAIN:SOUNDPRG=Parameter

[GET Command]

@MAIN:SOUNDPRG=?

Operating & retrieving DSP SOUND PROGRAM setting state

Initial Auto Feedback is Available

[Parameters]

Hall in Munich

PUT: turning its setting state to Hall in Munich / GET: indicating Hall in Munich setting status.

Hall in Vienna

PUT: turning its setting state to Hall in Vienna / GET: indicating Hall in Vienna setting status.

Chamber

PUT: turning its setting state to Chamber / GET: indicating Chamber setting status.

Cellar Club

PUT: turning its setting state to Cellar Club / GET: indicating Cellar Club setting status.

The Roxy Theatre

PUT: turning its setting state to The Roxy Theatre / GET: indicating The Roxy Theatre setting status.

The Bottom Line

PUT: turning its setting state to The Bottom Line / GET: indicating The Bottom Line setting status.

Sports

PUT: turning its setting state to Sports / GET: indicating Sports setting status.

Action Game

PUT: turning its setting state to Action Game / GET: indicating Action Game setting status.

Roleplaying Game

PUT: turning its setting state to Roleplaying Game / GET: indicating Roleplaying Game setting status.

Music Video

PUT: turning its setting state to Music Video / GET: indicating Music Video setting status.

Standard

PUT: turning its setting state to Standard / GET: indicating Standard setting status.

Spectacle

PUT: turning its setting state to Spectacle / GET: indicating Spectacle setting status.

Sci-Fi

PUT: turning its setting state to Sci-Fi / GET: indicating Sci-Fi setting status.

Adventure

PUT: turning its setting state to Adventure / GET: indicating Adventure setting status.

Drama

PUT: turning its setting state to Drama / GET: indicating Drama setting status.

Mono Movie

PUT: turning its setting state to Mono Movie / GET: indicating Mono Movie setting status.

2ch Stereo

PUT: turning its setting state to 2ch Stereo / GET: indicating 2ch Stereo setting status.

7ch Stereo

PUT: turning its setting state to 7ch Stereo / GET: indicating 7ch Stereo setting status.

Surround Decoder

PUT: turning its setting state to Surround Decoder / GET: indicating Surround Decoder setting status.

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• ADAPTIVEDSP

[PUT Command]

@MAIN:ADAPTIVEDSP=Parameter

[GET Command]

@MAIN:ADAPTIVEDSP=?

Operating & retrieving Adaptive DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• **3DCINEMA**

[PUT Command]

@MAIN:3DCINEMA=Parameter

[GET Command]

@MAIN:3DCINEMA=?

Operating & retrieving 3D DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• **EXSURDECODER**

[PUT Command]

@MAIN:EXSURDECODER=Parameter

[GET Command]

@MAIN:EXSURDECODER=?

Operating & retrieving Extended Surround setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

EX/ES

PUT: turning its setting state to EX/ES / GET: indicating EX/ES setting status.

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• 2CHDECODER

[PUT Command]

@MAIN:2CHDECODER=Parameter

[GET Command]

@MAIN:2CHDECODER=?

Operating & retrieving Surround Decoder setting state for 2ch audio signal

It changes to PLII or PLIIx automatically depending on other settings or status.

[Parameters]

Dolby PL

Dolby PLII Movie

PUT: turning its setting state to Dolby PLII Movie / GET: indicating Dolby PLII Movie setting status.

Dolby PLII Music

PUT: turning its setting state to Dolby PLII Music / GET: indicating Dolby PLII Music setting status.

Dolby PLII Game

PUT: turning its setting state to Dolby PLII Game / GET: indicating Dolby PLII Game setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

Dolby PLIIx Game

PUT: turning its setting state to Dolby PLIIx Game / GET: indicating Dolby PLIIx Game setting status.

DTS NEO:6 Cinema

PUT: turning its setting state to DTS NEO:6 Cinema / GET: indicating DTS NEO:6 Cinema setting status.

DTS NEO:6 Music

PUT: turning its setting state to DTS NEO:6 Music / GET: indicating DTS NEO:6 Music setting status.

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• PLAYBACK

[PUT Command]

@MAIN:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• LISTCURSOR

[PUT Command]

@MAIN:LISTCURSOR=Parameter

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Left

Right

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• LISTMENU

[PUT Command]

@MAIN:LISTMENU=Parameter

[Parameters]

On Screen

Top Menu

Menu

Option

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Sub Unit : ZONE2

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date:: \$

\$Revision: \$

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- **AVAIL**

- [GET Command]**

- @ZONE2:AVAIL=?

- Retrieving the validity of Zone 2 operational status

- Initial Auto Feedback is Available

- [Parameters]**

- Not Ready*

- GET Only: indicating invalid state of operation

- Ready*

- GET Only: indicating valid state of operation

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- **ZONENAME**

- [PUT Command]**

- @ZONE2:ZONENAME=*Parameter*

- [GET Command]**

- @ZONE2:ZONENAME=?

- Setting & retrieving renamed info of Zone 2

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 9 characters)*

- PUT: setting its name / GET: indicating its name

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- **SCENENAME**

- [GET Command]**

- @ZONE2:SCENENAME=?

- Retrieving renamed info of all SCENE presets for Zone 2

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- **SCENE1NAME**

- [GET Command]**

- @ZONE2:SCENE1NAME=?

- Retrieving renamed info of SCENE1

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 20 characters)*

- GET Only

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- **SCENE2NAME**

- [GET Command]**

@ZONE2:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **SCENE3NAME**

[GET Command]

@ZONE2:SCENE3NAME=?

Retrieving renamed info of SCENE3

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **SCENE4NAME**

[GET Command]

@ZONE2:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **BASIC**

[GET Command]

@ZONE2:BASIC=?

GET Only. Zone 2 basic info is retrieved at a time.

Updated by following commands: "@ZONE2:PWR", "@ZONE2:SLEEP", "@ZONE2:VOL", "@ZONE2:MUTE", and "@ZONE2:INP"

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• **PWR**

[PUT Command]

@ZONE2:PWR=*Parameter*

[GET Command]

@ZONE2:PWR=?

Operating & retrieving Power state of Zone 2

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@ZONE2:SLEEP=Parameter

[GET Command]

@ZONE2:SLEEP=?

Operating & retrieving Sleep setting state of Zone 2

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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- **VOL**

[PUT Command]

@ZONE2:VOL=Parameter

[GET Command]

@ZONE2:VOL=?

Operating & retrieving Zone 2 Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@ZONE2:MUTE=Parameter

[GET Command]

@ZONE2:MUTE=?

Operating & retrieving Zone 2 muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• VOLFIXVAR

[PUT Command]

@ZONE2:VOLFIXVAR=Parameter

[GET Command]

@ZONE2:VOLFIXVAR=?

Operating & retrieving Zone 2 Preout Level setting state

[Parameters]

Variable

PUT: turning its setting state to Variable / GET: indicating Variable setting status.

Fixed

PUT: turning its setting state to Fixed / GET: indicating Fixed setting status.

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• MAXVOL

[PUT Command]

@ZONE2:MAXVOL=*Parameter*

[GET Command]

@ZONE2:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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• INITVOLMODE

[PUT Command]

@ZONE2:INITVOLMODE=*Parameter*

[GET Command]

@ZONE2:INITVOLMODE=?

Operating & retrieving Initial Volume Mode setting state of Zone 2

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@ZONE2:INITVOLLVL=Parameter

[GET Command]

@ZONE2:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **BALANCE**

[PUT Command]

@ZONE2:BALANCE=Parameter

[GET Command]

@ZONE2:BALANCE=?

Operating & retrieving Channel Balance setting state of Zone 2

[Parameters]

Numerical Number: -20 to 20, Step: 1

PUT: setting to the specified value. / GET: indicating the current setting value.

0 means the balance is at the center.

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- **INP**

[PUT Command]

@ZONE2:INP=Parameter

[GET Command]

@ZONE2:INP=?

Operating & retrieving Zone 2 Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

PHONO

PUT: selecting input PHONO / GET: indicating current input is PHONO

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

AUDIO3

PUT: selecting input AUDIO / GET: indicating current input is AUDIO

AUDIO4

PUT: selecting input AUDIO4 / GET: indicating current input is AUDIO4

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT: selecting input USB / GET: indicating current input is USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• SCENE

[PUT Command]

@ZONE2:SCENE=Parameter

Recalling Zone 2 Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

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• BASS

[PUT Command]

@ZONE2:BASS=Parameter

[GET Command]

@ZONE2:BASS=?

Operating & retrieving Bass Tone Control setting state

[Parameters]

Numerical Number: -10.0 to 10.0, Step: 2.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

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• TREBLE

[PUT Command]

@ZONE2:TREBLE=Parameter

[GET Command]

@ZONE2:TREBLE=?

Operating & retrieving Treble Tone Control setting state

[Parameters]

Parameters are the same as [BASS](#)

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• **PLAYBACK**

[PUT Command]

@ZONE2:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **LISTCURSOR**

[PUT Command]

@ZONE2:LISTCURSOR=Parameter

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Left

Right

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTMENU**

[PUT Command]

@ZONE2:LISTMENU=Parameter

[Parameters]

On Screen

Top Menu

Menu

Option

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Sub Unit : HDRADIO

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: HDRADIO

AVAIL

[GET Command]

@HDRADIO:AVAIL=?

Retrieving the validity of HD Radio operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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• SEARCHMODE

[PUT Command]

@HDRADIO:SEARCHMODE=*Parameter*

[GET Command]

@HDRADIO:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

Tuning

PUT: selecting Tuning search mode / GET: indicating current search mode is Tuning

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• PRESET

[PUT Command]

@HDRADIO:PRESET=*Parameter*

[GET Command]

@HDRADIO:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available preset number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available preset number to the current one in the way of smaller number to larger.

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• MEM

[PUT Command]

@HDRADIO:MEM=Parameter

Registering current frequency to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• FMFREQ

[PUT Command]

@HDRADIO:FMFREQ=Parameter

[GET Command]

@HDRADIO:FMFREQ=?

Operating & retrieving FM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no FM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 87.50 to 107.90, Step: 0.20

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "MHz".

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- **AMFREQ**

[PUT Command]

@HDRADIO:AMFREQ=*Parameter*

[GET Command]

@HDRADIO:AMFREQ=?

Operating & retrieving AM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no AM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 530 to 1710, Step: 10

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "kHz".

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- **BAND**

[PUT Command]

@HDRADIO:BAND=*Parameter*

[GET Command]

@HDRADIO:BAND=?

Operating & retrieving the Frequency Band type

Initial Auto Feedback is Available

[Parameters]

FM

PUT: selecting FM / GET: indicating current band type is FM

AM

PUT: selecting AM / GET: indicating current band type is AM

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- **PRGSEL**

[PUT Command]

@HDRADIO:PRGSEL=Parameter

[GET Command]

@HDRADIO:PRGSEL=?

Operating & retrieving Program Number

Initial Auto Feedback is Available

[Parameters]

GET Only: indicating Program Number is not selected.

HD1

PUT: selecting Program Number 1 / GET: indicating current Program Number is 1

HD2

PUT: selecting Program Number 2 / GET: indicating current Program Number is 2

HD3

PUT: selecting Program Number 3 / GET: indicating current Program Number is 3

HD4

PUT: selecting Program Number 4 / GET: indicating current Program Number is 4

HD5

PUT: selecting Program Number 5 / GET: indicating current Program Number is 5

HD6

PUT: selecting Program Number 6 / GET: indicating current Program Number is 6

HD7

PUT: selecting Program Number 7 / GET: indicating current Program Number is 7

HD8

PUT: selecting Program Number 8 / GET: indicating current Program Number is 8

Down

PUT Only: changing Program Number to the decremental direction.

Non selectable program numbers are skipped.

Up

PUT Only: changing Program Number to the incremental direction.

Non selectable program numbers are skipped.

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- **AUDIOMODE**

[PUT Command]

@HDRADIO:AUDIOMODE=Parameter

[GET Command]

@HDRADIO:AUDIOMODE=?

Operating & retrieving current playback mode when tuned

Initial Auto Feedback is Available

[Parameters]

Auto

PUT: selecting Auto mode. / GET: indicating Auto mode

This is a mode that automatically selects available HD stations, playback in Stereo, and mutes the sound when no HD/stereo reception is available.

Mono

PUT: selecting Mono mode. / GET: indicating Mono mode

This is a mode to force the reception to be an analog domein (not HD's digital domein) and to be a monaural (used when the reception is weak and easily gets muted).

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• TAGSET

[PUT Command]

@HDRADIO:TAGSET=Parameter

Operating HD Radio's Tag data

[Parameters]

Add

PUT Only: saving Tag data

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• SIGINFO

[GET Command]

@HDRADIO:SIGINFO=?

GET Only. Tuning singal status can be retrieved at a time.

Updated by following commands: "@HDRADIO:TUNED", "@HDRADIO:SIGSTEREOMONO" and "@HDRADIO:HDSIGINFO"

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• TUNED

[GET Command]

@HDRADIO:TUNED=?

Retrieving the tuning status

Initial Auto Feedback is Available

[Parameters]

Negate

GET Only: indicating untuned status

Assert

GET Only: indicating tuned to a station

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- **SIGSTEREOMONO**

[GET Command]

@HDRADIO:SIGSTEREOMONO=?

Retrieving whether the playback signal is mono or stereo.

Initial Auto Feedback is Available

Negate means now playing monaural signal or not tuned. Assert means now playing Stereo signal.

[Parameters]

Parameters are the same as *TUNED*

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- **HDSIGINFO**

[GET Command]

@HDRADIO:HDSIGINFO=?

Retrieving whether the playback signal is HD or analog

Negate means now playing analog signal or not tuned. Assert means now playing HD signal.

[Parameters]

Parameters are the same as *TUNED*

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- **AVAILPRG1**

[GET Command]

@HDRADIO:AVAILPRG1=?

Retrieving HD Program Number 1 availability

Initial Auto Feedback is Available

[Parameters]

Unavailable

GET Only: indicating it's Unavailable

Available

GET Only: indicating it's Available

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- **AVAILPRG2**

[GET Command]

@HDRADIO:AVAILPRG2=?

Retrieving HD Program Number 2 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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- **AVAILPRG3**

[GET Command]

@HDRADIO:AVAILPRG3=?

Retrieving HD Program Number 3 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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- **AVAILPRG4**

[GET Command]

@HDRADIO:AVAILPRG4=?

Retrieving HD Program Number 4 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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- **AVAILPRG5**

[GET Command]

@HDRADIO:AVAILPRG5=?

Retrieving HD Program Number 5 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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- **AVAILPRG6**

[GET Command]

@HDRADIO:AVAILPRG6=?

Retrieving HD Program Number 6 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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- **AVAILPRG7**

[GET Command]

@HDRADIO:AVAILPRG7=?

Retrieving HD Program Number 7 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• AVAILPRG8

[GET Command]

@HDRADIO:AVAILPRG8=?

Retrieving HD Program Number 8 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• TAGINFO

[GET Command]

@HDRADIO:TAGINFO=?

Retrieving Tag Info availability

Initial Auto Feedback is Available

[Parameters]

Unavailable

GET Only: indicating it's Unavailable

Available

GET Only: indicating it's Available

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• METAINFO

[GET Command]

@HDRADIO:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@HDRADIO:STATION", "@HDRADIO:PRGNUM", "@HDRADIO:PRGTYPE", "@HDRADIO:SONG", "@HDRADIO:ARTIST" and "@HDRADIO:ALBUM"

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• STATION

[GET Command]

@HDRADIO:STATION=?

Retrieving Station Name.

Initial Auto Feedback is Available

[Parameters]

Character Code: Latin-1, Variable Length (0 to 15 characters)

GET Only

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• PRGNUM

[GET Command]

@HDRADIO:PRGNUM=?

Retrieving HD Program Number Name.

Initial Auto Feedback is Available

[Parameters]

GET Only: indicating no HD Program is selected

HD1

GET Only: indicating current Program Number is 1

HD2

GET Only: indicating current Program Number is 2

HD3

GET Only: indicating current Program Number is 3

HD4

GET Only: indicating current Program Number is 4

HD5

GET Only: indicating current Program Number is 5

HD6

GET Only: indicating current Program Number is 6

HD7

GET Only: indicating current Program Number is 7

HD8

GET Only: indicating current Program Number is 8

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• PRGTYPE

[GET Command]

@HDRADIO:PRGTYPE=?

Retrieving Program Type.

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

- **SONG**

[GET Command]

@HDRADIO:SONG=?

Retrieving Song title.

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as *PRGTYPE*

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- **ARTIST**

[GET Command]

@HDRADIO:ARTIST=?

Retrieving Artist Name.

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as *PRGTYPE*

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- **ALBUM**

[GET Command]

@HDRADIO:ALBUM=?

Retrieving Artist title.

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as *PRGTYPE*

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Sub Unit : SIRIUS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date: \$

\$Revision: \$

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SONG

COMPOSER

PLOCK

Command Details of SubUnit: SIRIUS

- AVAIL

[GET Command]

@SIRIUS:AVAIL=?

Retrieving the connection state of SiriusConnect tuner (adapter) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the adapter is not connected.

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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- **SEARCHMODE**

[PUT Command]

@SIRIUS:SEARCHMODE=Parameter

[GET Command]

@SIRIUS:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

All Ch

PUT: selecting All Ch search mode / GET: indicating current search mode is All Ch

Category

PUT: selecting Category search mode / GET: indicating current search mode is Category

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

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- **PRESET**

[PUT Command]

@SIRIUS:PRESET=Parameter

[GET Command]

@SIRIUS:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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- **MEM**

[PUT Command]

@SIRIUS:MEM=*Parameter*

Registering current channel to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• CATSEL

[PUT Command]

@SIRIUS:CATSEL=*Parameter*

Operating Category selection.

[Parameters]

Down

PUT Only: selecting in the reverse order

Up

PUT Only: selecting in order

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• CHSEL

[PUT Command]

@SIRIUS:CHSEL=*Parameter*

[GET Command]

@SIRIUS:CHSEL=?

Operating & retrieving Channel Number selection

[Parameters]

Numerical Number: 0 to 223, Step: 1

PUT: changing to the specified number. / GET: indicating current selection

255

PUT: doing nothing / GET: indicating "not connected to the adapter" or "no station is received"

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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• SIGINFO

[GET Command]

@SIRIUS:SIGINFO=?

GET Only. Signal status can be retrieved at a time.

Updated by following command: "@SIRIUS:ANTLVL" only

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- **ANTLVL**

[GET Command]

@SIRIUS:ANTLVL=?

Retrieving the signal strength state at the antenna.

Initial Auto Feedback is Available

[Parameters]

No Signal

GET Only: indicating its status is No Signal

Weak

GET Only: indicating its status is Weak

Good

GET Only: indicating its status is Good

Excellent

GET Only: indicating its status is Excellent

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- **METAINFO**

[GET Command]

@SIRIUS:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@SIRIUS:CATNAME", "@SIRIUS:CHNUM", "@SIRIUS:CHNAME", "@SIRIUS:ARTIST", "@SIRIUS:SONG" and "@SIRIUS:COMPOSER"

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- **CATNAME**

[GET Command]

@SIRIUS:CATNAME=?

Retrieving Category Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Latin-1, Variable Length (0 to 16 characters)

GET Only

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- **CHNUM**

[GET Command]

@SIRIUS:CHNUM=?

Retrieving Channel Number

Initial Auto Feedback is Available

[Parameters]

Numerical Number: 0 to 255, Step: 1

GET Only

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• CHNAME

[GET Command]

@SIRIUS:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ARTIST

[GET Command]

@SIRIUS:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• SONG

[GET Command]

@SIRIUS:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• COMPOSER

[GET Command]

@SIRIUS:COMPOSER=?

Retrieving Composer Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **PLOCK**

[GET Command]

@SIRIUS:PLOCK=?

Retrieving the state of Parental Lock

Initial Auto Feedback is Available

[Parameters]

Locked

GET Only: indicating its status is Locked

Unlocked

GET Only: indicating its status is Unlocked

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Sub Unit : IPOD

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date: \$

\$Revision: \$

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ARTIST

Command Details of SubUnit: IPOD

- **AVAIL**

[GET Command]

@IPOD:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPOD:MODE=Parameter

[GET Command]

@IPOD:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPOD:REPEAT=Parameter

[GET Command]

@IPOD:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPOD:SHUFFLE=Parameter

[GET Command]

@IPOD:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPOD:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPOD:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPOD:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPOD:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPOD:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPOD:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPOD:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

[PUT Command]

@IPOD:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTPAGE**

[PUT Command]

@IPOD:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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- **LISTINFO**

[GET Command]

@IPOD:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPOD:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPOD:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPOD:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPOD:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPOD:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPOD:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPOD:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPOD:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPOD:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@IPOD:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@IPOD:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPOD:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : BT

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: BT

• AVAIL

[GET Command]

@BT:AVAIL=?

Retrieving the connection state of Bluetooth (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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• PAIRING

[PUT Command]

@BT:PAIRING=Parameter

Operating the setting state of Pariring

[Parameters]

Start

PUT Only: changing its state to Start

Cancel

PUT Only: changing its state to Cancel

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- **CONNECT**

- [PUT Command]**

- @BT:CONNECT=Parameter*

- Operating the connection state

- [Parameters]**

- Disconnect*

- PUT Only: changing its state to Disconnect

- Connect*

- PUT Only: changing its state to Connect

[Back To Index](#)

- **CONNECTINFO**

- [GET Command]**

- @BT:CONNECTINFO=?*

- [Parameters]**

- Disconnected*

- Connected*

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- **PLAYBACK**

- [PUT Command]**

- @BT:PLAYBACK=Parameter*

- Operating the playback state

- [Parameters]**

- Stop*

- PUT Only: change its state to Stop

- Pause*

- PUT Only: change its state to Pause

- Play*

- PUT Only: change its state to Play

- |<<*

- PUT Only: change its state to |<<

- meaning Skip Rev

- >>|*

- PUT Only: change its state to >>|

- meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : UAW

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date:: \$

\$Revision: \$

Command Index

1. Others

[AVAIL](#)

Command Details of SubUnit: UAW

- **AVAIL**

[GET Command]

@UAW:AVAIL=?

Retrieving the connection state of UAW (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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Sub Unit : RHAP

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date: \$

\$Revision: \$

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CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: RHAP

- **AVAIL**

[GET Command]

@RHAP:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@RHAP:REPEAT=Parameter

[GET Command]

@RHAP:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@RHAP:SHUFFLE=Parameter

[GET Command]

@RHAP:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@RHAP:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@RHAP:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@RHAP:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@RHAP:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@RHAP:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@RHAP:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@RHAP:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@RHAP:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@RHAP:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @RHAP:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @RHAP:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @RHAP:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@RHAP:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@RHAP:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@RHAP:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@RHAP:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

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- **LINE2TXT**

[GET Command]

@RHAP:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@RHAP:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@RHAP:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@RHAP:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@RHAP:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@RHAP:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@RHAP:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@RHAP:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@RHAP:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@RHAP:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@RHAP:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@RHAP:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@RHAP:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@RHAP:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : SIRIUSIR

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date: \$

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LINE6ATTRIB

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LINE7ATTRIB

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LINE8ATTRIB

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MAXLINE

4. Others

AVAIL

CHNAME

ARTIST

Command Details of SubUnit: SIRIUSIR

- **AVAIL**

[GET Command]

@SIRIUSIR:AVAIL=?

Retrieving the state of network link or the validity of SIRIUS Internet Radio operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@SIRIUSIR:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@SIRIUSIR:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@SIRIUSIR:PLAYBACK=*Parameter*

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• PLAYBACKINFO

[GET Command]

@SIRIUSIR:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• METAINFO

[GET Command]

@SIRIUSIR:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:CHNAME", "@XXXX:ARTIST" and "@XXXX:SONG" (XXXX = SubUnit name)

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• CHNAME

[GET Command]

@SIRIUSIR:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ARTIST**

[GET Command]

@SIRIUSIR:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **SONG**

[GET Command]

@SIRIUSIR:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **LISTSEL**

[PUT Command]

@SIRIUSIR:LISTSEL=*Parameter*

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @SIRIUSIR:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @SIRIUSIR:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @SIRIUSIR:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @SIRIUSIR:LISTLAYER=?*

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• **LISTLAYERNAME**

[GET Command]

@SIRIUSIR:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@SIRIUSIR:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@SIRIUSIR:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@SIRIUSIR:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATTRIB**

[GET Command]

@SIRIUSIR:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE3TXT**

[GET Command]

@SIRIUSIR:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATTRIB**

[GET Command]

@SIRIUSIR:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE4TXT**

[GET Command]

@SIRIUSIR:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATTRIB**

[GET Command]

@SIRIUSIR:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE5TXT**

[GET Command]

@SIRIUSIR:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@SIRIUSIR:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@SIRIUSIR:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@SIRIUSIR:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@SIRIUSIR:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@SIRIUSIR:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@SIRIUSIR:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@SIRIUSIR:LINE8ATTRIB=?

[Parameters]

Parameters are the same as *LINE1ATTRIB*

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- **CURRLINE**

[GET Command]

@SIRIUSIR:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@SIRIUSIR:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PANDORA

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date: \$

\$Revision: \$

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CURRLINE

MAXLINE

4. Others

AVAIL

BOOKMARK

FEEDBACK

Command Details of SubUnit: PANDORA

- **AVAIL**

[GET Command]

@PANDORA:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@PANDORA:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@PANDORA:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@PANDORA:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Fwd

PUT Only: change its state to Skip Fwd

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- **BOOKMARK**

[PUT Command]

@PANDORA:BOOKMARK=Parameter

[Parameters]

Song

Artist

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- **FEEDBACK**

[PUT Command]

@PANDORA:FEEDBACK=Parameter

[GET Command]

@PANDORA:FEEDBACK=?

Operating & retrieving thumbs up/down state

[Parameters]

GET Only

Thumb Down

PUT: change its state to Thumb Down / GET: indicating its state is Thumb Down

Thumb Up

PUT: change its state to Thumb Up / GET: indicating its state is Thumb Up

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- **PLAYBACKINFO**

- [GET Command]**

- @PANDORA:PLAYBACKINFO=?

- Retrieving the playback state

- Initial Auto Feedback is Available

- [Parameters]**

- Stop*

- GET Only: indicating its state is Stop

- Pause*

- GET Only: indicating its state is Pause

- Play*

- GET Only: indicating its state is Play

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- **METAINFO**

- [GET Command]**

- @PANDORA:METAINFO=?

- GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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- **SONG**

- [GET Command]**

- @PANDORA:SONG=?

- Retrieving Artist Name

- Initial Auto Feedback is Available

- [Parameters]**

- Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)*

- GET Only

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- **ALBUM**

- [GET Command]**

- @PANDORA:ALBUM=?

- Retrieving Album Title

- Initial Auto Feedback is Available

- [Parameters]**

- Parameters are the same as [SONG](#)*

- **STATION**

[GET Command]

@PANDORA:STATION=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [SONG](#)

- **LISTSEL**

[PUT Command]

@PANDORA:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

- **LISTCURSOR**

[PUT Command]

@PANDORA:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTPAGE**

- [PUT Command]**

- @PANDORA:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PANDORA:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @PANDORA:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

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- **LISTLAYERNAME**

- [GET Command]**

@PANDORA:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@PANDORA:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@PANDORA:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@PANDORA:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATRIB**

[GET Command]

@PANDORA:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATRIB**

[GET Command]

@PANDORA:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATRIB**

[GET Command]

@PANDORA:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATRIB**

[GET Command]

@PANDORA:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@PANDORA:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@PANDORA:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@PANDORA:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@PANDORA:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@PANDORA:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@PANDORA:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@PANDORA:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PANDORA:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NAPSTER

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: NAPSTER

- **AVAIL**

[GET Command]

@NAPSTER:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@NAPSTER:REPEAT=Parameter

[GET Command]

@NAPSTER:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@NAPSTER:SHUFFLE=Parameter

[GET Command]

@NAPSTER:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@NAPSTER:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@NAPSTER:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@NAPSTER:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

/<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@NAPSTER:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NAPSTER:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@NAPSTER:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

- **ALBUM**

[GET Command]

@NAPSTER:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **LISTSEL**

[PUT Command]

@NAPSTER:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

- **LISTCURSOR**

[PUT Command]

@NAPSTER:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

- **LISTPAGE**

[PUT Command]

@NAPSTER:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

- **LISTINFO**

[GET Command]

@NAPSTER:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@NAPSTER:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NAPSTER:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@NAPSTER:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@NAPSTER:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

- **LINE2TXT**

[GET Command]

@NAPSTER:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@NAPSTER:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NAPSTER:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NAPSTER:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE8TXT**

[GET Command]

@NAPSTER:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@NAPSTER:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@NAPSTER:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NAPSTER:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PC

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date: \$

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: PC

- **AVAIL**

[GET Command]

@PC:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@PC:REPEAT=Parameter

[GET Command]

@PC:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@PC:SHUFFLE=Parameter

[GET Command]

@PC:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@PC:PRESET=*Parameter*

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@PC:MEM=*Parameter*

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@PC:PLAYBACK=*Parameter*

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@PC:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@PC:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@PC:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@PC:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@PC:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@PC:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 8

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @PC:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @PC:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PC:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@PC:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@PC:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@PC:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@PC:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@PC:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@PC:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@PC:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@PC:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@PC:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@PC:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

- **LINE5TXT**

[GET Command]

@PC:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@PC:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@PC:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@PC:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@PC:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@PC:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@PC:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@PC:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@PC:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PC:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NETRADIO

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date:: \$

\$Revision: \$

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4. Others

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Command Details of SubUnit: NETRADIO

- **AVAIL**

[GET Command]

@NETRADIO:AVAIL=?

Retrieving the state of network link or the validity of NET RADIO operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@NETRADIO:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@NETRADIO:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@NETRADIO:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• **PLAYBACKINFO**

[GET Command]

@NETRADIO:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NETRADIO:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:STATION" Only (XXXX = SubUnit name)

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• **STATION**

[GET Command]

@NETRADIO:STATION=?

Retrieving Station Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LISTSEL**

[PUT Command]

@NETRADIO:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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• **LISTCURSOR**

[PUT Command]

@NETRADIO:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTPAGE**

[PUT Command]

@NETRADIO:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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• BOOKMARK

[PUT Command]

@NETRADIO:BOOKMARK=Parameter

Operating the Bookmark

[Parameters]

Off

PUT Only: Bookmark Off the current playback station

On

PUT Only: Bookmark On the current playback station

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• LISTINFO

[GET Command]

@NETRADIO:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@NETRADIO:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@NETRADIO:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• LINE2TXT

[GET Command]

@NETRADIO:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• LINE2ATRIB

[GET Command]

@NETRADIO:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NETRADIO:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NETRADIO:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NETRADIO:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NETRADIO:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NETRADIO:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@NETRADIO:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

- [GET Command]**

- @NETRADIO:LINE6TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE6ATRIB**

- [GET Command]**

- @NETRADIO:LINE6ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE7TXT**

- [GET Command]**

- @NETRADIO:LINE7TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE7ATRIB**

- [GET Command]**

- @NETRADIO:LINE7ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE8TXT**

- [GET Command]**

- @NETRADIO:LINE8TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE8ATRIB**

- [GET Command]**

- @NETRADIO:LINE8ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **CURRLINE**

- [GET Command]**

@NETRADIO:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NETRADIO:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : USB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE6ATTRIB

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LINE7ATTRIB

LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

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SHUFFLE

Command Details of SubUnit: USB

- **AVAIL**

[GET Command]

@USB:AVAIL=?

Retrieving the connection state of USB (device) or the validity of USB operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@USB:REPEAT=Parameter

[GET Command]

@USB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@USB:SHUFFLE=Parameter

[GET Command]

@USB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@USB:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@USB:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@USB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@USB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@USB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@USB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ALBUM**

[GET Command]

@USB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@USB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@USB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @USB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @USB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @USB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available*

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- **LISTLAYER**

- [GET Command]**

- @USB:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

- **LISTLAYERNAME**

[GET Command]

@USB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@USB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@USB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@USB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE2ATRIB**

[GET Command]

@USB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@USB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@USB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@USB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@USB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : IPODUSB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A1010

Product Region: USA

\$Date: \$

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CURRLINE

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4. Others

AVAIL

REPEAT

SHUFFLE

ARTIST

Command Details of SubUnit: IPODUSB

- **AVAIL**

[GET Command]

@IPODUSB:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPODUSB:MODE=Parameter

[GET Command]

@IPODUSB:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPODUSB:REPEAT=Parameter

[GET Command]

@IPODUSB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPODUSB:SHUFFLE=Parameter

[GET Command]

@IPODUSB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPODUSB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPODUSB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPODUSB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPODUSB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPODUSB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPODUSB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPODUSB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPODUSB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPODUSB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPODUSB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPODUSB:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPODUSB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPODUSB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPODUSB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPODUSB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPODUSB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPODUSB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPODUSB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPODUSB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPODUSB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPODUSB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPODUSB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPODUSB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPODUSB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPODUSB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@IPODUSB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@IPODUSB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPODUSB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : SYS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: SYS

- **MODELNAME**

[GET Command]

@SYS:MODELNAME=?

Retrieving Model Name

[Parameters]

Character Code: Ascii, Variable Length (1 to 16 characters)

GET Only

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• **VERSION**

[GET Command]

@SYS:VERSION=?

Retrieving the version of software.

[Parameters]

Character Code: Ascii, Fixed 9 characters

GET Only

Value string is in a format of "x.xx/y.yy"; x.xx = System Version, y.yy = Command Protocol Version.

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• **INPNAME**

[GET Command]

@SYS:INPNAME=?

Retrieving each input's renamed info at a time.

Each response command forms like @SYS:INPNAMExxxx=XXXX (xxxx: Default Input Name, XXXX: Renamed Info)

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• **INPNAMEMULTICH**

[GET Command]

@SYS:INPNAMEMULTICH=?

Retrieving renamed info of MULTICH

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

GET Only

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• **INPNAMEPHONO**

[GET Command]

@SYS:INPNAMEPHONO=?

Retrieving renamed info of PHONO

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV1**

- [GET Command]**

- @SYS:INPNAMEAV1=?*

- Retrieving renamed info of AV1

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEAV2**

- [GET Command]**

- @SYS:INPNAMEAV2=?*

- Retrieving renamed info of AV2

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEAV3**

- [GET Command]**

- @SYS:INPNAMEAV3=?*

- Retrieving renamed info of AV3

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEAV4**

- [GET Command]**

- @SYS:INPNAMEAV4=?*

- Retrieving renamed info of AV4

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEAV5**

- [GET Command]**

- @SYS:INPNAMEAV5=?*

- Retrieving renamed info of AV5

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEAV6**

- [GET Command]**

@SYS:INPNAMEAV6=?

Retrieving renamed info of AV6

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEAV7**

[GET Command]

@SYS:INPNAMEAV7=?

Retrieving renamed info of AUDIO3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEVAUX**

[GET Command]

@SYS:INPNAMEVAUX=?

Retrieving renamed info of VAUX

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEAUDIO1**

[GET Command]

@SYS:INPNAMEAUDIO1=?

Retrieving renamed info of AUDIO1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEAUDIO2**

[GET Command]

@SYS:INPNAMEAUDIO2=?

Retrieving renamed info of AUDIO2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEAUDIO3**

[GET Command]

@SYS:INPNAMEAUDIO3=?

Retrieving renamed info of AUDIO3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAUDIO4**

[GET Command]

@SYS:INPNAMEAUDIO4=?

Retrieving renamed info of AUDIO4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEDOCK**

[GET Command]

@SYS:INPNAMEDOCK=?

Retrieving renamed info of DOCK

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEUSB**

[GET Command]

@SYS:INPNAMEUSB=?

Retrieving renamed info of USB

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **PWR**

[PUT Command]

@SYS:PWR=Parameter

[GET Command]

@SYS:PWR=?

Operating & retrieving All Zones power state.

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

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- **PARTY**

[PUT Command]

@SYS:PARTY=Parameter

[GET Command]

@SYS:PARTY=?

Operating & retrieving Party Mode state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

On

PUT: turning its state to On / GET: indicating On status.

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• **PARTYVOL**

[PUT Command]

@SYS:PARTYVOL=Parameter

Operating Party Mode Volume

[Parameters]

Down

PUT Only: decrementing the volume by 1 step

Up

PUT Only: incrementing the volume by 1 step

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• **PARTYMUTE**

[PUT Command]

@SYS:PARTYMUTE=Parameter

Operating Party Mode Muting state

[Parameters]

Off

PUT Only: un-muting Party Mode

On

PUT Only: muting Party Mode

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• **VIDANLGCONV**

[PUT Command]

@SYS:VIDANLGCONV=Parameter

[GET Command]

@SYS:VIDANLGCONV=?

Operating & retrieving Analog Video Conversion setting state.

[Parameters]

Off

PUT: setting to Off / GET: indicating Off status.

On

PUT: setting to On / GET: indicating On status.

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- **SPPATTERN**

[PUT Command]

@SYS:SPPATTERN=Parameter

[GET Command]

@SYS:SPPATTERN=?

Operating & retrieving Speaker Pattern setting state.

[Parameters]

Pattern 1

PUT: setting to Pattern1 / GET: indicating its setting at Pattern1.

Pattern 2

PUT: setting to Pattern2 / GET: indicating its setting at Pattern2.

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- **SPPATTERN1AMP**

[PUT Command]

@SYS:SPPATTERN1AMP=Parameter

[GET Command]

@SYS:SPPATTERN1AMP=?

Operating & retrieving Amp Assign setting state for Speaker Pattern1.

[Parameters]

Basic

PUT: setting to Basic / GET: indicating its setting at Basic.

7ch +1ZONE

PUT: setting to 7ch +1ZONE / GET: indicating its setting at 7ch +1ZONE.

9ch +1ZONE

PUT: setting to 9ch +1ZONE / GET: indicating its setting at 9ch +1ZONE.

7ch +2ZONE

PUT: setting to 7ch +2ZONE / GET: indicating its setting at 7ch +2ZONE.

7ch +FRONT+1ZONE

PUT: setting to 7ch +FRONT+1ZONE / GET: indicating its setting at 7ch +FRONT+1ZONE.

5ch +FRONT+2ZONE

PUT: setting to 5ch +FRONT+2ZONE / GET: indicating its setting at 5ch +FRONT+2ZONE.

7ch BI-AMP

PUT: setting to 7ch BI-AMP / GET: indicating its setting at 7ch BI-AMP.

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- **SPPATTERN1FRNTCNFG**

[PUT Command]

@SYS:SPPATTERN1FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTCNFG=?

Operating & retrieving Front Ch Configuration setting state for Speaker Pattern1.

[Parameters]

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1FRNTCRSOVR**

[PUT Command]

@SYS:SPPATTERN1FRNTCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTCRSOVR=?

Operating & retrieving Front Ch Crossover Frequency setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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- **SPPATTERN1CENTCNFG**

[PUT Command]

@SYS:SPPATTERN1CENTCNFG=*Parameter*

[GET Command]

@SYS:SPPATTERN1CENTCNFG=?

Operating & retrieving Center Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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• SPPATTERN1CENTCRSOVR

[PUT Command]

@SYS:SPPATTERN1CENTCRSOVR=*Parameter*

[GET Command]

@SYS:SPPATTERN1CENTCRSOVR=?

Operating & retrieving Center Ch Crossover Frequency setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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- **SPPATTERN1SURCNFG**

[PUT Command]

@SYS:SPPATTERN1SURCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURCNFG=?

Operating & retrieving Surround Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1SURCRSOVR**

[PUT Command]

@SYS:SPPATTERN1SURCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1SURCRSOVR=?

Operating & retrieving Surround Ch Crossover Frequency setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

- **SPPATTERN1SURBCNFG**

[PUT Command]

@SYS:SPPATTERN1SURBCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURBCNFG=?

Operating & retrieving Surround Back Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small x1

PUT: setting to Small x1 / GET: indicating its setting at Small x1.

Large x1

PUT: setting to Large x1 / GET: indicating its setting at Large x1.

Small x2

PUT: setting to Small x2 / GET: indicating its setting at Small x2.

Large x2

PUT: setting to Large x2 / GET: indicating its setting at Large x2.

- **SPPATTERN1SURBCRSOVR**

[PUT Command]

@SYS:SPPATTERN1SURBCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1SURBCRSOVR=?

Operating & retrieving Surround Back Ch Crossover Frequency setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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- **SPPATTERN1FRNTPRES**

[PUT Command]

@SYS:SPPATTERN1FRNTPRES=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTPRES=?

Operating & retrieving Front Presence Ch setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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- **SPPATTERN1REARPRES**

[PUT Command]

@SYS:SPPATTERN1REARPRES=Parameter

[GET Command]

@SYS:SPPATTERN1REARPRES=?

Operating & retrieving Rear Presence Ch setting state for Speaker Pattern1.

[Parameters]

Parameters are the same as [SPPATTERN1FRNTPRES](#)

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- **SPPATTERN1SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN1SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1CNFG=?

Operating & retrieving Subwoofer1 Configuration state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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- **SPPATTERN1SWFR1PHASE**

[PUT Command]

@SYS:SPPATTERN1SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1PHASE=?

Operating & retrieving Subwoofer1 Phase setting state for Speaker Pattern1.

[Parameters]

Normal

PUT: setting to Normal / GET: indicating its setting at Normal.

Reverse

PUT: setting to Reverse / GET: indicating its setting at Reverse.

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- **SPPATTERN1SWFR2CNFG**

[PUT Command]

@SYS:SPPATTERN1SWFR2CNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR2CNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR1CNFG](#)

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- **SPPATTERN1SWFR2PHASE**

[PUT Command]

@SYS:SPPATTERN1SWFR2PHASE=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR2PHASE=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR1PHASE](#)

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- **SPPATTERN1SWFRLAYOUT**

[PUT Command]

@SYS:SPPATTERN1SWFRLAYOUT=Parameter

[GET Command]

@SYS:SPPATTERN1SWFRLAYOUT=?

Operating & retrieving Subwoofer Layout Setting state for Speaker Pattern1.

[Parameters]

Left & Right

PUT: setting to Left & Right / GET: indicating its setting at Left & Right.

Front & Rear

PUT: setting to Front & Rear / GET: indicating its setting at Front & Rear.

Monaural x2

PUT: setting to Monaural x2 / GET: indicating its setting at Monaural x2.

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- **SPPATTERN1EXBASS**

[PUT Command]

@SYS:SPPATTERN1EXBASS=Parameter

[GET Command]

@SYS:SPPATTERN1EXBASS=?

Operating & retrieving Extra Bass Setting state for Speaker Pattern1.

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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- **SPPATTERN2AMP**

[PUT Command]

@SYS:SPPATTERN2AMP=Parameter

[GET Command]

@SYS:SPPATTERN2AMP=?

[Parameters]

Parameters are the same as [SPPATTERN1AMP](#)

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- **SPPATTERN2FRNTCNFG**

[PUT Command]

@SYS:SPPATTERN2FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTCNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1FRNTCNFG](#)

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- **SPPATTERN2FRNTRSOVR**

[PUT Command]

@SYS:SPPATTERN2FRNTRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTRSOVR=?

[Parameters]

Parameters are the same as [SPPATTERN1FRNTRSOVR](#)

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- **SPPATTERN2CENTCNFG**

- [PUT Command]**

- @SYS:SPPATTERN2CENTCNFG=Parameter*

- [GET Command]**

- @SYS:SPPATTERN2CENTCNFG=?*

- [Parameters]**

- Parameters are the same as [SPPATTERN1CENTCNFG](#)*

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- **SPPATTERN2CENTCRSOVR**

- [PUT Command]**

- @SYS:SPPATTERN2CENTCRSOVR=Parameter*

- [GET Command]**

- @SYS:SPPATTERN2CENTCRSOVR=?*

- [Parameters]**

- Parameters are the same as [SPPATTERN1CENTCRSOVR](#)*

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- **SPPATTERN2SURCNFG**

- [PUT Command]**

- @SYS:SPPATTERN2SURCNFG=Parameter*

- [GET Command]**

- @SYS:SPPATTERN2SURCNFG=?*

- [Parameters]**

- Parameters are the same as [SPPATTERN1SURCNFG](#)*

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- **SPPATTERN2SURCRSOVR**

- [PUT Command]**

- @SYS:SPPATTERN2SURCRSOVR=Parameter*

- [GET Command]**

- @SYS:SPPATTERN2SURCRSOVR=?*

- [Parameters]**

- Parameters are the same as [SPPATTERN1SURCRSOVR](#)*

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- **SPPATTERN2SURBCNFG**

- [PUT Command]**

- @SYS:SPPATTERN2SURBCNFG=Parameter*

- [GET Command]**

- @SYS:SPPATTERN2SURBCNFG=?*

- [Parameters]**

- Parameters are the same as [SPPATTERN1SURBCNFG](#)*

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- **SPPATTERN2SURBCRSOVR**

[PUT Command]

@SYS:SPPATTERN2SURBCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN2SURBCRSOVR=?

[Parameters]

Parameters are the same as [SPPATTERN1SURBCRSOVR](#)

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- **SPPATTERN2FRNTPRES**

[PUT Command]

@SYS:SPPATTERN2FRNTPRES=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTPRES=?

[Parameters]

Parameters are the same as [SPPATTERN1FRNTPRES](#)

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- **SPPATTERN2REARPRES**

[PUT Command]

@SYS:SPPATTERN2REARPRES=Parameter

[GET Command]

@SYS:SPPATTERN2REARPRES=?

[Parameters]

Parameters are the same as [SPPATTERN1REARPRES](#)

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- **SPPATTERN2SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN2SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR1CNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR1CNFG](#)

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- **SPPATTERN2SWFR1PHASE**

[PUT Command]

@SYS:SPPATTERN2SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR1PHASE=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR1PHASE](#)

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- **SPPATTERN2SWFR2CNFG**

- [PUT Command]**

- @SYS:SPPATTERN2SWFR2CNFG=Parameter*

- [GET Command]**

- @SYS:SPPATTERN2SWFR2CNFG=?*

- [Parameters]**

- Parameters are the same as [SPPATTERN1SWFR2CNFG](#)*

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- **SPPATTERN2SWFR2PHASE**

- [PUT Command]**

- @SYS:SPPATTERN2SWFR2PHASE=Parameter*

- [GET Command]**

- @SYS:SPPATTERN2SWFR2PHASE=?*

- [Parameters]**

- Parameters are the same as [SPPATTERN1SWFR2PHASE](#)*

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- **SPPATTERN2SWFRLAYOUT**

- [PUT Command]**

- @SYS:SPPATTERN2SWFRLAYOUT=Parameter*

- [GET Command]**

- @SYS:SPPATTERN2SWFRLAYOUT=?*

- [Parameters]**

- Parameters are the same as [SPPATTERN1SWFRLAYOUT](#)*

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- **SPPATTERN2EXBASS**

- [PUT Command]**

- @SYS:SPPATTERN2EXBASS=Parameter*

- [GET Command]**

- @SYS:SPPATTERN2EXBASS=?*

- [Parameters]**

- Parameters are the same as [SPPATTERN1EXBASS](#)*

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- **DMCCONTROL**

- [PUT Command]**

- @SYS:DMCCONTROL=Parameter*

- [GET Command]**

- @SYS:DMCCONTROL=?*

- Operating & retrieving DMC Control Setting state

- Initial Auto Feedback is Available

[Parameters]

Disable

PUT: setting to Disable / GET: indicating its setting at Disable.

Enable

PUT: setting to Enable / GET: indicating its setting at Enable.

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• **YNCAPORT**

[PUT Command]

@SYS:YNCAPORT=Parameter

[GET Command]

@SYS:YNCAPORT=?

Operating & retrieving TCP Port Setting state for YNCA commands.

[Parameters]

Numerical Number: 50000 to 65535, Step: 1

PUT: setting to the specified number. / GET: indicating its setting with the retrieved value. The Default value is 50000.

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• **TRIG1MANUAL**

[PUT Command]

@SYS:TRIG1MANUAL=Parameter

[GET Command]

@SYS:TRIG1MANUAL=?

Operating & retrieving Manual Operating state for Trigger Out 1.

[Parameters]

Lo

PUT: turning its state to Lo / GET: indicating its status at Lo.

Hi

PUT: turning its state to Hi / GET: indicating its status at Hi.

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• **TRIG1TYPE**

[PUT Command]

@SYS:TRIG1TYPE=Parameter

[GET Command]

@SYS:TRIG1TYPE=?

Operating & retrieving Trigger Type Setting state for Trigger Out 1.

[Parameters]

Manual

PUT: setting to Manual / GET: indicating its setting at Manual.

Power

PUT: setting to Power / GET: indicating its setting at Power.

Zone and Input

PUT: setting to Zone and Input / GET: indicating its setting at Zone and Input.

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• TRIG1ZONE

[PUT Command]

@SYS:TRIG1ZONE=Parameter

[GET Command]

@SYS:TRIG1ZONE=?

Operating & retrieving Zone Setting state of Trigger Type "Zone and Input" for Trigger Out 1.

[Parameters]

Main Zone

PUT: setting to Main Zone / GET: indicating its setting at Main Zone.

Zone2

PUT: setting to Zone2 / GET: indicating its setting at Zone2.

Zone3

PUT: setting to Zone3 / GET: indicating its setting at Zone3.

All

PUT: setting to All / GET: indicating its setting at All.

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• TRIG1INPSIRIUS

[PUT Command]

@SYS:TRIG1INPSIRIUS=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUS=?

Operating & retrieving the setting state for Input of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Lo

PUT: setting to Lo / GET: indicating its setting at Lo.

Hi

PUT: setting to Hi / GET: indicating its setting at Hi.

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• TRIG1INPTUNER

[PUT Command]

@SYS:TRIG1INPTUNER=Parameter

[GET Command]

@SYS:TRIG1INPTUNER=?

Operating & retrieving the setting state for Input TUNER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPMULTICH**

[PUT Command]

@SYS:TRIG1INPMULTICH=Parameter

[GET Command]

@SYS:TRIG1INPMULTICH=?

Operating & retrieving the setting state for Input MULTICH of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPPHONO**

[PUT Command]

@SYS:TRIG1INPPHONO=Parameter

[GET Command]

@SYS:TRIG1INPPHONO=?

Operating & retrieving the setting state for Input PHONO of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV1**

[PUT Command]

@SYS:TRIG1INPAV1=Parameter

[GET Command]

@SYS:TRIG1INPAV1=?

Operating & retrieving the setting state for Input AV1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV2**

[PUT Command]

@SYS:TRIG1INPAV2=Parameter

[GET Command]

@SYS:TRIG1INPAV2=?

Operating & retrieving the setting state for Input AV2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV3**

[PUT Command]

@SYS:TRIG1INPAV3=Parameter

[GET Command]

@SYS:TRIG1INPAV3=?

Operating & retrieving the setting state for Input AV3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAV4**[PUT Command]**

@SYS:TRIG1INPAV4=Parameter

[GET Command]

@SYS:TRIG1INPAV4=?

Operating & retrieving the setting state for Input AV4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAV5**[PUT Command]**

@SYS:TRIG1INPAV5=Parameter

[GET Command]

@SYS:TRIG1INPAV5=?

Operating & retrieving the setting state for Input AV5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAV6**[PUT Command]**

@SYS:TRIG1INPAV6=Parameter

[GET Command]

@SYS:TRIG1INPAV6=?

Operating & retrieving the setting state for Input AV6 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAV7**[PUT Command]**

@SYS:TRIG1INPAV7=Parameter

[GET Command]

@SYS:TRIG1INPAV7=?

Operating & retrieving the setting state for Input AV7 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPVAUX**

[PUT Command]

@SYS:TRIG1INPVAUX=Parameter

[GET Command]

@SYS:TRIG1INPVAUX=?

Operating & retrieving the setting state for Input VAUX of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO1**

[PUT Command]

@SYS:TRIG1INPAUDIO1=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO1=?

Operating & retrieving the setting state for Input AUDIO1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO2**

[PUT Command]

@SYS:TRIG1INPAUDIO2=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO2=?

Operating & retrieving the setting state for Input AUDIO2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO3**

[PUT Command]

@SYS:TRIG1INPAUDIO3=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO3=?

Operating & retrieving the setting state for Input AUDIO3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO4**

[PUT Command]

@SYS:TRIG1INPAUDIO4=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO4=?

Operating & retrieving the setting state for Input AUDIO4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPDOCK**

[PUT Command]

@SYS:TRIG1INPDOCK=Parameter

[GET Command]

@SYS:TRIG1INPDOCK=?

Operating & retrieving the setting state for Input DOCK of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPIPOD**

[PUT Command]

@SYS:TRIG1INPIPOD=Parameter

[GET Command]

@SYS:TRIG1INPIPOD=?

Operating & retrieving the setting state for Input IPOD of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPBT**

[PUT Command]

@SYS:TRIG1INPBT=Parameter

[GET Command]

@SYS:TRIG1INPBT=?

Operating & retrieving the setting state for Input BT of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPUAW**

[PUT Command]

@SYS:TRIG1INPUAW=*Parameter*

[GET Command]

@SYS:TRIG1INPUAW=?

Operating & retrieving the setting state for Input UAW of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPNET**[PUT Command]**

@SYS:TRIG1INPNET=*Parameter*

[GET Command]

@SYS:TRIG1INPNET=?

Operating & retrieving the setting state for Input NET of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPRHAPSODY**[PUT Command]**

@SYS:TRIG1INPRHAPSODY=*Parameter*

[GET Command]

@SYS:TRIG1INPRHAPSODY=?

Operating & retrieving the setting state for Input RHAPSODY of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPSIRIUSIR**[PUT Command]**

@SYS:TRIG1INPSIRIUSIR=*Parameter*

[GET Command]

@SYS:TRIG1INPSIRIUSIR=?

Operating & retrieving the setting state for Input SIRIUSIR of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPPANDORA**[PUT Command]**

@SYS:TRIG1INPPANDORA=*Parameter*

[GET Command]

@SYS:TRIG1INPPANDORA=?

Operating & retrieving the setting state for Input PANDORA of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPNAPSTER

[PUT Command]

@SYS:TRIG1INPNAPSTER=Parameter

[GET Command]

@SYS:TRIG1INPNAPSTER=?

Operating & retrieving the setting state for Input NAPSTER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPPC

[PUT Command]

@SYS:TRIG1INPPC=Parameter

[GET Command]

@SYS:TRIG1INPPC=?

Operating & retrieving the setting state for Input PC of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPNETRADIO

[PUT Command]

@SYS:TRIG1INPNETRADIO=Parameter

[GET Command]

@SYS:TRIG1INPNETRADIO=?

Operating & retrieving the setting state for Input NETRADIO of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPUSB

[PUT Command]

@SYS:TRIG1INPUSB=Parameter

[GET Command]

@SYS:TRIG1INPUSB=?

Operating & retrieving the setting state for Input USB of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPIPODUSB**

[PUT Command]

@SYS:TRIG1INPIPODUSB=Parameter

[GET Command]

@SYS:TRIG1INPIPODUSB=?

Operating & retrieving the setting state for Input IPODUSB of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG2MANUAL**

[PUT Command]

@SYS:TRIG2MANUAL=Parameter

[GET Command]

@SYS:TRIG2MANUAL=?

[Parameters]

Parameters are the same as [TRIG1MANUAL](#)

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• **TRIG2TYPE**

[PUT Command]

@SYS:TRIG2TYPE=Parameter

[GET Command]

@SYS:TRIG2TYPE=?

[Parameters]

Parameters are the same as [TRIG1TYPE](#)

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• **TRIG2ZONE**

[PUT Command]

@SYS:TRIG2ZONE=Parameter

[GET Command]

@SYS:TRIG2ZONE=?

[Parameters]

Parameters are the same as [TRIG1ZONE](#)

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• **TRIG2INPSIRIUS**

[PUT Command]

@SYS:TRIG2INPSIRIUS=Parameter

[GET Command]

@SYS:TRIG2INPSIRIUS=?

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG2INPTUNER**

[PUT Command]

@SYS:TRIG2INPTUNER=Parameter

[GET Command]

@SYS:TRIG2INPTUNER=?

[Parameters]

Parameters are the same as [TRIG1INPTUNER](#)

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• **TRIG2INPMULTICH**

[PUT Command]

@SYS:TRIG2INPMULTICH=Parameter

[GET Command]

@SYS:TRIG2INPMULTICH=?

[Parameters]

Parameters are the same as [TRIG1INPMULTICH](#)

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• **TRIG2INPPHONO**

[PUT Command]

@SYS:TRIG2INPPHONO=Parameter

[GET Command]

@SYS:TRIG2INPPHONO=?

[Parameters]

Parameters are the same as [TRIG1INPPHONO](#)

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• **TRIG2INPAV1**

[PUT Command]

@SYS:TRIG2INPAV1=Parameter

[GET Command]

@SYS:TRIG2INPAV1=?

[Parameters]

Parameters are the same as [TRIG1INPAV1](#)

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• **TRIG2INPAV2**

[PUT Command]

@SYS:TRIG2INPAV2=Parameter

[GET Command]

@SYS:TRIG2INPAV2=?

[Parameters]

Parameters are the same as [TRIG1INPAV2](#)

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• **TRIG2INPAV3**

[PUT Command]

@SYS:TRIG2INPAV3=Parameter

[GET Command]

@SYS:TRIG2INPAV3=?

[Parameters]

Parameters are the same as [TRIG1INPAV3](#)

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• **TRIG2INPAV4**

[PUT Command]

@SYS:TRIG2INPAV4=Parameter

[GET Command]

@SYS:TRIG2INPAV4=?

[Parameters]

Parameters are the same as [TRIG1INPAV4](#)

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• **TRIG2INPAV5**

[PUT Command]

@SYS:TRIG2INPAV5=Parameter

[GET Command]

@SYS:TRIG2INPAV5=?

[Parameters]

Parameters are the same as [TRIG1INPAV5](#)

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• **TRIG2INPAV6**

[PUT Command]

@SYS:TRIG2INPAV6=Parameter

[GET Command]

@SYS:TRIG2INPAV6=?

[Parameters]

Parameters are the same as [TRIG1INPAV6](#)

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• **TRIG2INPAV7**

[PUT Command]

@SYS:TRIG2INPAV7=Parameter

[GET Command]

@SYS:TRIG2INPAV7=?

[Parameters]

Parameters are the same as [TRIG1INPAV7](#)

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• **TRIG2INPVAUX**

[PUT Command]

@SYS:TRIG2INPVAUX=Parameter

[GET Command]

@SYS:TRIG2INPVAUX=?

[Parameters]

Parameters are the same as [TRIG1INPVAUX](#)

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• **TRIG2INPAUDIO1**

[PUT Command]

@SYS:TRIG2INPAUDIO1=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO1=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO1](#)

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• **TRIG2INPAUDIO2**

[PUT Command]

@SYS:TRIG2INPAUDIO2=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO2=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO2](#)

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• **TRIG2INPAUDIO3**

[PUT Command]

@SYS:TRIG2INPAUDIO3=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO3=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO3](#)

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• **TRIG2INPAUDIO4**

[PUT Command]

@SYS:TRIG2INPAUDIO4=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO4=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO4](#)

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• **TRIG2INPDOCK**

[PUT Command]

@SYS:TRIG2INPDOCK=Parameter

[GET Command]

@SYS:TRIG2INPDOCK=?

[Parameters]

Parameters are the same as [TRIG1INPDOCK](#)

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• **TRIG2INPIPOD**

[PUT Command]

@SYS:TRIG2INPIPOD=Parameter

[GET Command]

@SYS:TRIG2INPIPOD=?

[Parameters]

Parameters are the same as [TRIG1INPIPOD](#)

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• **TRIG2INPBT**

[PUT Command]

@SYS:TRIG2INPBT=Parameter

[GET Command]

@SYS:TRIG2INPBT=?

[Parameters]

Parameters are the same as [TRIG1INPBT](#)

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• **TRIG2INPUAW**

[PUT Command]

@SYS:TRIG2INPUAW=Parameter

[GET Command]

@SYS:TRIG2INPUAW=?

[Parameters]

Parameters are the same as [TRIG1INPUAW](#)

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TRIG2INPNET

[PUT Command]

@SYS:TRIG2INPNET=Parameter

[GET Command]

@SYS:TRIG2INPNET=?

[Parameters]

Parameters are the same as [TRIG1INPNET](#)

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• TRIG2INPRHAPSODY

[PUT Command]

@SYS:TRIG2INPRHAPSODY=Parameter

[GET Command]

@SYS:TRIG2INPRHAPSODY=?

[Parameters]

Parameters are the same as [TRIG1INPRHAPSODY](#)

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• TRIG2INPSIRIUSIR

[PUT Command]

@SYS:TRIG2INPSIRIUSIR=Parameter

[GET Command]

@SYS:TRIG2INPSIRIUSIR=?

[Parameters]

Parameters are the same as [TRIG1INPSIRIUSIR](#)

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• TRIG2INPPANDORA

[PUT Command]

@SYS:TRIG2INPPANDORA=Parameter

[GET Command]

@SYS:TRIG2INPPANDORA=?

[Parameters]

Parameters are the same as [TRIG1INPPANDORA](#)

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• TRIG2INPNAPSTER

[PUT Command]

@SYS:TRIG2INPNAPSTER=Parameter

[GET Command]

@SYS:TRIG2INPNAPSTER=?

[Parameters]

Parameters are the same as [TRIG1INPNAPSTER](#)

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- **TRIG2INPPC**

- [PUT Command]**

- @SYS:TRIG2INPPC=Parameter*

- [GET Command]**

- @SYS:TRIG2INPPC=?*

- [Parameters]**

- Parameters are the same as [TRIG1INPPC](#)*

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- **TRIG2INPNETRADIO**

- [PUT Command]**

- @SYS:TRIG2INPNETRADIO=Parameter*

- [GET Command]**

- @SYS:TRIG2INPNETRADIO=?*

- [Parameters]**

- Parameters are the same as [TRIG1INPNETRADIO](#)*

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- **TRIG2INPUSB**

- [PUT Command]**

- @SYS:TRIG2INPUSB=Parameter*

- [GET Command]**

- @SYS:TRIG2INPUSB=?*

- [Parameters]**

- Parameters are the same as [TRIG1INPUSB](#)*

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- **TRIG2INPIPODUSB**

- [PUT Command]**

- @SYS:TRIG2INPIPODUSB=Parameter*

- [GET Command]**

- @SYS:TRIG2INPIPODUSB=?*

- [Parameters]**

- Parameters are the same as [TRIG1INPIPODUSB](#)*

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- **MEMGRD**

- [PUT Command]**

- @SYS:MEMGRD=Parameter*

- [GET Command]**

- @SYS:MEMGRD=?*

- Operating & retrieving Memory Guard Setting state*

- [Parameters]**

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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- **REMOTECODE**

[PUT Command]

@SYS:REMOTECODE=Parameter

Operation by specifying IR command codes.

[Parameters]

Character Code: Hex, Fixed 8 characters

PUT Only: 8-digit ASCII (Hex) IR codes are to be specified for its value. See the IR command chart separately provided. [\[Link To the IR Code File\]](#)

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Sub Unit : MAIN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date: \$

\$Revision: \$

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Command Details of SubUnit: MAIN

- **AVAIL**

[GET Command]

@MAIN:AVAIL=?

Retrieving the validity of Main Zone operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

- **ZONENAME**

- [PUT Command]**

- @MAIN:ZONENAME=Parameter*

- [GET Command]**

- @MAIN:ZONENAME=?*

- Setting & retrieving renamed info of Main Zone

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 9 characters)*

- PUT: setting its name / GET: indicating its name

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- **SCENENAME**

- [GET Command]**

- @MAIN:SCENENAME=?*

- Retrieving renamed info of all SCENE presets for Main Zone

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- **SCENE1NAME**

- [GET Command]**

- @MAIN:SCENE1NAME=?*

- Retrieving renamed info of SCENE1

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 20 characters)*

- GET Only

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- **SCENE2NAME**

- [GET Command]**

- @MAIN:SCENE2NAME=?*

- Retrieving renamed info of SCENE2

- [Parameters]**

- Parameters are the same as [SCENE1NAME](#)*

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- **SCENE3NAME**

- [GET Command]**

- @MAIN:SCENE3NAME=?*

- Retrieving renamed info of SCENE3

- [Parameters]**

- Parameters are the same as [SCENE1NAME](#)*

- **SCENE4NAME**

[GET Command]

@MAIN:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE5NAME**

[GET Command]

@MAIN:SCENE5NAME=?

Retrieving renamed info of SCENE5

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE6NAME**

[GET Command]

@MAIN:SCENE6NAME=?

Retrieving renamed info of SCENE6

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE7NAME**

[GET Command]

@MAIN:SCENE7NAME=?

Retrieving renamed info of SCENE7

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE8NAME**

[GET Command]

@MAIN:SCENE8NAME=?

Retrieving renamed info of SCENE8

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE9NAME**

[GET Command]

@MAIN:SCENE9NAME=?

Retrieving renamed info of SCENE9

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• SCENE10NAME

[GET Command]

@MAIN:SCENE10NAME=?

Retrieving renamed info of SCENE10

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• SCENE11NAME

[GET Command]

@MAIN:SCENE11NAME=?

Retrieving renamed info of SCENE11

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• SCENE12NAME

[GET Command]

@MAIN:SCENE12NAME=?

Retrieving renamed info of SCENE12

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• BASIC

[GET Command]

@MAIN:BASIC=?

GET Only. Main Zone basic info is retrieved at a time.

Updated by following commands: "@MAIN:PWR", "@MAIN:SLEEP", "@MAIN:VOL", "@MAIN:MUTE", "@MAIN:INP", "@MAIN:STRAIGHT", "@MAIN:ENHANCER" and "@MAIN:SOUNDPRG"

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• PWR

[PUT Command]

@MAIN:PWR=*Parameter*

[GET Command]

@MAIN:PWR=?

Operating & retrieving Power state of Main Zone

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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• SLEEP

[PUT Command]

@MAIN:SLEEP=*Parameter*

[GET Command]

@MAIN:SLEEP=?

Operating & retrieving Sleep setting state of Main Zone

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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• VOL

[PUT Command]

@MAIN:VOL=*Parameter*

[GET Command]

@MAIN:VOL=?

Operating & retrieving Main Zone Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@MAIN:MUTE=*Parameter*

[GET Command]

@MAIN:MUTE=?

Operating & retrieving Main Zone muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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- **MAXVOL**

[PUT Command]

@MAIN:MAXVOL=Parameter

[GET Command]

@MAIN:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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- **INITVOLMODE**

[PUT Command]

@MAIN:INITVOLMODE=Parameter

[GET Command]

@MAIN:INITVOLMODE=?

Operating & retrieving Initial Volume Mode state of Main Zone

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@MAIN:INITVOLLVL=Parameter

[GET Command]

@MAIN:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• INP

[PUT Command]

@MAIN:INP=Parameter

[GET Command]

@MAIN:INP=?

Operating & retrieving Main Zone Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

MULTI CH

PUT: selecting input MULTI CH / GET: indicating current input is MULTI CH

PHONO

PUT: selecting input PHONO / GET: indicating current input is PHONO

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

AV7

PUT: selecting input AV7 / GET: indicating current input is AV7

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

AUDIO3

PUT: selecting input AUDIO3 / GET: indicating current input is AUDIO3

AUDIO4

PUT: selecting input AUDIO4 / GET: indicating current input is AUDIO4

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT Only: selecting input USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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- **AUDSEL**

[PUT Command]

@MAIN:AUDSEL=Parameter

[GET Command]

@MAIN:AUDSEL=?

Operating & retrieving Audio Select setting state

Initial Auto Feedback is Available

Audio Select is for selecting an audio input terminal for the current input. Valid for Main Zone input only.

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Automatically selects audio available terminals. Priority: HDMI > Coax/Opt > Analog

HDMI

PUT: turning its setting state to HDMI / GET: indicating HDMI setting status.

Audio source is fixed to HDMI terminal.

Coax/Opt

PUT: turning its setting state to Coax/Opt / GET: indicating Coax/Opt setting status.

Audio source is fixed to Coax/Opt terminal.

Analog

PUT: turning its setting state to Analog / GET: indicating Analog setting status.

Audio source is fixed to Analog terminal.

Unavailable

GET Only: indicating its setting is currently unavailable.

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- **DECODERSEL**

[PUT Command]

@MAIN:DECODERSEL=Parameter

[GET Command]

@MAIN:DECODERSEL=?

Operating & retrieving Decoder Select setting state

Decoder Select is for selecting an audio decoder specifically.

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Automatically selects audio decoder. Default value.

DTS

PUT: turning its setting state to DTS / GET: indicating DTS setting status.

Audio decoder is fixed to DTS

Unavailable

GET Only: indicating its setting is currently unavailable.

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• SCENE

[PUT Command]

@MAIN:SCENE=Parameter

Recalling Main Zone Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

Scene 5

PUT Only: selecting Scene 5

Scene 6

PUT Only: selecting Scene 6

Scene 7

PUT Only: selecting Scene 7

Scene 8

PUT Only: selecting Scene 12

Scene 9

PUT Only: selecting Scene 9

Scene 10

PUT Only: selecting Scene 10

Scene 11

PUT Only: selecting Scene 11

Scene 12

PUT Only: selecting Scene 12

- **SPBASS**

[PUT Command]

@MAIN:SPBASS=Parameter

[GET Command]

@MAIN:SPBASS=?

Operating & retrieving Bass Tone Control setting state (Effective to speaker output)

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

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- **SPTREBLE**

[PUT Command]

@MAIN:SPTREBLE=Parameter

[GET Command]

@MAIN:SPTREBLE=?

Operating & retrieving Treble Tone Control setting state. (Effective to speaker output)

[Parameters]

Parameters are the same as [SPBASS](#)

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- **PUREDIRMODE**

[PUT Command]

@MAIN:PUREDIRMODE=Parameter

[GET Command]

@MAIN:PUREDIRMODE=?

Operating & retrieving Pure Direct Mode setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **ADAPTIVEDRC**

[PUT Command]

@MAIN:ADAPTIVEDRC=Parameter

[GET Command]

@MAIN:ADAPTIVEDRC=?

Operating & retrieving Adaptive DRC setting state

Adaptive DRC is an automatic Dynamic Range Control feature.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• LIPSYNCMODE

[PUT Command]

@MAIN:LIPSYNCMODE=*Parameter*

[GET Command]

@MAIN:LIPSYNCMODE=?

Operating & retrieving Lipsync Mode setting state

[Parameters]

Manual

PUT: turning its setting state to Manual / GET: indicating Manual setting status.

About "Manual" setting of Lipsync Mode: When selecting "Manual" here, the audio delay value can be manually set. The effective setting of the audio delay value has some dependencies as follows. In case of using Analog Video Output only (no HDMI connection is active), audio delay value set by "@MAIN:ANLGOUT" command is effective. In case that HDMI OUT1 is in active connection, the value set by "@MAIN:HDMIOUT1MANUAL" command works. Else if HDMI OUT2 is the only one activated, the setting by "@MAIN:HDMIOUT2MANUAL" is enabled.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

About Lipsync Mode "Auto": Basically, Audio Delay value has 5 different settings internally according to "Video Output State (5 Status available)". And the 5 different status of "Video Output State" is determined by the combination of two states of "Display's state of compatibility/incompatibility with Auto Lipsync feature" and "Current effective HDMI output state (on the receiver)", which means 4 status, plus a status of "Analog Video Out only in use", summing up to 5 in total. The "Auto" setting of Lipsync Mode is to dynamically change the Audio Delay value corresponding to a specific status of Video Output State. "Video Output State" can be retrieved with a command of "@MAIN:SELINFO", and you can set the effective Audio Delay value according to respective Video Output status by these commands as following;

When "@MAIN:SELINFO=Analog": the audio delay can be set by "@MAIN:ANLGOUT" command

When "@MAIN:SELINFO=HDMI1 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1OFFSET" command

When "@MAIN:SELINFO=HDMI1 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1MANUAL" command

When "@MAIN:SELINFO=HDMI2 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2OFFSET" command

When "@MAIN:SELINFO=HDMI2 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2MANUAL" command

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- **LIPSYNCANLGOUT**

[PUT Command]

@MAIN:LIPSYNCANLGOUT=Parameter

[GET Command]

@MAIN:LIPSYNCANLGOUT=?

Operating & retrieving Audio Delay setting state in case when the Analog Video output is only effective (no HDMI output is in use).

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 500, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT1OFFSET**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=?

Operating & retrieving Audio Delay setting state in case when the Display is compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: -500 to 500, Step: 1

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT1MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=?

Operating & retrieving Audio Delay setting state in case when the Display is NOT compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 500, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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• LIPSYNCHDMIOUT2OFFSET

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1OFFSET](#)

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• LIPSYNCHDMIOUT2MANUAL

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1MANUAL](#)

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• LIPSYNCSELINFO

[GET Command]

@MAIN:LIPSYNCSELINFO=?

Retrieving current Video Output State

[Parameters]

Analog

GET Only: indicating Analog video connection is only available (no HDMI out is in use)

HDMI1 Auto

GET Only: indicating HDMI1 output connection is effective, and the Display is compatible with Auto Lipsync feature.

HDMI1 Manual

GET Only: indicating HDMI1 output connection is effective, and the Display is NOT compatible with Auto Lipsync feature.

HDMI2 Auto

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is compatible with Auto Lipsync feature.

HDMI2 Manual

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is NOT compatible with Auto Lipsync feature.

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• LIPSYNCOFFSETINFO

[GET Command]

@MAIN:LIPSYNCOFFSETINFO=?

Retrieving the Audio Delay Offset value that is reported by the Display compatible with Auto Lipsync feature

[Parameters]

Numerical Number: 0 to 500, Step: 1

The unit for this parameter is "ms".

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• HDMIOUT

[PUT Command]

@MAIN:HDMIOUT=Parameter

[GET Command]

@MAIN:HDMIOUT=?

Operating & retrieving HDMI Output setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off (output is disabled)/ GET: indicating Off setting status.

OUT1

PUT: turning its setting state to OUT1 (HDMI OUT2 is disabled) / GET: indicating OUT1 setting status.

OUT2

PUT: turning its setting state to OUT2 (HDMI OUT1 is disabled) / GET: indicating OUT2 setting status.

OUT1 + 2

PUT: turning its setting state to OUT1 + 2 (Both HDMI OUT1 & 2 are enabled) / GET: indicating OUT1 + 2 setting status.

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• HDMIAUDOUTAMP

[PUT Command]

@MAIN:HDMIAUDOUTAMP=Parameter

[GET Command]

@MAIN:HDMIAUDOUTAMP=?

Operating & retrieving HDMI Audio Output to Amp (Receiver) setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **HDMIAUDOUT1**

[PUT Command]

@MAIN:HDMIAUDOUT1=Parameter

[GET Command]

@MAIN:HDMIAUDOUT1=?

Operating & retrieving HDMI Audio Output to HDMI OUT1 setting state

[Parameters]

Parameters are the same as [HDMIAUDOUTAMP](#)

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- **HDMIAUDOUT2**

[PUT Command]

@MAIN:HDMIAUDOUT2=Parameter

[GET Command]

@MAIN:HDMIAUDOUT2=?

Operating & retrieving HDMI Audio Output to HDMI OUT2 setting state

[Parameters]

Parameters are the same as [HDMIAUDOUTAMP](#)

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- **TVAUDIN1**

[PUT Command]

@MAIN:TVAUDIN1=Parameter

[GET Command]

@MAIN:TVAUDIN1=?

Operating & retrieving TV Audio In: TV1 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT1.

[Parameters]

AUDIO1

PUT: turning its setting state to AUDIO1 / GET: indicating AUDIO1 setting status.

AUDIO2

PUT: turning its setting state to AUDIO2 / GET: indicating AUDIO2 setting status.

AUDIO3

PUT: turning its setting state to AUDIO3 / GET: indicating AUDIO3 setting status.

AUDIO4

PUT: turning its setting state to AUDIO4 / GET: indicating AUDIO4 setting status.

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- **TVAUDIN2**

[PUT Command]

@MAIN:TVAUDIN2=Parameter

[GET Command]

@MAIN:TVAUDIN2=?

Operating & retrieving TV Audio In: TV2 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT2.

[Parameters]

Parameters are the same as [TVAUDIN1](#)

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- **HDMIPROCESSING**

[PUT Command]

@MAIN:HDMIPROCESSING=Parameter

[GET Command]

@MAIN:HDMIPROCESSING=?

Operating & retrieving HDMI Video Processing setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **HDMIASPECT**

[PUT Command]

@MAIN:HDMIASPECT=Parameter

[GET Command]

@MAIN:HDMIASPECT=?

Operating & retrieving HDMI Video Aspect setting state

[Parameters]

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

16:9 Normal

PUT: turning its setting state to 16:9 Normal / GET: indicating 16:9 Normal setting status.

Smart Zoom

PUT: turning its setting state to Smart Zoom / GET: indicating Smart Zoom setting status.

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- **HDMIRESOL**

- [PUT Command]**

- @MAIN:HDMIRESOL=Parameter*

- [GET Command]**

- @MAIN:HDMIRESOL=?*

- Operating & retrieving HDMI Video Resolution setting state

- [Parameters]**

- Auto*

- PUT: turning its setting state to Auto / GET: indicating Auto setting status.

- 480p / 576p*

- PUT: turning its setting state to 480p / 576p / GET: indicating 480p / 576p setting status.

- 720p*

- PUT: turning its setting state to 720p / GET: indicating 720p setting status.

- 1080i*

- PUT: turning its setting state to 1080i / GET: indicating 1080i setting status.

- 1080p*

- PUT: turning its setting state to 1080p / GET: indicating 1080p setting status.

- Through*

- PUT: turning its setting state to Through / GET: indicating Through setting status.

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- **HPBASS**

- [PUT Command]**

- @MAIN:HPBASS=Parameter*

- [GET Command]**

- @MAIN:HPBASS=?*

- Operating & retrieving Bass Tone Control setting state for Headphone

- [Parameters]**

- Numerical Number: -6.0 to 6.0, Step: 0.5*

- PUT: setting to the specified value. / GET: indicating the current value.

- The unit for this parameter is "dB".

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- **HPTREBLE**

- [PUT Command]**

- @MAIN:HPTREBLE=Parameter*

- [GET Command]**

- @MAIN:HPTREBLE=?*

- Operating & retrieving Treble Tone Control setting state for Headphone

- [Parameters]**

- **STRAIGHT**

[PUT Command]

@MAIN:STRAIGHT=Parameter

[GET Command]

@MAIN:STRAIGHT=?

Operating & retrieving STRAIGHT setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **ENHANCER**

[PUT Command]

@MAIN:ENHANCER=Parameter

[GET Command]

@MAIN:ENHANCER=?

Operating & retrieving ENHANCER setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **SOUNDPRG**

[PUT Command]

@MAIN:SOUNDPRG=Parameter

[GET Command]

@MAIN:SOUNDPRG=?

Operating & retrieving DSP SOUND PROGRAM setting state

Initial Auto Feedback is Available

[Parameters]

Hall in Munich

PUT: turning its setting state to Hall in Munich / GET: indicating Hall in Munich setting status.

Hall in Vienna

PUT: turning its setting state to Hall in Vienna / GET: indicating Hall in Vienna setting status.

Hall in Amsterdam

PUT: turning its setting state to Hall in Amsterdam / GET: indicating Hall in Amsterdam setting status.

Church in Freiburg

PUT: turning its setting state to Church in Freiburg / GET: indicating Church in Freiburg setting status.

Church in Royaumont

PUT: turning its setting state to Church in Royaumont / GET: indicating Church in Royaumont setting status.

Chamber

PUT: turning its setting state to Chamber / GET: indicating Chamber setting status.

Village Vanguard

PUT: turning its setting state to Village Vanguard / GET: indicating Village Vanguard setting status.

Warehouse Loft

PUT: turning its setting state to Warehouse Loft / GET: indicating Warehouse Loft setting status.

Cellar Club

PUT: turning its setting state to Cellar Club / GET: indicating Cellar Club setting status.

The Roxy Theatre

PUT: turning its setting state to The Roxy Theatre / GET: indicating The Roxy Theatre setting status.

The Bottom Line

PUT: turning its setting state to The Bottom Line / GET: indicating The Bottom Line setting status.

Sports

PUT: turning its setting state to Sports / GET: indicating Sports setting status.

Action Game

PUT: turning its setting state to Action Game / GET: indicating Action Game setting status.

Roleplaying Game

PUT: turning its setting state to Roleplaying Game / GET: indicating Roleplaying Game setting status.

Music Video

PUT: turning its setting state to Music Video / GET: indicating Music Video setting status.

Recital/Opera

PUT: turning its setting state to Recital/Opera / GET: indicating Recital/Opera setting status.

Standard

PUT: turning its setting state to Standard / GET: indicating Standard setting status.

Spectacle

PUT: turning its setting state to Spectacle / GET: indicating Spectacle setting status.

Sci-Fi

PUT: turning its setting state to Sci-Fi / GET: indicating Sci-Fi setting status.

Adventure

PUT: turning its setting state to Adventure / GET: indicating Adventure setting status.

Drama

PUT: turning its setting state to Drama / GET: indicating Drama setting status.

Mono Movie

PUT: turning its setting state to Mono Movie / GET: indicating Mono Movie setting status.

2ch Stereo

PUT: turning its setting state to 2ch Stereo / GET: indicating 2ch Stereo setting status.

9ch Stereo

PUT: turning its setting state to 9ch Stereo / GET: indicating 9ch Stereo setting status.

Surround Decoder

PUT: turning its setting state to Surround Decoder / GET: indicating Surround Decoder setting status.

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• **ADAPTIVEDSP**

[PUT Command]

@MAIN:ADAPTIVEDSP=Parameter

[GET Command]

@MAIN:ADAPTIVEDSP=?

Operating & retrieving Adaptive DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• **3DCINEMA**

[PUT Command]

@MAIN:3DCINEMA=Parameter

[GET Command]

@MAIN:3DCINEMA=?

Operating & retrieving 3D DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• **EXSURDECODER**

[PUT Command]

@MAIN:EXSURDECODER=Parameter

[GET Command]

@MAIN:EXSURDECODER=?

Operating & retrieving Extended Surround setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

EX/ES

PUT: turning its setting state to EX/ES / GET: indicating EX/ES setting status.

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• 2CHDECODER

[PUT Command]

@MAIN:2CHDECODER=Parameter

[GET Command]

@MAIN:2CHDECODER=?

Operating & retrieving Surround Decoder setting state for 2ch audio signal

It changes to PLII or PLIIx automatically depending on other settings or status.

[Parameters]

Dolby PL

Dolby PLII Movie

PUT: turning its setting state to Dolby PLII Movie / GET: indicating Dolby PLII Movie setting status.

Dolby PLII Music

PUT: turning its setting state to Dolby PLII Music / GET: indicating Dolby PLII Music setting status.

Dolby PLII Game

PUT: turning its setting state to Dolby PLII Game / GET: indicating Dolby PLII Game setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

Dolby PLIIx Game

PUT: turning its setting state to Dolby PLIIx Game / GET: indicating Dolby PLIIx Game setting status.

DTS NEO:6 Cinema

PUT: turning its setting state to DTS NEO:6 Cinema / GET: indicating DTS NEO:6 Cinema setting status.

DTS NEO:6 Music

PUT: turning its setting state to DTS NEO:6 Music / GET: indicating DTS NEO:6 Music setting status.

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- **PLAYBACK**

- [PUT Command]**

- @MAIN:PLAYBACK=Parameter*

- Operating the playback state

- [Parameters]**

- Stop*

- PUT Only: change its state to Stop

- Pause*

- PUT Only: change its state to Pause

- Play*

- PUT Only: change its state to Play

- Skip Rev*

- PUT Only: change its state to Skip Rev

- Skip Fwd*

- PUT Only: change its state to Skip Fwd

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- **LISTCURSOR**

- [PUT Command]**

- @MAIN:LISTCURSOR=Parameter*

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Left*

- Right*

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTMENU**

- [PUT Command]**

- @MAIN:LISTMENU=Parameter*

- [Parameters]**

- On Screen*

- Top Menu*

- Menu*

Sub Unit : ZONE2

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date: \$

\$Revision: \$

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- **AVAIL**

- [GET Command]**

- @ZONE2:AVAIL=?

- Retrieving the validity of Zone 2 operational status

- Initial Auto Feedback is Available*

- [Parameters]**

- Not Ready*

- GET Only: indicating invalid state of operation

- Ready*

- GET Only: indicating valid state of operation

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- **ZONENAME**

- [PUT Command]**

- @ZONE2:ZONENAME=*Parameter*

- [GET Command]**

- @ZONE2:ZONENAME=?

- Setting & retrieving renamed info of Zone 2

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 9 characters)*

- PUT: setting its name / GET: indicating its name

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- **SCENENAME**

- [GET Command]**

- @ZONE2:SCENENAME=?

- Retrieving renamed info of all SCENE presets for Zone 2

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- **SCENE1NAME**

- [GET Command]**

- @ZONE2:SCENE1NAME=?

- Retrieving renamed info of SCENE1

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 20 characters)*

- GET Only

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- **SCENE2NAME**

- [GET Command]**

@ZONE2:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **SCENE3NAME**

[GET Command]

@ZONE2:SCENE3NAME=?

Retrieving renamed info of SCENE3

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **SCENE4NAME**

[GET Command]

@ZONE2:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **BASIC**

[GET Command]

@ZONE2:BASIC=?

GET Only. Zone 2 basic info is retrieved at a time.

Updated by following commands: "@ZONE2:PWR", "@ZONE2:SLEEP", "@ZONE2:VOL", "@ZONE2:MUTE", and "@ZONE2:INP"

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• **PWR**

[PUT Command]

@ZONE2:PWR=*Parameter*

[GET Command]

@ZONE2:PWR=?

Operating & retrieving Power state of Zone 2

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@ZONE2:SLEEP=Parameter

[GET Command]

@ZONE2:SLEEP=?

Operating & retrieving Sleep setting state of Zone 2

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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- **VOL**

[PUT Command]

@ZONE2:VOL=Parameter

[GET Command]

@ZONE2:VOL=?

Operating & retrieving Zone 2 Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@ZONE2:MUTE=Parameter

[GET Command]

@ZONE2:MUTE=?

Operating & retrieving Zone 2 muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• VOLFIXVAR

[PUT Command]

@ZONE2:VOLFIXVAR=Parameter

[GET Command]

@ZONE2:VOLFIXVAR=?

Operating & retrieving Zone 2 Preout Level setting state

[Parameters]

Variable

PUT: turning its setting state to Variable / GET: indicating Variable setting status.

Fixed

PUT: turning its setting state to Fixed / GET: indicating Fixed setting status.

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• MAXVOL

[PUT Command]

@ZONE2:MAXVOL=*Parameter*

[GET Command]

@ZONE2:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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• INITVOLMODE

[PUT Command]

@ZONE2:INITVOLMODE=*Parameter*

[GET Command]

@ZONE2:INITVOLMODE=?

Operating & retrieving Initial Volume Mode setting state of Zone 2

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@ZONE2:INITVOLLVL=Parameter

[GET Command]

@ZONE2:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **BALANCE**

[PUT Command]

@ZONE2:BALANCE=Parameter

[GET Command]

@ZONE2:BALANCE=?

Operating & retrieving Channel Balance setting state of Zone 2

[Parameters]

Numerical Number: -20 to 20, Step: 1

PUT: setting to the specified value. / GET: indicating the current setting value.

0 means the balance is at the center.

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- **INP**

[PUT Command]

@ZONE2:INP=Parameter

[GET Command]

@ZONE2:INP=?

Operating & retrieving Zone 2 Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

PHONO

PUT: selecting input PHONO / GET: indicating current input is PHONO

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

AUDIO3

PUT: selecting input AUDIO / GET: indicating current input is AUDIO

AUDIO4

PUT: selecting input AUDIO4 / GET: indicating current input is AUDIO4

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT: selecting input USB / GET: indicating current input is USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• SCENE

[PUT Command]

@ZONE2:SCENE=Parameter

Recalling Zone 2 Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

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• BASS

[PUT Command]

@ZONE2:BASS=Parameter

[GET Command]

@ZONE2:BASS=?

Operating & retrieving Bass Tone Control setting state

[Parameters]

Numerical Number: -10.0 to 10.0, Step: 2.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

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• TREBLE

[PUT Command]

@ZONE2:TREBLE=Parameter

[GET Command]

@ZONE2:TREBLE=?

Operating & retrieving Treble Tone Control setting state

[Parameters]

Parameters are the same as [BASS](#)

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• **PLAYBACK**

[PUT Command]

@ZONE2:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **LISTCURSOR**

[PUT Command]

@ZONE2:LISTCURSOR=Parameter

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Left

Right

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTMENU**

[PUT Command]

@ZONE2:LISTMENU=Parameter

[Parameters]

On Screen

Top Menu

Menu

Option

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Sub Unit : ZONE3

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date:: \$

\$Revision: \$

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- **AVAIL**

- [GET Command]**

- @ZONE3:AVAIL=?

- Retrieving the validity of Zone 3 operational status

- Initial Auto Feedback is Available*

- [Parameters]**

- Not Ready*

- GET Only: indicating invalid state of operation

- Ready*

- GET Only: indicating valid state of operation

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- **ZONENAME**

- [PUT Command]**

- @ZONE3:ZONENAME=*Parameter*

- [GET Command]**

- @ZONE3:ZONENAME=?

- Setting & retrieving renamed info of Zone 3

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 9 characters)*

- PUT: setting its name / GET: indicating its name

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- **SCENENAME**

- [GET Command]**

- @ZONE3:SCENENAME=?

- Retrieving renamed info of all SCENE presets for Zone 3

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- **SCENE1NAME**

- [GET Command]**

- @ZONE3:SCENE1NAME=?

- Retrieving renamed info of SCENE1

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 20 characters)*

- GET Only

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- **SCENE2NAME**

- [GET Command]**

@ZONE3:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE3NAME**

[GET Command]

@ZONE3:SCENE3NAME=?

Retrieving renamed info of SCENE3

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE4NAME**

[GET Command]

@ZONE3:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **BASIC**

[GET Command]

@ZONE3:BASIC=?

GET Only. Zone 3 basic info is retrieved at a time.

Updated by following commands: "@ZONE3:PWR", "@ZONE3:SLEEP", "@ZONE3:VOL", "@ZONE3:MUTE", and "@ZONE3:INP"

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- **PWR**

[PUT Command]

@ZONE3:PWR=*Parameter*

[GET Command]

@ZONE3:PWR=?

Operating & retrieving Power state of Zone 3

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@ZONE3:SLEEP=Parameter

[GET Command]

@ZONE3:SLEEP=?

Operating & retrieving Sleep setting state of Zone 3

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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- **VOL**

[PUT Command]

@ZONE3:VOL=Parameter

[GET Command]

@ZONE3:VOL=?

Operating & retrieving Zone 3 Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@ZONE3:MUTE=Parameter

[GET Command]

@ZONE3:MUTE=?

Operating & retrieving Zone 3 muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• VOLFIXVAR

[PUT Command]

@ZONE3:VOLFIXVAR=Parameter

[GET Command]

@ZONE3:VOLFIXVAR=?

Operating & retrieving Zone 3 Preout Level setting state

[Parameters]

Variable

PUT: turning its setting state to Variable / GET: indicating Variable setting status.

Fixed

PUT: turning its setting state to Fixed / GET: indicating Fixed setting status.

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• MAXVOL

[PUT Command]

@ZONE3:MAXVOL=*Parameter*

[GET Command]

@ZONE3:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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• INITVOLMODE

[PUT Command]

@ZONE3:INITVOLMODE=*Parameter*

[GET Command]

@ZONE3:INITVOLMODE=?

Operating & retrieving Initial Volume Mode setting state of Zone 3

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@ZONE3:INITVOLLVL=Parameter

[GET Command]

@ZONE3:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **BALANCE**

[PUT Command]

@ZONE3:BALANCE=Parameter

[GET Command]

@ZONE3:BALANCE=?

Operating & retrieving Channel Balance setting state of Zone 3

[Parameters]

Numerical Number: -20 to 20, Step: 1

PUT: setting to the specified value. / GET: indicating the current setting value.

0 means the balance is at the center.

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- **INP**

[PUT Command]

@ZONE3:INP=Parameter

[GET Command]

@ZONE3:INP=?

Operating & retrieving Zone 3 Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

PHONO

PUT: selecting input PHONO / GET: indicating current input is PHONO

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

AUDIO3

PUT: selecting input AUDIO / GET: indicating current input is AUDIO

AUDIO4

PUT: selecting input AUDIO4 / GET: indicating current input is AUDIO4

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT: selecting input USB / GET: indicating current input is USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• SCENE

[PUT Command]

@ZONE3:SCENE=Parameter

Recalling Zone 3 Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

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• BASS

[PUT Command]

@ZONE3:BASS=Parameter

[GET Command]

@ZONE3:BASS=?

Operating & retrieving Bass Tone Control setting state

[Parameters]

Numerical Number: -10.0 to 10.0, Step: 2.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

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• TREBLE

[PUT Command]

@ZONE3:TREBLE=Parameter

[GET Command]

@ZONE3:TREBLE=?

Operating & retrieving Treble Tone Control setting state

[Parameters]

Parameters are the same as [BASS](#)

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• **PLAYBACK**

[PUT Command]

@ZONE3:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **LISTCURSOR**

[PUT Command]

@ZONE3:LISTCURSOR=Parameter

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Left

Right

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTMENU**

[PUT Command]

@ZONE3:LISTMENU=Parameter

[Parameters]

On Screen

Top Menu

Menu

Option

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Sub Unit : HDRADIO

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: HDRADIO

AVAIL

[GET Command]

@HDRADIO:AVAIL=?

Retrieving the validity of HD Radio operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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• SEARCHMODE

[PUT Command]

@HDRADIO:SEARCHMODE=*Parameter*

[GET Command]

@HDRADIO:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

Tuning

PUT: selecting Tuning search mode / GET: indicating current search mode is Tuning

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• PRESET

[PUT Command]

@HDRADIO:PRESET=*Parameter*

[GET Command]

@HDRADIO:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available preset number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available preset number to the current one in the way of smaller number to larger.

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• MEM

[PUT Command]

@HDRADIO:MEM=Parameter

Registering current frequency to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• FMFREQ

[PUT Command]

@HDRADIO:FMFREQ=Parameter

[GET Command]

@HDRADIO:FMFREQ=?

Operating & retrieving FM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no FM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 87.50 to 107.90, Step: 0.20

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "MHz".

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- **AMFREQ**

[PUT Command]

@HDRADIO:AMFREQ=*Parameter*

[GET Command]

@HDRADIO:AMFREQ=?

Operating & retrieving AM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no AM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 530 to 1710, Step: 10

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "kHz".

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- **BAND**

[PUT Command]

@HDRADIO:BAND=*Parameter*

[GET Command]

@HDRADIO:BAND=?

Operating & retrieving the Frequency Band type

Initial Auto Feedback is Available

[Parameters]

FM

PUT: selecting FM / GET: indicating current band type is FM

AM

PUT: selecting AM / GET: indicating current band type is AM

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- **PRGSEL**

[PUT Command]

@HDRADIO:PRGSEL=Parameter

[GET Command]

@HDRADIO:PRGSEL=?

Operating & retrieving Program Number

Initial Auto Feedback is Available

[Parameters]

GET Only: indicating Program Number is not selected.

HD1

PUT: selecting Program Number 1 / GET: indicating current Program Number is 1

HD2

PUT: selecting Program Number 2 / GET: indicating current Program Number is 2

HD3

PUT: selecting Program Number 3 / GET: indicating current Program Number is 3

HD4

PUT: selecting Program Number 4 / GET: indicating current Program Number is 4

HD5

PUT: selecting Program Number 5 / GET: indicating current Program Number is 5

HD6

PUT: selecting Program Number 6 / GET: indicating current Program Number is 6

HD7

PUT: selecting Program Number 7 / GET: indicating current Program Number is 7

HD8

PUT: selecting Program Number 8 / GET: indicating current Program Number is 8

Down

PUT Only: changing Program Number to the decremental direction.

Non selectable program numbers are skipped.

Up

PUT Only: changing Program Number to the incremental direction.

Non selectable program numbers are skipped.

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- **AUDIOMODE**

[PUT Command]

@HDRADIO:AUDIOMODE=Parameter

[GET Command]

@HDRADIO:AUDIOMODE=?

Operating & retrieving current playback mode when tuned

Initial Auto Feedback is Available

[Parameters]

Auto

PUT: selecting Auto mode. / GET: indicating Auto mode

This is a mode that automatically selects available HD stations, playback in Stereo, and mutes the sound when no HD/stereo reception is available.

Mono

PUT: selecting Mono mode. / GET: indicating Mono mode

This is a mode to force the reception to be an analog domein (not HD's digital domein) and to be a monaural (used when the reception is weak and easily gets muted).

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• TAGSET

[PUT Command]

@HDRADIO:TAGSET=Parameter

Operating HD Radio's Tag data

[Parameters]

Add

PUT Only: saving Tag data

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• SIGINFO

[GET Command]

@HDRADIO:SIGINFO=?

GET Only. Tuning singal status can be retrieved at a time.

Updated by following commands: "@HDRADIO:TUNED", "@HDRADIO:SIGSTEREOMONO" and "@HDRADIO:HDSIGINFO"

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• TUNED

[GET Command]

@HDRADIO:TUNED=?

Retrieving the tuning status

Initial Auto Feedback is Available

[Parameters]

Negate

GET Only: indicating untuned status

Assert

GET Only: indicating tuned to a station

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- **SIGSTEREOMONO**

[GET Command]

@HDRADIO:SIGSTEREOMONO=?

Retrieving whether the playback signal is mono or stereo.

Initial Auto Feedback is Available

Negate means now playing monaural signal or not tuned. Assert means now playing Stereo signal.

[Parameters]

Parameters are the same as *TUNED*

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- **HDSIGINFO**

[GET Command]

@HDRADIO:HDSIGINFO=?

Retrieving whether the playback signal is HD or analog

Negate means now playing analog signal or not tuned. Assert means now playing HD signal.

[Parameters]

Parameters are the same as *TUNED*

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- **AVAILPRG1**

[GET Command]

@HDRADIO:AVAILPRG1=?

Retrieving HD Program Number 1 availability

Initial Auto Feedback is Available

[Parameters]

Unavailable

GET Only: indicating it's Unavailable

Available

GET Only: indicating it's Available

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- **AVAILPRG2**

[GET Command]

@HDRADIO:AVAILPRG2=?

Retrieving HD Program Number 2 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• **AVAILPRG3**

[GET Command]

@HDRADIO:AVAILPRG3=?

Retrieving HD Program Number 3 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• **AVAILPRG4**

[GET Command]

@HDRADIO:AVAILPRG4=?

Retrieving HD Program Number 4 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• **AVAILPRG5**

[GET Command]

@HDRADIO:AVAILPRG5=?

Retrieving HD Program Number 5 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• **AVAILPRG6**

[GET Command]

@HDRADIO:AVAILPRG6=?

Retrieving HD Program Number 6 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• **AVAILPRG7**

[GET Command]

@HDRADIO:AVAILPRG7=?

Retrieving HD Program Number 7 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• AVAILPRG8

[GET Command]

@HDRADIO:AVAILPRG8=?

Retrieving HD Program Number 8 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• TAGINFO

[GET Command]

@HDRADIO:TAGINFO=?

Retrieving Tag Info availability

Initial Auto Feedback is Available

[Parameters]

Unavailable

GET Only: indicating it's Unavailable

Available

GET Only: indicating it's Available

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• METAINFO

[GET Command]

@HDRADIO:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@HDRADIO:STATION", "@HDRADIO:PRGNUM", "@HDRADIO:PRGTYPE", "@HDRADIO:SONG", "@HDRADIO:ARTIST" and "@HDRADIO:ALBUM"

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• STATION

[GET Command]

@HDRADIO:STATION=?

Retrieving Station Name.

Initial Auto Feedback is Available

[Parameters]

Character Code: Latin-1, Variable Length (0 to 15 characters)

GET Only

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• PRGNUM

[GET Command]

@HDRADIO:PRGNUM=?

Retrieving HD Program Number Name.

Initial Auto Feedback is Available

[Parameters]

GET Only: indicating no HD Program is selected

HD1

GET Only: indicating current Program Number is 1

HD2

GET Only: indicating current Program Number is 2

HD3

GET Only: indicating current Program Number is 3

HD4

GET Only: indicating current Program Number is 4

HD5

GET Only: indicating current Program Number is 5

HD6

GET Only: indicating current Program Number is 6

HD7

GET Only: indicating current Program Number is 7

HD8

GET Only: indicating current Program Number is 8

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• PRGTYPE

[GET Command]

@HDRADIO:PRGTYPE=?

Retrieving Program Type.

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

- **SONG**

[GET Command]

@HDRADIO:SONG=?

Retrieving Song title.

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as *PRGTYPE*

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- **ARTIST**

[GET Command]

@HDRADIO:ARTIST=?

Retrieving Artist Name.

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as *PRGTYPE*

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- **ALBUM**

[GET Command]

@HDRADIO:ALBUM=?

Retrieving Artist title.

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as *PRGTYPE*

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Sub Unit : SIRIUS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date: \$

\$Revision: \$

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SONG

COMPOSER

PLOCK

Command Details of SubUnit: SIRIUS

- AVAIL

[GET Command]

@SIRIUS:AVAIL=?

Retrieving the connection state of SiriusConnect tuner (adapter) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the adapter is not connected.

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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- **SEARCHMODE**

[PUT Command]

@SIRIUS:SEARCHMODE=Parameter

[GET Command]

@SIRIUS:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

All Ch

PUT: selecting All Ch search mode / GET: indicating current search mode is All Ch

Category

PUT: selecting Category search mode / GET: indicating current search mode is Category

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

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- **PRESET**

[PUT Command]

@SIRIUS:PRESET=Parameter

[GET Command]

@SIRIUS:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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- **MEM**

[PUT Command]

@SIRIUS:MEM=*Parameter*

Registering current channel to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• CATSEL

[PUT Command]

@SIRIUS:CATSEL=*Parameter*

Operating Category selection.

[Parameters]

Down

PUT Only: selecting in the reverse order

Up

PUT Only: selecting in order

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• CHSEL

[PUT Command]

@SIRIUS:CHSEL=*Parameter*

[GET Command]

@SIRIUS:CHSEL=?

Operating & retrieving Channel Number selection

[Parameters]

Numerical Number: 0 to 223, Step: 1

PUT: changing to the specified number. / GET: indicating current selection

255

PUT: doing nothing / GET: indicating "not connected to the adapter" or "no station is received"

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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• SIGINFO

[GET Command]

@SIRIUS:SIGINFO=?

GET Only. Signal status can be retrieved at a time.

Updated by following command: "@SIRIUS:ANTLVL" only

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- **ANTLVL**

[GET Command]

@SIRIUS:ANTLVL=?

Retrieving the signal strength state at the antenna.

Initial Auto Feedback is Available

[Parameters]

No Signal

GET Only: indicating its status is No Signal

Weak

GET Only: indicating its status is Weak

Good

GET Only: indicating its status is Good

Excellent

GET Only: indicating its status is Excellent

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- **METAINFO**

[GET Command]

@SIRIUS:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@SIRIUS:CATNAME", "@SIRIUS:CHNUM", "@SIRIUS:CHNAME", "@SIRIUS:ARTIST", "@SIRIUS:SONG" and "@SIRIUS:COMPOSER"

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- **CATNAME**

[GET Command]

@SIRIUS:CATNAME=?

Retrieving Category Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Latin-1, Variable Length (0 to 16 characters)

GET Only

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- **CHNUM**

[GET Command]

@SIRIUS:CHNUM=?

Retrieving Channel Number

Initial Auto Feedback is Available

[Parameters]

Numerical Number: 0 to 255, Step: 1

GET Only

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• CHNAME

[GET Command]

@SIRIUS:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ARTIST

[GET Command]

@SIRIUS:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• SONG

[GET Command]

@SIRIUS:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• COMPOSER

[GET Command]

@SIRIUS:COMPOSER=?

Retrieving Composer Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **PLOCK**

[GET Command]

@SIRIUS:PLOCK=?

Retrieving the state of Parental Lock

Initial Auto Feedback is Available

[Parameters]

Locked

GET Only: indicating its status is Locked

Unlocked

GET Only: indicating its status is Unlocked

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Sub Unit : IPOD

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date: \$

\$Revision: \$

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REPEAT

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ARTIST

Command Details of SubUnit: IPOD

- **AVAIL**

[GET Command]

@IPOD:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPOD:MODE=*Parameter*

[GET Command]

@IPOD:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPOD:REPEAT=*Parameter*

[GET Command]

@IPOD:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPOD:SHUFFLE=Parameter

[GET Command]

@IPOD:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPOD:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPOD:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPOD:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPOD:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPOD:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPOD:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPOD:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPOD:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPOD:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPOD:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPOD:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPOD:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPOD:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPOD:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPOD:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPOD:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPOD:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPOD:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPOD:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@IPOD:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@IPOD:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPOD:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : BT

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: BT

• AVAIL

[GET Command]

@BT:AVAIL=?

Retrieving the connection state of Bluetooth (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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• PAIRING

[PUT Command]

@BT:PAIRING=Parameter

Operating the setting state of Pariring

[Parameters]

Start

PUT Only: changing its state to Start

Cancel

PUT Only: changing its state to Cancel

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- **CONNECT**

- [PUT Command]**

- @BT:CONNECT=Parameter*

- Operating the connection state

- [Parameters]**

- Disconnect*

- PUT Only: changing its state to Disconnect

- Connect*

- PUT Only: changing its state to Connect

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- **CONNECTINFO**

- [GET Command]**

- @BT:CONNECTINFO=?*

- [Parameters]**

- Disconnected*

- Connected*

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- **PLAYBACK**

- [PUT Command]**

- @BT:PLAYBACK=Parameter*

- Operating the playback state

- [Parameters]**

- Stop*

- PUT Only: change its state to Stop

- Pause*

- PUT Only: change its state to Pause

- Play*

- PUT Only: change its state to Play

- |<<*

- PUT Only: change its state to |<<

- meaning Skip Rev

- >>|*

- PUT Only: change its state to >>|

- meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : UAW

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date:: \$

\$Revision: \$

Command Index

1. Others

[AVAIL](#)

Command Details of SubUnit: UAW

- **AVAIL**

[GET Command]

@UAW:AVAIL=?

Retrieving the connection state of UAW (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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Sub Unit : RHAP

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date:: \$

\$Revision: \$

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LINE7TXT

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LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: RHAP

- **AVAIL**

[GET Command]

@RHAP:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@RHAP:REPEAT=Parameter

[GET Command]

@RHAP:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@RHAP:SHUFFLE=Parameter

[GET Command]

@RHAP:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@RHAP:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@RHAP:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@RHAP:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@RHAP:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@RHAP:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@RHAP:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@RHAP:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@RHAP:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@RHAP:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @RHAP:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @RHAP:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @RHAP:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@RHAP:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@RHAP:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@RHAP:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@RHAP:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

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- **LINE2TXT**

[GET Command]

@RHAP:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@RHAP:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@RHAP:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@RHAP:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@RHAP:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@RHAP:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@RHAP:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@RHAP:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@RHAP:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@RHAP:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@RHAP:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@RHAP:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@RHAP:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@RHAP:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : SIRIUSIR

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date:: \$

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LINE7ATTRIB

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

CHNAME

ARTIST

Command Details of SubUnit: SIRIUSIR

- **AVAIL**

[GET Command]

@SIRIUSIR:AVAIL=?

Retrieving the state of network link or the validity of SIRIUS Internet Radio operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@SIRIUSIR:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@SIRIUSIR:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@SIRIUSIR:PLAYBACK=*Parameter*

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• PLAYBACKINFO

[GET Command]

@SIRIUSIR:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• METAINFO

[GET Command]

@SIRIUSIR:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:CHNAME", "@XXXX:ARTIST" and "@XXXX:SONG" (XXXX = SubUnit name)

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• CHNAME

[GET Command]

@SIRIUSIR:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ARTIST**

[GET Command]

@SIRIUSIR:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **SONG**

[GET Command]

@SIRIUSIR:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **LISTSEL**

[PUT Command]

@SIRIUSIR:LISTSEL=*Parameter*

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @SIRIUSIR:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @SIRIUSIR:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @SIRIUSIR:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @SIRIUSIR:LISTLAYER=?*

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• **LISTLAYERNAME**

[GET Command]

@SIRIUSIR:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@SIRIUSIR:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@SIRIUSIR:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@SIRIUSIR:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATTRIB**

[GET Command]

@SIRIUSIR:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE3TXT**

[GET Command]

@SIRIUSIR:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATTRIB**

[GET Command]

@SIRIUSIR:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE4TXT**

[GET Command]

@SIRIUSIR:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATTRIB**

[GET Command]

@SIRIUSIR:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE5TXT**

[GET Command]

@SIRIUSIR:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@SIRIUSIR:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@SIRIUSIR:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@SIRIUSIR:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@SIRIUSIR:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@SIRIUSIR:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@SIRIUSIR:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@SIRIUSIR:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@SIRIUSIR:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@SIRIUSIR:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PANDORA

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date: \$

\$Revision: \$

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MAXLINE

4. Others

AVAIL

BOOKMARK

FEEDBACK

Command Details of SubUnit: PANDORA

- **AVAIL**

[GET Command]

@PANDORA:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@PANDORA:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@PANDORA:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@PANDORA:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Fwd

PUT Only: change its state to Skip Fwd

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- **BOOKMARK**

[PUT Command]

@PANDORA:BOOKMARK=Parameter

[Parameters]

Song

Artist

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- **FEEDBACK**

[PUT Command]

@PANDORA:FEEDBACK=Parameter

[GET Command]

@PANDORA:FEEDBACK=?

Operating & retrieving thumbs up/down state

[Parameters]

GET Only

Thumb Down

PUT: change its state to Thumb Down / GET: indicating its state is Thumb Down

Thumb Up

PUT: change its state to Thumb Up / GET: indicating its state is Thumb Up

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- **PLAYBACKINFO**

- [GET Command]**

- @PANDORA:PLAYBACKINFO=?

- Retrieving the playback state

- Initial Auto Feedback is Available

- [Parameters]**

- Stop*

- GET Only: indicating its state is Stop

- Pause*

- GET Only: indicating its state is Pause

- Play*

- GET Only: indicating its state is Play

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- **METAINFO**

- [GET Command]**

- @PANDORA:METAINFO=?

- GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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- **SONG**

- [GET Command]**

- @PANDORA:SONG=?

- Retrieving Artist Name

- Initial Auto Feedback is Available

- [Parameters]**

- Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)*

- GET Only

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- **ALBUM**

- [GET Command]**

- @PANDORA:ALBUM=?

- Retrieving Album Title

- Initial Auto Feedback is Available

- [Parameters]**

- Parameters are the same as [SONG](#)*

- **STATION**

[GET Command]

@PANDORA:STATION=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [SONG](#)

- **LISTSEL**

[PUT Command]

@PANDORA:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

- **LISTCURSOR**

[PUT Command]

@PANDORA:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTPAGE**

- [PUT Command]**

- @PANDORA:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PANDORA:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @PANDORA:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

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- **LISTLAYERNAME**

- [GET Command]**

@PANDORA:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@PANDORA:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@PANDORA:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@PANDORA:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATRIB**

[GET Command]

@PANDORA:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATRIB**

[GET Command]

@PANDORA:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATRIB**

[GET Command]

@PANDORA:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATRIB**

[GET Command]

@PANDORA:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@PANDORA:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@PANDORA:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@PANDORA:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@PANDORA:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@PANDORA:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@PANDORA:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@PANDORA:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PANDORA:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NAPSTER

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date:: \$

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: NAPSTER

- **AVAIL**

[GET Command]

@NAPSTER:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@NAPSTER:REPEAT=Parameter

[GET Command]

@NAPSTER:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@NAPSTER:SHUFFLE=Parameter

[GET Command]

@NAPSTER:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@NAPSTER:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@NAPSTER:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@NAPSTER:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

/<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@NAPSTER:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NAPSTER:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@NAPSTER:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

- **ALBUM**

[GET Command]

@NAPSTER:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **LISTSEL**

[PUT Command]

@NAPSTER:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

- **LISTCURSOR**

[PUT Command]

@NAPSTER:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

- **LISTPAGE**

[PUT Command]

@NAPSTER:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

- **LISTINFO**

[GET Command]

@NAPSTER:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@NAPSTER:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• **LISTLAYERNAME**

[GET Command]

@NAPSTER:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@NAPSTER:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@NAPSTER:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

- **LINE2TXT**

[GET Command]

@NAPSTER:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@NAPSTER:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NAPSTER:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NAPSTER:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATRIB**

[GET Command]

@NAPSTER:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE6ATRIB**

[GET Command]

@NAPSTER:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE7ATRIB**

[GET Command]

@NAPSTER:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE8TXT**

[GET Command]

@NAPSTER:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@NAPSTER:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@NAPSTER:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NAPSTER:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PC

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date: \$

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LINE8TXT

LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

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SHUFFLE

Command Details of SubUnit: PC

- **AVAIL**

[GET Command]

@PC:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@PC:REPEAT=Parameter

[GET Command]

@PC:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@PC:SHUFFLE=Parameter

[GET Command]

@PC:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@PC:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@PC:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@PC:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@PC:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@PC:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@PC:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@PC:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@PC:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@PC:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 8

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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• LISTCURSOR

[PUT Command]

@PC:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• LISTPAGE

[PUT Command]

@PC:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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• LISTINFO

[GET Command]

@PC:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@PC:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@PC:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@PC:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@PC:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@PC:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@PC:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@PC:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@PC:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@PC:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@PC:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

- **LINE5TXT**

[GET Command]

@PC:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@PC:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@PC:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@PC:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@PC:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@PC:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@PC:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@PC:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@PC:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PC:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NETRADIO

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date: \$

\$Revision: \$

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MAXLINE

4. Others

AVAIL

STATION

BOOKMARK

Command Details of SubUnit: NETRADIO

- **AVAIL**

[GET Command]

@NETRADIO:AVAIL=?

Retrieving the state of network link or the validity of NET RADIO operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@NETRADIO:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@NETRADIO:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@NETRADIO:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• **PLAYBACKINFO**

[GET Command]

@NETRADIO:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NETRADIO:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:STATION" Only (XXXX = SubUnit name)

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• **STATION**

[GET Command]

@NETRADIO:STATION=?

Retrieving Station Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LISTSEL**

[PUT Command]

@NETRADIO:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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• **LISTCURSOR**

[PUT Command]

@NETRADIO:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTPAGE**

[PUT Command]

@NETRADIO:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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• BOOKMARK

[PUT Command]

@NETRADIO:BOOKMARK=Parameter

Operating the Bookmark

[Parameters]

Off

PUT Only: Bookmark Off the current playback station

On

PUT Only: Bookmark On the current playback station

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• LISTINFO

[GET Command]

@NETRADIO:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@NETRADIO:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@NETRADIO:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• LINE2TXT

[GET Command]

@NETRADIO:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• LINE2ATRIB

[GET Command]

@NETRADIO:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NETRADIO:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NETRADIO:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NETRADIO:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NETRADIO:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NETRADIO:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@NETRADIO:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

- [GET Command]**

- @NETRADIO:LINE6TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE6ATRIB**

- [GET Command]**

- @NETRADIO:LINE6ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE7TXT**

- [GET Command]**

- @NETRADIO:LINE7TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE7ATRIB**

- [GET Command]**

- @NETRADIO:LINE7ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE8TXT**

- [GET Command]**

- @NETRADIO:LINE8TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE8ATRIB**

- [GET Command]**

- @NETRADIO:LINE8ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **CURRLINE**

- [GET Command]**

@NETRADIO:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NETRADIO:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : USB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE7ATTRIB

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MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: USB

- **AVAIL**

[GET Command]

@USB:AVAIL=?

Retrieving the connection state of USB (device) or the validity of USB operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@USB:REPEAT=Parameter

[GET Command]

@USB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@USB:SHUFFLE=Parameter

[GET Command]

@USB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@USB:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@USB:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@USB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@*USB:PLAYBACKINFO*=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@*USB:METAINFO*=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@*USB:ARTIST*=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ALBUM**

[GET Command]

@USB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@USB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@USB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @USB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @USB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @USB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available*

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- **LISTLAYER**

- [GET Command]**

- @USB:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

- **LISTLAYERNAME**

[GET Command]

@USB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

- **LINE1TXT**

[GET Command]

@USB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

- **LINE1ATRIB**

[GET Command]

@USB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

- **LINE2TXT**

[GET Command]

@USB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE2ATRIB**

[GET Command]

@USB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@USB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@USB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@USB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@USB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : IPODUSB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date: \$

\$Revision: \$

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4. Others

AVAIL

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ARTIST

Command Details of SubUnit: IPODUSB

- **AVAIL**

[GET Command]

@IPODUSB:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPODUSB:MODE=Parameter

[GET Command]

@IPODUSB:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPODUSB:REPEAT=Parameter

[GET Command]

@IPODUSB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• **SHUFFLE**

[PUT Command]

@IPODUSB:SHUFFLE=Parameter

[GET Command]

@IPODUSB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• **PLAYBACK**

[PUT Command]

@IPODUSB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPODUSB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPODUSB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPODUSB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPODUSB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPODUSB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPODUSB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPODUSB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPODUSB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPODUSB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPODUSB:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPODUSB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPODUSB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPODUSB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPODUSB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPODUSB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPODUSB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPODUSB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPODUSB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPODUSB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPODUSB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPODUSB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPODUSB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPODUSB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPODUSB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@IPODUSB:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@IPODUSB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPODUSB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : SYS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

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REMOTECODE

Command Details of SubUnit: SYS

- **MODELNAME**

[GET Command]

@SYS:MODELNAME=?

Retrieving Model Name

[Parameters]

Character Code: Ascii, Variable Length (1 to 16 characters)

GET Only

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• **VERSION**

[GET Command]

@SYS:VERSION=?

Retrieving the version of software.

[Parameters]

Character Code: Ascii, Fixed 9 characters

GET Only

Value string is in a format of "x.xx/y.yy"; x.xx = System Version, y.yy = Command Protocol Version.

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• **INPNAME**

[GET Command]

@SYS:INPNAME=?

Retrieving each input's renamed info at a time.

Each response command forms like @SYS:INPNAMExxxx=XXXX (xxxx: Default Input Name, XXXX: Renamed Info)

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• **INPNAMEMULTICH**

[GET Command]

@SYS:INPNAMEMULTICH=?

Retrieving renamed info of MULTICH

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

GET Only

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• **INPNAMEPHONO**

[GET Command]

@SYS:INPNAMEPHONO=?

Retrieving renamed info of PHONO

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAV1**

- [GET Command]**

- @SYS:INPNAMEAV1=?*

- Retrieving renamed info of AV1

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEAV2**

- [GET Command]**

- @SYS:INPNAMEAV2=?*

- Retrieving renamed info of AV2

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEAV3**

- [GET Command]**

- @SYS:INPNAMEAV3=?*

- Retrieving renamed info of AV3

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEAV4**

- [GET Command]**

- @SYS:INPNAMEAV4=?*

- Retrieving renamed info of AV4

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEAV5**

- [GET Command]**

- @SYS:INPNAMEAV5=?*

- Retrieving renamed info of AV5

- [Parameters]**

- Parameters are the same as [INPNAMEMULTICH](#)*

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- **INPNAMEAV6**

- [GET Command]**

@SYS:INPNAMEAV6=?

Retrieving renamed info of AV6

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEAV7**

[GET Command]

@SYS:INPNAMEAV7=?

Retrieving renamed info of AUDIO3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEVAUX**

[GET Command]

@SYS:INPNAMEVAUX=?

Retrieving renamed info of VAUX

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEAUDIO1**

[GET Command]

@SYS:INPNAMEAUDIO1=?

Retrieving renamed info of AUDIO1

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEAUDIO2**

[GET Command]

@SYS:INPNAMEAUDIO2=?

Retrieving renamed info of AUDIO2

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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• **INPNAMEAUDIO3**

[GET Command]

@SYS:INPNAMEAUDIO3=?

Retrieving renamed info of AUDIO3

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEAUDIO4**

[GET Command]

@SYS:INPNAMEAUDIO4=?

Retrieving renamed info of AUDIO4

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEDOCK**

[GET Command]

@SYS:INPNAMEDOCK=?

Retrieving renamed info of DOCK

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **INPNAMEUSB**

[GET Command]

@SYS:INPNAMEUSB=?

Retrieving renamed info of USB

[Parameters]

Parameters are the same as [INPNAMEMULTICH](#)

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- **PWR**

[PUT Command]

@SYS:PWR=Parameter

[GET Command]

@SYS:PWR=?

Operating & retrieving All Zones power state.

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

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- **PARTY**

[PUT Command]

@SYS:PARTY=Parameter

[GET Command]

@SYS:PARTY=?

Operating & retrieving Party Mode state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

On

PUT: turning its state to On / GET: indicating On status.

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• **PARTYVOL**

[PUT Command]

@SYS:PARTYVOL=Parameter

Operating Party Mode Volume

[Parameters]

Down

PUT Only: decrementing the volume by 1 step

Up

PUT Only: incrementing the volume by 1 step

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• **PARTYMUTE**

[PUT Command]

@SYS:PARTYMUTE=Parameter

Operating Party Mode Muting state

[Parameters]

Off

PUT Only: un-muting Party Mode

On

PUT Only: muting Party Mode

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• **VIDANLGCONV**

[PUT Command]

@SYS:VIDANLGCONV=Parameter

[GET Command]

@SYS:VIDANLGCONV=?

Operating & retrieving Analog Video Conversion setting state.

[Parameters]

Off

PUT: setting to Off / GET: indicating Off status.

On

PUT: setting to On / GET: indicating On status.

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- **SPPATTERN**

[PUT Command]

@SYS:SPPATTERN=Parameter

[GET Command]

@SYS:SPPATTERN=?

Operating & retrieving Speaker Pattern setting state.

[Parameters]

Pattern 1

PUT: setting to Pattern1 / GET: indicating its setting at Pattern1.

Pattern 2

PUT: setting to Pattern2 / GET: indicating its setting at Pattern2.

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- **SPPATTERN1AMP**

[PUT Command]

@SYS:SPPATTERN1AMP=Parameter

[GET Command]

@SYS:SPPATTERN1AMP=?

Operating & retrieving Amp Assign setting state for Speaker Pattern1.

[Parameters]

Basic

PUT: setting to Basic / GET: indicating its setting at Basic.

7ch +1ZONE

PUT: setting to 7ch +1ZONE / GET: indicating its setting at 7ch +1ZONE.

9ch +1ZONE

PUT: setting to 9ch +1ZONE / GET: indicating its setting at 9ch +1ZONE.

7ch +2ZONE

PUT: setting to 7ch +2ZONE / GET: indicating its setting at 7ch +2ZONE.

9ch +RP

PUT: setting to 9ch +RP / GET: indicating its setting at 9ch +RP.

9ch +FRONT

PUT: setting to 9ch +FRONT / GET: indicating its setting at 9ch +FRONT.

7ch +FP+RP

PUT: setting to 7ch +FP+RP / GET: indicating its setting at 7ch +FP+RP.

7ch +FRONT+1ZONE

PUT: setting to 7ch +FRONT+1ZONE / GET: indicating its setting at 7ch +FRONT+1ZONE.

5ch +FRONT+2ZONE

PUT: setting to 5ch +FRONT+2ZONE / GET: indicating its setting at 5ch +FRONT+2ZONE.

7ch BI-AMP

PUT: setting to 7ch BI-AMP / GET: indicating its setting at 7ch BI-AMP.

7ch BI-AMP +FP

PUT: setting to 7ch BI-AMP +FP / GET: indicating its setting at 7ch BI-AMP +FP.

7ch BI-AMP +FP+RP

PUT: setting to 7ch BI-AMP +FP+RP / GET: indicating its setting at 7ch BI-AMP +FP+RP.

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- **SPPATTERN1FRNTCNFG**

[PUT Command]

@SYS:SPPATTERN1FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTCNFG=?

Operating & retrieving Front Ch Configuration setting state for Speaker Pattern1.

[Parameters]

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1FRNTCRSOVR**

[PUT Command]

@SYS:SPPATTERN1FRNTCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1FRNTCRSOVR=?

Operating & retrieving Front Ch Crossover Frequency setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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- **SPPATTERN1CENTCNFG**

[PUT Command]

@SYS:SPPATTERN1CENTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1CENTCNFG=?

Operating & retrieving Center Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small

PUT: setting to Small / GET: indicating its setting at Small.

Large

PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1CENTCRSOVR**

[PUT Command]

@SYS:SPPATTERN1CENTCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1CENTCRSOVR=?

Operating & retrieving Center Ch Crossover Frequency setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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- **SPPATTERN1SURCNFG**

- [PUT Command]**

- @SYS:SPPATTERN1SURCNFG=Parameter*

- [GET Command]**

- @SYS:SPPATTERN1SURCNFG=?*

- Operating & retrieving Surround Ch Configuration setting state for Speaker Pattern1.

- [Parameters]**

- None*

- PUT: setting to None / GET: indicating its setting at None.

- Small*

- PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

- Large*

- PUT: setting to Large / GET: indicating its setting at Large.

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- **SPPATTERN1SURCRSOVR**

- [PUT Command]**

- @SYS:SPPATTERN1SURCRSOVR=Parameter*

- [GET Command]**

- @SYS:SPPATTERN1SURCRSOVR=?*

- Operating & retrieving Surround Ch Crossover Frequency setting state for Speaker Pattern1.

- [Parameters]**

- 40 Hz*

- PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

- 60 Hz*

- PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

- 80 Hz*

- PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

- 90 Hz*

- PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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- **SPPATTERN1SURBCNFG**

[PUT Command]

@SYS:SPPATTERN1SURBCNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SURBCNFG=?

Operating & retrieving Surround Back Ch Configuration setting state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Small x1

PUT: setting to Small x1 / GET: indicating its setting at Small x1.

Large x1

PUT: setting to Large x1 / GET: indicating its setting at Large x1.

Small x2

PUT: setting to Small x2 / GET: indicating its setting at Small x2.

Large x2

PUT: setting to Large x2 / GET: indicating its setting at Large x2.

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- **SPPATTERN1SURBCRSOVR**

[PUT Command]

@SYS:SPPATTERN1SURBCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1SURBCRSOVR=?

Operating & retrieving Surround Back Ch Crossover Frequency setting state for Speaker Pattern1.

[Parameters]

40 Hz

PUT: setting to 40 Hz / GET: indicating its setting at 40 Hz.

60 Hz

PUT: setting to 60 Hz / GET: indicating its setting at 60 Hz.

80 Hz

PUT: setting to 80 Hz / GET: indicating its setting at 80 Hz.

90 Hz

PUT: setting to 90 Hz / GET: indicating its setting at 90 Hz.

100 Hz

PUT: setting to 100 Hz / GET: indicating its setting at 100 Hz.

110 Hz

PUT: setting to 110 Hz / GET: indicating its setting at 110 Hz.

120 Hz

PUT: setting to 120 Hz / GET: indicating its setting at 120 Hz.

160 Hz

PUT: setting to 160 Hz / GET: indicating its setting at 160 Hz.

200 Hz

PUT: setting to 200 Hz / GET: indicating its setting at 200 Hz.

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- **SPPATTERN1FRNTPRES**

- [PUT Command]**

- @SYS:SPPATTERN1FRNTPRES=Parameter*

- [GET Command]**

- @SYS:SPPATTERN1FRNTPRES=?*

- Operating & retrieving Front Presence Ch setting state for Speaker Pattern1.

- [Parameters]**

- None*

- PUT: setting to None / GET: indicating its setting at None.

- Use*

- PUT: setting to Use / GET: indicating its setting at Use.

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- **SPPATTERN1REARPRES**

- [PUT Command]**

- @SYS:SPPATTERN1REARPRES=Parameter*

- [GET Command]**

- @SYS:SPPATTERN1REARPRES=?*

- Operating & retrieving Rear Presence Ch setting state for Speaker Pattern1.

- [Parameters]**

- Parameters are the same as [SPPATTERN1FRNTPRES](#)*

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- **SPPATTERN1SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN1SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1CNFG=?

Operating & retrieving Subwoofer1 Configuration state for Speaker Pattern1.

[Parameters]

None

PUT: setting to None / GET: indicating its setting at None.

Use

PUT: setting to Use / GET: indicating its setting at Use.

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• SPPATTERN1SWFR1PHASE

[PUT Command]

@SYS:SPPATTERN1SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR1PHASE=?

Operating & retrieving Subwoofer1 Phase setting state for Speaker Pattern1.

[Parameters]

Normal

PUT: setting to Normal / GET: indicating its setting at Normal.

Reverse

PUT: setting to Reverse / GET: indicating its setting at Reverse.

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• SPPATTERN1SWFR2CNFG

[PUT Command]

@SYS:SPPATTERN1SWFR2CNFG=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR2CNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR1CNFG](#)

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• SPPATTERN1SWFR2PHASE

[PUT Command]

@SYS:SPPATTERN1SWFR2PHASE=Parameter

[GET Command]

@SYS:SPPATTERN1SWFR2PHASE=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR1PHASE](#)

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SPPATTERN1SWFRLAYOUT

[PUT Command]

@SYS:SPPATTERN1SWFRLAYOUT=Parameter

[GET Command]

@SYS:SPPATTERN1SWFRLAYOUT=?

Operating & retrieving Subwoofer Layout Setting state for Speaker Pattern1.

[Parameters]

Left & Right

PUT: setting to Left & Right / GET: indicating its setting at Left & Right.

Front & Rear

PUT: setting to Front & Rear / GET: indicating its setting at Front & Rear.

Monaural x2

PUT: setting to Monaural x2 / GET: indicating its setting at Monaural x2.

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• SPPATTERN1EXBASS

[PUT Command]

@SYS:SPPATTERN1EXBASS=Parameter

[GET Command]

@SYS:SPPATTERN1EXBASS=?

Operating & retrieving Extra Bass Setting state for Speaker Pattern1.

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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• SPPATTERN2AMP

[PUT Command]

@SYS:SPPATTERN2AMP=Parameter

[GET Command]

@SYS:SPPATTERN2AMP=?

[Parameters]

Parameters are the same as [SPPATTERN1AMP](#)

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• SPPATTERN2FRNTCNFG

[PUT Command]

@SYS:SPPATTERN2FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTCNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1FRNTCNFG](#)

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- **SPPATTERN2FRNTRCSOVR**

[PUT Command]

@SYS:SPPATTERN2FRNTRCSOVR=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTRCSOVR=?

[Parameters]

Parameters are the same as [SPPATTERN1FRNTRCSOVR](#)

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- **SPPATTERN2CENTCNFG**

[PUT Command]

@SYS:SPPATTERN2CENTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2CENTCNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1CENTCNFG](#)

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- **SPPATTERN2CENTCRSOVR**

[PUT Command]

@SYS:SPPATTERN2CENTCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN2CENTCRSOVR=?

[Parameters]

Parameters are the same as [SPPATTERN1CENTCRSOVR](#)

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- **SPPATTERN2SURCNFG**

[PUT Command]

@SYS:SPPATTERN2SURCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SURCNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SURCNFG](#)

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- **SPPATTERN2SURCRSOVR**

[PUT Command]

@SYS:SPPATTERN2SURCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN2SURCRSOVR=?

[Parameters]

Parameters are the same as [SPPATTERN1SURCRSOVR](#)

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• **SPPATTERN2SURBCNFG**

[PUT Command]

@SYS:SPPATTERN2SURBCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SURBCNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SURBCNFG](#)

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• **SPPATTERN2SURBCRSOVR**

[PUT Command]

@SYS:SPPATTERN2SURBCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN2SURBCRSOVR=?

[Parameters]

Parameters are the same as [SPPATTERN1SURBCRSOVR](#)

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• **SPPATTERN2FRNTPRES**

[PUT Command]

@SYS:SPPATTERN2FRNTPRES=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTPRES=?

[Parameters]

Parameters are the same as [SPPATTERN1FRNTPRES](#)

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• **SPPATTERN2REARPRES**

[PUT Command]

@SYS:SPPATTERN2REARPRES=Parameter

[GET Command]

@SYS:SPPATTERN2REARPRES=?

[Parameters]

Parameters are the same as [SPPATTERN1REARPRES](#)

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• **SPPATTERN2SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN2SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR1CNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR1CNFG](#)

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• **SPPATTERN2SWFR1PHASE**

[PUT Command]

@SYS:SPPATTERN2SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR1PHASE=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR1PHASE](#)

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• **SPPATTERN2SWFR2CNFG**

[PUT Command]

@SYS:SPPATTERN2SWFR2CNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR2CNFG=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR2CNFG](#)

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• **SPPATTERN2SWFR2PHASE**

[PUT Command]

@SYS:SPPATTERN2SWFR2PHASE=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR2PHASE=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFR2PHASE](#)

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• **SPPATTERN2SWFRLAYOUT**

[PUT Command]

@SYS:SPPATTERN2SWFRLAYOUT=Parameter

[GET Command]

@SYS:SPPATTERN2SWFRLAYOUT=?

[Parameters]

Parameters are the same as [SPPATTERN1SWFRLAYOUT](#)

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• **SPPATTERN2EXBASS**

[PUT Command]

@SYS:SPPATTERN2EXBASS=Parameter

[GET Command]

@SYS:SPPATTERN2EXBASS=?

[Parameters]

Parameters are the same as [SPPATTERN1EXBASS](#)

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• **DMCCONTROL**

[PUT Command]

@SYS:DMCCONTROL=Parameter

[GET Command]

@SYS:DMCCONTROL=?

Operating & retrieving DMC Control Setting state

Initial Auto Feedback is Available

[Parameters]

Disable

PUT: setting to Disable / GET: indicating its setting at Disable.

Enable

PUT: setting to Enable / GET: indicating its setting at Enable.

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• **YNCAPORT**

[PUT Command]

@SYS:YNCAPORT=Parameter

[GET Command]

@SYS:YNCAPORT=?

Operating & retrieving TCP Port Setting state for YNCA commands.

[Parameters]

Numerical Number: 50000 to 65535, Step: 1

PUT: setting to the specified number. / GET: indicating its setting with the retrieved value. The Default value is 50000.

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• **TRIG1MANUAL**

[PUT Command]

@SYS:TRIG1MANUAL=Parameter

[GET Command]

@SYS:TRIG1MANUAL=?

Operating & retrieving Manual Operating state for Trigger Out 1.

[Parameters]

Lo

PUT: turning its state to Lo / GET: indicating its status at Lo.

Hi

PUT: turning its state to Hi / GET: indicating its status at Hi.

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- **TRIG1TYPE**

[PUT Command]

@SYS:TRIG1TYPE=Parameter

[GET Command]

@SYS:TRIG1TYPE=?

Operating & retrieving Trigger Type Setting state for Trigger Out 1.

[Parameters]

Manual

PUT: setting to Manual / GET: indicating its setting at Manual.

Power

PUT: setting to Power / GET: indicating its setting at Power.

Zone and Input

PUT: setting to Zone and Input / GET: indicating its setting at Zone and Input.

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- **TRIG1ZONE**

[PUT Command]

@SYS:TRIG1ZONE=Parameter

[GET Command]

@SYS:TRIG1ZONE=?

Operating & retrieving Zone Setting state of Trigger Type "Zone and Input" for Trigger Out 1.

[Parameters]

Main Zone

PUT: setting to Main Zone / GET: indicating its setting at Main Zone.

Zone2

PUT: setting to Zone2 / GET: indicating its setting at Zone2.

Zone3

PUT: setting to Zone3 / GET: indicating its setting at Zone3.

Zone4

PUT: setting to Zone4 / GET: indicating its setting at Zone4.

All

PUT: setting to All / GET: indicating its setting at All.

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- **TRIG1INPSIRIUS**

[PUT Command]

@SYS:TRIG1INPSIRIUS=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUS=?

Operating & retrieving the setting state for Input of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Lo

PUT: setting to Lo / GET: indicating its setting at Lo.

Hi

PUT: setting to Hi / GET: indicating its setting at Hi.

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• **TRIG1INPTUNER**

[PUT Command]

@SYS:TRIG1INPTUNER=*Parameter*

[GET Command]

@SYS:TRIG1INPTUNER=?

Operating & retrieving the setting state for Input TUNER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPMULTICH**

[PUT Command]

@SYS:TRIG1INPMULTICH=*Parameter*

[GET Command]

@SYS:TRIG1INPMULTICH=?

Operating & retrieving the setting state for Input MULTICH of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPPHONO**

[PUT Command]

@SYS:TRIG1INPPHONO=*Parameter*

[GET Command]

@SYS:TRIG1INPPHONO=?

Operating & retrieving the setting state for Input PHONO of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV1**

[PUT Command]

@SYS:TRIG1INPAV1=*Parameter*

[GET Command]

@SYS:TRIG1INPAV1=?

Operating & retrieving the setting state for Input AV1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV2**

[PUT Command]

@SYS:TRIG1INPAV2=*Parameter*

[GET Command]

@SYS:TRIG1INPAV2=?

Operating & retrieving the setting state for Input AV2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV3**

[PUT Command]

@SYS:TRIG1INPAV3=*Parameter*

[GET Command]

@SYS:TRIG1INPAV3=?

Operating & retrieving the setting state for Input AV3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV4**

[PUT Command]

@SYS:TRIG1INPAV4=*Parameter*

[GET Command]

@SYS:TRIG1INPAV4=?

Operating & retrieving the setting state for Input AV4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPAV5**

[PUT Command]

@SYS:TRIG1INPAV5=*Parameter*

[GET Command]

@SYS:TRIG1INPAV5=?

Operating & retrieving the setting state for Input AV5 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV6**

[PUT Command]

@SYS:TRIG1INPAV6=Parameter

[GET Command]

@SYS:TRIG1INPAV6=?

Operating & retrieving the setting state for Input AV6 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAV7**

[PUT Command]

@SYS:TRIG1INPAV7=Parameter

[GET Command]

@SYS:TRIG1INPAV7=?

Operating & retrieving the setting state for Input AV7 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPVAUX**

[PUT Command]

@SYS:TRIG1INPVAUX=Parameter

[GET Command]

@SYS:TRIG1INPVAUX=?

Operating & retrieving the setting state for Input VAUX of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO1**

[PUT Command]

@SYS:TRIG1INPAUDIO1=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO1=?

Operating & retrieving the setting state for Input AUDIO1 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPAUDIO2**

[PUT Command]

@SYS:TRIG1INPAUDIO2=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO2=?

Operating & retrieving the setting state for Input AUDIO2 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAUDIO3**[PUT Command]**

@SYS:TRIG1INPAUDIO3=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO3=?

Operating & retrieving the setting state for Input AUDIO3 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPAUDIO4**[PUT Command]**

@SYS:TRIG1INPAUDIO4=Parameter

[GET Command]

@SYS:TRIG1INPAUDIO4=?

Operating & retrieving the setting state for Input AUDIO4 of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPDOCK**[PUT Command]**

@SYS:TRIG1INPDOCK=Parameter

[GET Command]

@SYS:TRIG1INPDOCK=?

Operating & retrieving the setting state for Input DOCK of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPIPOD**[PUT Command]**

@SYS:TRIG1INPIPOD=Parameter

[GET Command]

@SYS:TRIG1INPIPOD=?

Operating & retrieving the setting state for Input IPOD of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPBT**

[PUT Command]

@SYS:TRIG1INPBT=Parameter

[GET Command]

@SYS:TRIG1INPBT=?

Operating & retrieving the setting state for Input BT of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPUAW**

[PUT Command]

@SYS:TRIG1INPUAW=Parameter

[GET Command]

@SYS:TRIG1INPUAW=?

Operating & retrieving the setting state for Input UAW of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPNET**

[PUT Command]

@SYS:TRIG1INPNET=Parameter

[GET Command]

@SYS:TRIG1INPNET=?

Operating & retrieving the setting state for Input NET of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG1INPRHAPSODY**

[PUT Command]

@SYS:TRIG1INPRHAPSODY=Parameter

[GET Command]

@SYS:TRIG1INPRHAPSODY=?

Operating & retrieving the setting state for Input RHAPSODY of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPSIRIUSIR

[PUT Command]

@SYS:TRIG1INPSIRIUSIR=Parameter

[GET Command]

@SYS:TRIG1INPSIRIUSIR=?

Operating & retrieving the setting state for Input SIRIUSIR of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPPANDORA

[PUT Command]

@SYS:TRIG1INPPANDORA=Parameter

[GET Command]

@SYS:TRIG1INPPANDORA=?

Operating & retrieving the setting state for Input PANDORA of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPNAPSTER

[PUT Command]

@SYS:TRIG1INPNAPSTER=Parameter

[GET Command]

@SYS:TRIG1INPNAPSTER=?

Operating & retrieving the setting state for Input NAPSTER of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• TRIG1INPPC

[PUT Command]

@SYS:TRIG1INPPC=Parameter

[GET Command]

@SYS:TRIG1INPPC=?

Operating & retrieving the setting state for Input PC of Trigger "Type Zone and Input" for Trigger Out 1.

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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- **TRIG1INPNETRADIO**

- [PUT Command]**

- @SYS:TRIG1INPNETRADIO=Parameter*

- [GET Command]**

- @SYS:TRIG1INPNETRADIO=?*

- Operating & retrieving the setting state for Input NETRADIO of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPUSB**

- [PUT Command]**

- @SYS:TRIG1INPUSB=Parameter*

- [GET Command]**

- @SYS:TRIG1INPUSB=?*

- Operating & retrieving the setting state for Input USB of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG1INPIPODUSB**

- [PUT Command]**

- @SYS:TRIG1INPIPODUSB=Parameter*

- [GET Command]**

- @SYS:TRIG1INPIPODUSB=?*

- Operating & retrieving the setting state for Input IPODUSB of Trigger "Type Zone and Input" for Trigger Out 1.

- [Parameters]**

- Parameters are the same as [TRIG1INPSIRIUS](#)*

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- **TRIG2MANUAL**

- [PUT Command]**

- @SYS:TRIG2MANUAL=Parameter*

- [GET Command]**

- @SYS:TRIG2MANUAL=?*

- [Parameters]**

- Parameters are the same as [TRIG1MANUAL](#)*

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- **TRIG2TYPE**

- [PUT Command]**

- @SYS:TRIG2TYPE=Parameter*

[GET Command]

@SYS:TRIG2TYPE=?

[Parameters]

Parameters are the same as [TRIG1TYPE](#)

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• **TRIG2ZONE**

[PUT Command]

@SYS:TRIG2ZONE=Parameter

[GET Command]

@SYS:TRIG2ZONE=?

[Parameters]

Parameters are the same as [TRIG1ZONE](#)

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• **TRIG2INPSIRIUS**

[PUT Command]

@SYS:TRIG2INPSIRIUS=Parameter

[GET Command]

@SYS:TRIG2INPSIRIUS=?

[Parameters]

Parameters are the same as [TRIG1INPSIRIUS](#)

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• **TRIG2INPTUNER**

[PUT Command]

@SYS:TRIG2INPTUNER=Parameter

[GET Command]

@SYS:TRIG2INPTUNER=?

[Parameters]

Parameters are the same as [TRIG1INPTUNER](#)

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• **TRIG2INPMULTICH**

[PUT Command]

@SYS:TRIG2INPMULTICH=Parameter

[GET Command]

@SYS:TRIG2INPMULTICH=?

[Parameters]

Parameters are the same as [TRIG1INPMULTICH](#)

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• **TRIG2INPPHONO**

[PUT Command]

@SYS:TRIG2INPPHONO=Parameter

[GET Command]

@SYS:TRIG2INPPHONO=?

[Parameters]

Parameters are the same as [TRIG1INPPHONO](#)

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• **TRIG2INPAV1**

[PUT Command]

@SYS:TRIG2INPAV1=Parameter

[GET Command]

@SYS:TRIG2INPAV1=?

[Parameters]

Parameters are the same as [TRIG1INPAV1](#)

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• **TRIG2INPAV2**

[PUT Command]

@SYS:TRIG2INPAV2=Parameter

[GET Command]

@SYS:TRIG2INPAV2=?

[Parameters]

Parameters are the same as [TRIG1INPAV2](#)

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• **TRIG2INPAV3**

[PUT Command]

@SYS:TRIG2INPAV3=Parameter

[GET Command]

@SYS:TRIG2INPAV3=?

[Parameters]

Parameters are the same as [TRIG1INPAV3](#)

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• **TRIG2INPAV4**

[PUT Command]

@SYS:TRIG2INPAV4=Parameter

[GET Command]

@SYS:TRIG2INPAV4=?

[Parameters]

Parameters are the same as [TRIG1INPAV4](#)

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• **TRIG2INPAV5**

[PUT Command]

@SYS:TRIG2INPAV5=Parameter

[GET Command]

@SYS:TRIG2INPAV5=?

[Parameters]

Parameters are the same as [TRIG1INPAV5](#)

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• **TRIG2INPAV6**

[PUT Command]

@SYS:TRIG2INPAV6=Parameter

[GET Command]

@SYS:TRIG2INPAV6=?

[Parameters]

Parameters are the same as [TRIG1INPAV6](#)

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• **TRIG2INPAV7**

[PUT Command]

@SYS:TRIG2INPAV7=Parameter

[GET Command]

@SYS:TRIG2INPAV7=?

[Parameters]

Parameters are the same as [TRIG1INPAV7](#)

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• **TRIG2INPVAUX**

[PUT Command]

@SYS:TRIG2INPVAUX=Parameter

[GET Command]

@SYS:TRIG2INPVAUX=?

[Parameters]

Parameters are the same as [TRIG1INPVAUX](#)

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• **TRIG2INPAUDIO1**

[PUT Command]

@SYS:TRIG2INPAUDIO1=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO1=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO1](#)

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• **TRIG2INPAUDIO2**

[PUT Command]

@SYS:TRIG2INPAUDIO2=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO2=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO2](#)

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• **TRIG2INPAUDIO3**

[PUT Command]

@SYS:TRIG2INPAUDIO3=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO3=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO3](#)

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• **TRIG2INPAUDIO4**

[PUT Command]

@SYS:TRIG2INPAUDIO4=Parameter

[GET Command]

@SYS:TRIG2INPAUDIO4=?

[Parameters]

Parameters are the same as [TRIG1INPAUDIO4](#)

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• **TRIG2INPDOCK**

[PUT Command]

@SYS:TRIG2INPDOCK=Parameter

[GET Command]

@SYS:TRIG2INPDOCK=?

[Parameters]

Parameters are the same as [TRIG1INPDOCK](#)

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• **TRIG2INPIPOD**

[PUT Command]

@SYS:TRIG2INPIPOD=Parameter

[GET Command]

@SYS:TRIG2INPIPOD=?

[Parameters]

Parameters are the same as [TRIG1INPIPOD](#)

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• **TRIG2INPBT**

[PUT Command]

@SYS:TRIG2INPBT=Parameter

[GET Command]

@SYS:TRIG2INPBT=?

[Parameters]

Parameters are the same as [TRIG1INPBT](#)

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• **TRIG2INPUAW**

[PUT Command]

@SYS:TRIG2INPUAW=Parameter

[GET Command]

@SYS:TRIG2INPUAW=?

[Parameters]

Parameters are the same as [TRIG1INPUAW](#)

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• **TRIG2INPNET**

[PUT Command]

@SYS:TRIG2INPNET=Parameter

[GET Command]

@SYS:TRIG2INPNET=?

[Parameters]

Parameters are the same as [TRIG1INPNET](#)

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• **TRIG2INPRHAPSODY**

[PUT Command]

@SYS:TRIG2INPRHAPSODY=Parameter

[GET Command]

@SYS:TRIG2INPRHAPSODY=?

[Parameters]

Parameters are the same as [TRIG1INPRHAPSODY](#)

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• **TRIG2INPSIRIUSIR**

[PUT Command]

@SYS:TRIG2INPSIRIUSIR=Parameter

[GET Command]

@SYS:TRIG2INPSIRIUSIR=?

[Parameters]

Parameters are the same as [TRIG1INPSIRIUSIR](#)

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TRIG2INPPANDORA

[PUT Command]

@SYS:TRIG2INPPANDORA=Parameter

[GET Command]

@SYS:TRIG2INPPANDORA=?

[Parameters]

Parameters are the same as [TRIG1INPPANDORA](#)

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• TRIG2INPNAPSTER

[PUT Command]

@SYS:TRIG2INPNAPSTER=Parameter

[GET Command]

@SYS:TRIG2INPNAPSTER=?

[Parameters]

Parameters are the same as [TRIG1INPNAPSTER](#)

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• TRIG2INPPC

[PUT Command]

@SYS:TRIG2INPPC=Parameter

[GET Command]

@SYS:TRIG2INPPC=?

[Parameters]

Parameters are the same as [TRIG1INPPC](#)

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• TRIG2INPNETRADIO

[PUT Command]

@SYS:TRIG2INPNETRADIO=Parameter

[GET Command]

@SYS:TRIG2INPNETRADIO=?

[Parameters]

Parameters are the same as [TRIG1INPNETRADIO](#)

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• TRIG2INPUSB

[PUT Command]

@SYS:TRIG2INPUSB=Parameter

[GET Command]

@SYS:TRIG2INPUSB=?

[Parameters]

Parameters are the same as [TRIG1INPUSB](#)

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- **TRIG2INPIPODUSB**

[PUT Command]

@SYS:TRIG2INPIPODUSB=Parameter

[GET Command]

@SYS:TRIG2INPIPODUSB=?

[Parameters]

Parameters are the same as [TRIG1INPIPODUSB](#)

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- **MEMGRD**

[PUT Command]

@SYS:MEMGRD=Parameter

[GET Command]

@SYS:MEMGRD=?

Operating & retrieving Memory Guard Setting state

[Parameters]

Off

PUT: setting to Off / GET: indicating its setting at Off.

On

PUT: setting to On / GET: indicating its setting at On.

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- **REMOTECODE**

[PUT Command]

@SYS:REMOTECODE=Parameter

Operation by specifying IR command codes.

[Parameters]

Character Code: Hex, Fixed 8 characters

PUT Only: 8-digit ASCII (Hex) IR codes are to be specified for its value. See the IR command chart separately provided. [\[Link To the IR Code File\]](#)

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Sub Unit : MAIN

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date: \$

\$Revision: \$

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Command Details of SubUnit: MAIN

- **AVAIL**

[GET Command]

@MAIN:AVAIL=?

Retrieving the validity of Main Zone operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

- **ZONENAME**

- [PUT Command]**

- @MAIN:ZONENAME=Parameter*

- [GET Command]**

- @MAIN:ZONENAME=?*

- Setting & retrieving renamed info of Main Zone

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 9 characters)*

- PUT: setting its name / GET: indicating its name

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- **SCENENAME**

- [GET Command]**

- @MAIN:SCENENAME=?*

- Retrieving renamed info of all SCENE presets for Main Zone

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- **SCENE1NAME**

- [GET Command]**

- @MAIN:SCENE1NAME=?*

- Retrieving renamed info of SCENE1

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 20 characters)*

- GET Only

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- **SCENE2NAME**

- [GET Command]**

- @MAIN:SCENE2NAME=?*

- Retrieving renamed info of SCENE2

- [Parameters]**

- Parameters are the same as [SCENE1NAME](#)*

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- **SCENE3NAME**

- [GET Command]**

- @MAIN:SCENE3NAME=?*

- Retrieving renamed info of SCENE3

- [Parameters]**

- Parameters are the same as [SCENE1NAME](#)*

- **SCENE4NAME**

[GET Command]

@MAIN:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE5NAME**

[GET Command]

@MAIN:SCENE5NAME=?

Retrieving renamed info of SCENE5

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE6NAME**

[GET Command]

@MAIN:SCENE6NAME=?

Retrieving renamed info of SCENE6

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE7NAME**

[GET Command]

@MAIN:SCENE7NAME=?

Retrieving renamed info of SCENE7

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE8NAME**

[GET Command]

@MAIN:SCENE8NAME=?

Retrieving renamed info of SCENE8

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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- **SCENE9NAME**

[GET Command]

@MAIN:SCENE9NAME=?

Retrieving renamed info of SCENE9

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• SCENE10NAME

[GET Command]

@MAIN:SCENE10NAME=?

Retrieving renamed info of SCENE10

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• SCENE11NAME

[GET Command]

@MAIN:SCENE11NAME=?

Retrieving renamed info of SCENE11

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• SCENE12NAME

[GET Command]

@MAIN:SCENE12NAME=?

Retrieving renamed info of SCENE12

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• BASIC

[GET Command]

@MAIN:BASIC=?

GET Only. Main Zone basic info is retrieved at a time.

Updated by following commands: "@MAIN:PWR", "@MAIN:SLEEP", "@MAIN:VOL", "@MAIN:MUTE", "@MAIN:INP", "@MAIN:STRAIGHT", "@MAIN:ENHANCER" and "@MAIN:SOUNDPRG"

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• PWR

[PUT Command]

@MAIN:PWR=*Parameter*

[GET Command]

@MAIN:PWR=?

Operating & retrieving Power state of Main Zone

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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• SLEEP

[PUT Command]

@MAIN:SLEEP=*Parameter*

[GET Command]

@MAIN:SLEEP=?

Operating & retrieving Sleep setting state of Main Zone

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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• VOL

[PUT Command]

@MAIN:VOL=*Parameter*

[GET Command]

@MAIN:VOL=?

Operating & retrieving Main Zone Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@MAIN:MUTE=*Parameter*

[GET Command]

@MAIN:MUTE=?

Operating & retrieving Main Zone muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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- **MAXVOL**

[PUT Command]

@MAIN:MAXVOL=Parameter

[GET Command]

@MAIN:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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- **INITVOLMODE**

[PUT Command]

@MAIN:INITVOLMODE=Parameter

[GET Command]

@MAIN:INITVOLMODE=?

Operating & retrieving Initial Volume Mode state of Main Zone

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@MAIN:INITVOLLVL=Parameter

[GET Command]

@MAIN:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• INP

[PUT Command]

@MAIN:INP=Parameter

[GET Command]

@MAIN:INP=?

Operating & retrieving Main Zone Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

MULTI CH

PUT: selecting input MULTI CH / GET: indicating current input is MULTI CH

PHONO

PUT: selecting input PHONO / GET: indicating current input is PHONO

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

AV7

PUT: selecting input AV7 / GET: indicating current input is AV7

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

AUDIO3

PUT: selecting input AUDIO3 / GET: indicating current input is AUDIO3

AUDIO4

PUT: selecting input AUDIO4 / GET: indicating current input is AUDIO4

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT Only: selecting input USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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- **AUDSEL**

[PUT Command]

@MAIN:AUDSEL=Parameter

[GET Command]

@MAIN:AUDSEL=?

Operating & retrieving Audio Select setting state

Initial Auto Feedback is Available

Audio Select is for selecting an audio input terminal for the current input. Valid for Main Zone input only.

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Automatically selects audio available terminals. Priority: HDMI > Coax/Opt > Analog

HDMI

PUT: turning its setting state to HDMI / GET: indicating HDMI setting status.

Audio source is fixed to HDMI terminal.

Coax/Opt

PUT: turning its setting state to Coax/Opt / GET: indicating Coax/Opt setting status.

Audio source is fixed to Coax/Opt terminal.

Analog

PUT: turning its setting state to Analog / GET: indicating Analog setting status.

Audio source is fixed to Analog terminal.

Unavailable

GET Only: indicating its setting is currently unavailable.

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- **DECODERSEL**

[PUT Command]

@MAIN:DECODERSEL=Parameter

[GET Command]

@MAIN:DECODERSEL=?

Operating & retrieving Decoder Select setting state

Decoder Select is for selecting an audio decoder specifically.

[Parameters]

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Automatically selects audio decoder. Default value.

DTS

PUT: turning its setting state to DTS / GET: indicating DTS setting status.

Audio decoder is fixed to DTS

Unavailable

GET Only: indicating its setting is currently unavailable.

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• SCENE

[PUT Command]

@MAIN:SCENE=Parameter

Recalling Main Zone Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

Scene 5

PUT Only: selecting Scene 5

Scene 6

PUT Only: selecting Scene 6

Scene 7

PUT Only: selecting Scene 7

Scene 8

PUT Only: selecting Scene 12

Scene 9

PUT Only: selecting Scene 9

Scene 10

PUT Only: selecting Scene 10

Scene 11

PUT Only: selecting Scene 11

Scene 12

PUT Only: selecting Scene 12

- **SPBASS**

[PUT Command]

@MAIN:SPBASS=Parameter

[GET Command]

@MAIN:SPBASS=?

Operating & retrieving Bass Tone Control setting state (Effective to speaker output)

[Parameters]

Numerical Number: -6.0 to 6.0, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

- **SPTREBLE**

[PUT Command]

@MAIN:SPTREBLE=Parameter

[GET Command]

@MAIN:SPTREBLE=?

Operating & retrieving Treble Tone Control setting state. (Effective to speaker output)

[Parameters]

Parameters are the same as [SPBASS](#)

- **PUREDIRMODE**

[PUT Command]

@MAIN:PUREDIRMODE=Parameter

[GET Command]

@MAIN:PUREDIRMODE=?

Operating & retrieving Pure Direct Mode setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

- **ADAPTIVEDRC**

[PUT Command]

@MAIN:ADAPTIVEDRC=Parameter

[GET Command]

@MAIN:ADAPTIVEDRC=?

Operating & retrieving Adaptive DRC setting state

Adaptive DRC is an automatic Dynamic Range Control feature.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• LIPSYNCMODE

[PUT Command]

@MAIN:LIPSYNCMODE=*Parameter*

[GET Command]

@MAIN:LIPSYNCMODE=?

Operating & retrieving Lipsync Mode setting state

[Parameters]

Manual

PUT: turning its setting state to Manual / GET: indicating Manual setting status.

About "Manual" setting of Lipsync Mode: When selecting "Manual" here, the audio delay value can be manually set. The effective setting of the audio delay value has some dependencies as follows. In case of using Analog Video Output only (no HDMI connection is active), audio delay value set by "@MAIN:ANLGOUT" command is effective. In case that HDMI OUT1 is in active connection, the value set by "@MAIN:HDMIOUT1MANUAL" command works. Else if HDMI OUT2 is the only one activated, the setting by "@MAIN:HDMIOUT2MANUAL" is enabled.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

About Lipsync Mode "Auto": Basically, Audio Delay value has 5 different settings internally according to "Video Output State (5 Status available)". And the 5 different status of "Video Output State" is determined by the combination of two states of "Display's state of compatibility/incompatibility with Auto Lipsync feature" and "Current effective HDMI output state (on the receiver)", which means 4 status, plus a status of "Analog Video Out only in use", summing up to 5 in total. The "Auto" setting of Lipsync Mode is to dynamically change the Audio Delay value corresponding to a specific status of Video Output State. "Video Output State" can be retrieved with a command of "@MAIN:SELINFO", and you can set the effective Audio Delay value according to respective Video Output status by these commands as following;

When "@MAIN:SELINFO=Analog": the audio delay can be set by "@MAIN:ANLGOUT" command

When "@MAIN:SELINFO=HDMI1 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1OFFSET" command

When "@MAIN:SELINFO=HDMI1 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT1 is effective): the audio delay can be set by "@MAIN:HDMIOUT1MANUAL" command

When "@MAIN:SELINFO=HDMI2 Auto" (meaning TV compatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2OFFSET" command

When "@MAIN:SELINFO=HDMI2 Manual" (meaning TV incompatible with Auto Lipsync and HDMI OUT 2 is the only one in effective): the audio delay can be set by "@MAIN:HDMIOUT2MANUAL" command

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- **LIPSYNCANLGOUT**

[PUT Command]

@MAIN:LIPSYNCANLGOUT=Parameter

[GET Command]

@MAIN:LIPSYNCANLGOUT=?

Operating & retrieving Audio Delay setting state in case when the Analog Video output is only effective (no HDMI output is in use).

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 500, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT1OFFSET**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1OFFSET=?

Operating & retrieving Audio Delay setting state in case when the Display is compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: -500 to 500, Step: 1

The unit for this parameter is "ms".

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- **LIPSYNCHDMIOUT1MANUAL**

[PUT Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT1MANUAL=?

Operating & retrieving Audio Delay setting state in case when the Display is NOT compatible with Auto Lipsync feature and HDMI OUT1 is effective.

[Parameters]

Down

PUT Only: incrementing by 1 step (1 millisecond)

Up

PUT Only: decrementing by 1 step (1 millisecond)

Numerical Number: 0 to 500, Step: 1

PUT: setting to the specified value. / GET: indicating the current value.

The unit for this parameter is "ms".

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• LIPSYNCHDMIOUT2OFFSET

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2OFFSET=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1OFFSET](#)

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• LIPSYNCHDMIOUT2MANUAL

[PUT Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=Parameter

[GET Command]

@MAIN:LIPSYNCHDMIOUT2MANUAL=?

[Parameters]

Parameters are the same as [LIPSYNCHDMIOUT1MANUAL](#)

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• LIPSYNCSELINFO

[GET Command]

@MAIN:LIPSYNCSELINFO=?

Retrieving current Video Output State

[Parameters]

Analog

GET Only: indicating Analog video connection is only available (no HDMI out is in use)

HDMI1 Auto

GET Only: indicating HDMI1 output connection is effective, and the Display is compatible with Auto Lipsync feature.

HDMI1 Manual

GET Only: indicating HDMI1 output connection is effective, and the Display is NOT compatible with Auto Lipsync feature.

HDMI2 Auto

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is compatible with Auto Lipsync feature.

HDMI2 Manual

GET Only: indicating HDMI2 output connection is the only one in use, and the Display is NOT compatible with Auto Lipsync feature.

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• LIPSYNCOFFSETINFO

[GET Command]

@MAIN:LIPSYNCOFFSETINFO=?

Retrieving the Audio Delay Offset value that is reported by the Display compatible with Auto Lipsync feature

[Parameters]

Numerical Number: 0 to 500, Step: 1

The unit for this parameter is "ms".

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• HDMIOUT

[PUT Command]

@MAIN:HDMIOUT=Parameter

[GET Command]

@MAIN:HDMIOUT=?

Operating & retrieving HDMI Output setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off (output is disabled)/ GET: indicating Off setting status.

OUT1

PUT: turning its setting state to OUT1 (HDMI OUT2 is disabled) / GET: indicating OUT1 setting status.

OUT2

PUT: turning its setting state to OUT2 (HDMI OUT1 is disabled) / GET: indicating OUT2 setting status.

OUT1 + 2

PUT: turning its setting state to OUT1 + 2 (Both HDMI OUT1 & 2 are enabled) / GET: indicating OUT1 + 2 setting status.

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• HDMIAUDOUTAMP

[PUT Command]

@MAIN:HDMIAUDOUTAMP=Parameter

[GET Command]

@MAIN:HDMIAUDOUTAMP=?

Operating & retrieving HDMI Audio Output to Amp (Receiver) setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **HDMIAUDOUT1**

[PUT Command]

@MAIN:HDMIAUDOUT1=Parameter

[GET Command]

@MAIN:HDMIAUDOUT1=?

Operating & retrieving HDMI Audio Output to HDMI OUT1 setting state

[Parameters]

Parameters are the same as [HDMIAUDOUTAMP](#)

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- **HDMIAUDOUT2**

[PUT Command]

@MAIN:HDMIAUDOUT2=Parameter

[GET Command]

@MAIN:HDMIAUDOUT2=?

Operating & retrieving HDMI Audio Output to HDMI OUT2 setting state

[Parameters]

Parameters are the same as [HDMIAUDOUTAMP](#)

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- **TVAUDIN1**

[PUT Command]

@MAIN:TVAUDIN1=Parameter

[GET Command]

@MAIN:TVAUDIN1=?

Operating & retrieving TV Audio In: TV1 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT1.

[Parameters]

AUDIO1

PUT: turning its setting state to AUDIO1 / GET: indicating AUDIO1 setting status.

AUDIO2

PUT: turning its setting state to AUDIO2 / GET: indicating AUDIO2 setting status.

AUDIO3

PUT: turning its setting state to AUDIO3 / GET: indicating AUDIO3 setting status.

AUDIO4

PUT: turning its setting state to AUDIO4 / GET: indicating AUDIO4 setting status.

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• TVAUDIN2

[PUT Command]

@MAIN:TVAUDIN2=Parameter

[GET Command]

@MAIN:TVAUDIN2=?

Operating & retrieving TV Audio In: TV2 setting status.

This sets which input is going to use the Audio Return signal from the TV connected to HDMI OUT2.

[Parameters]

Parameters are the same as [TVAUDIN1](#)

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• HDMIPROCESSING

[PUT Command]

@MAIN:HDMIPROCESSING=Parameter

[GET Command]

@MAIN:HDMIPROCESSING=?

Operating & retrieving HDMI Video Processing setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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• HDMIASPECT

[PUT Command]

@MAIN:HDMIASPECT=Parameter

[GET Command]

@MAIN:HDMIASPECT=?

Operating & retrieving HDMI Video Aspect setting state

[Parameters]

Through

PUT: turning its setting state to Through / GET: indicating Through setting status.

16:9 Normal

PUT: turning its setting state to 16:9 Normal / GET: indicating 16:9 Normal setting status.

Smart Zoom

PUT: turning its setting state to Smart Zoom / GET: indicating Smart Zoom setting status.

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- **HDMIRESOL**

- [PUT Command]**

- @MAIN:HDMIRESOL=Parameter*

- [GET Command]**

- @MAIN:HDMIRESOL=?*

- Operating & retrieving HDMI Video Resolution setting state

- [Parameters]**

- Auto*

- PUT: turning its setting state to Auto / GET: indicating Auto setting status.

- 480p / 576p*

- PUT: turning its setting state to 480p / 576p / GET: indicating 480p / 576p setting status.

- 720p*

- PUT: turning its setting state to 720p / GET: indicating 720p setting status.

- 1080i*

- PUT: turning its setting state to 1080i / GET: indicating 1080i setting status.

- 1080p*

- PUT: turning its setting state to 1080p / GET: indicating 1080p setting status.

- Through*

- PUT: turning its setting state to Through / GET: indicating Through setting status.

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- **HPBASS**

- [PUT Command]**

- @MAIN:HPBASS=Parameter*

- [GET Command]**

- @MAIN:HPBASS=?*

- Operating & retrieving Bass Tone Control setting state for Headphone

- [Parameters]**

- Numerical Number: -6.0 to 6.0, Step: 0.5*

- PUT: setting to the specified value. / GET: indicating the current value.

- The unit for this parameter is "dB".

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- **HPTREBLE**

- [PUT Command]**

- @MAIN:HPTREBLE=Parameter*

- [GET Command]**

- @MAIN:HPTREBLE=?*

- Operating & retrieving Treble Tone Control setting state for Headphone

- [Parameters]**

- **STRAIGHT**

[PUT Command]

@MAIN:STRAIGHT=Parameter

[GET Command]

@MAIN:STRAIGHT=?

Operating & retrieving STRAIGHT setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **ENHANCER**

[PUT Command]

@MAIN:ENHANCER=Parameter

[GET Command]

@MAIN:ENHANCER=?

Operating & retrieving ENHANCER setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **SOUNDPRG**

[PUT Command]

@MAIN:SOUNDPRG=Parameter

[GET Command]

@MAIN:SOUNDPRG=?

Operating & retrieving DSP SOUND PROGRAM setting state

Initial Auto Feedback is Available

[Parameters]

Hall in Munich

PUT: turning its setting state to Hall in Munich / GET: indicating Hall in Munich setting status.

Hall in Vienna

PUT: turning its setting state to Hall in Vienna / GET: indicating Hall in Vienna setting status.

Hall in Amsterdam

PUT: turning its setting state to Hall in Amsterdam / GET: indicating Hall in Amsterdam setting status.

Church in Freiburg

PUT: turning its setting state to Church in Freiburg / GET: indicating Church in Freiburg setting status.

Church in Royaumont

PUT: turning its setting state to Church in Royaumont / GET: indicating Church in Royaumont setting status.

Chamber

PUT: turning its setting state to Chamber / GET: indicating Chamber setting status.

Village Vanguard

PUT: turning its setting state to Village Vanguard / GET: indicating Village Vanguard setting status.

Warehouse Loft

PUT: turning its setting state to Warehouse Loft / GET: indicating Warehouse Loft setting status.

Cellar Club

PUT: turning its setting state to Cellar Club / GET: indicating Cellar Club setting status.

The Roxy Theatre

PUT: turning its setting state to The Roxy Theatre / GET: indicating The Roxy Theatre setting status.

The Bottom Line

PUT: turning its setting state to The Bottom Line / GET: indicating The Bottom Line setting status.

Sports

PUT: turning its setting state to Sports / GET: indicating Sports setting status.

Action Game

PUT: turning its setting state to Action Game / GET: indicating Action Game setting status.

Roleplaying Game

PUT: turning its setting state to Roleplaying Game / GET: indicating Roleplaying Game setting status.

Music Video

PUT: turning its setting state to Music Video / GET: indicating Music Video setting status.

Recital/Opera

PUT: turning its setting state to Recital/Opera / GET: indicating Recital/Opera setting status.

Standard

PUT: turning its setting state to Standard / GET: indicating Standard setting status.

Spectacle

PUT: turning its setting state to Spectacle / GET: indicating Spectacle setting status.

Sci-Fi

PUT: turning its setting state to Sci-Fi / GET: indicating Sci-Fi setting status.

Adventure

PUT: turning its setting state to Adventure / GET: indicating Adventure setting status.

Drama

PUT: turning its setting state to Drama / GET: indicating Drama setting status.

Mono Movie

PUT: turning its setting state to Mono Movie / GET: indicating Mono Movie setting status.

2ch Stereo

PUT: turning its setting state to 2ch Stereo / GET: indicating 2ch Stereo setting status.

9ch Stereo

PUT: turning its setting state to 9ch Stereo / GET: indicating 9ch Stereo setting status.

Surround Decoder

PUT: turning its setting state to Surround Decoder / GET: indicating Surround Decoder setting status.

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• **ADAPTIVEDSP**

[PUT Command]

@MAIN:ADAPTIVEDSP=Parameter

[GET Command]

@MAIN:ADAPTIVEDSP=?

Operating & retrieving Adaptive DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• **3DCINEMA**

[PUT Command]

@MAIN:3DCINEMA=Parameter

[GET Command]

@MAIN:3DCINEMA=?

Operating & retrieving 3D DSP setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

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• **EXSURDECODER**

[PUT Command]

@MAIN:EXSURDECODER=Parameter

[GET Command]

@MAIN:EXSURDECODER=?

Operating & retrieving Extended Surround setting state

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

Auto

PUT: turning its setting state to Auto / GET: indicating Auto setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

EX/ES

PUT: turning its setting state to EX/ES / GET: indicating EX/ES setting status.

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• 2CHDECODER

[PUT Command]

@MAIN:2CHDECODER=Parameter

[GET Command]

@MAIN:2CHDECODER=?

Operating & retrieving Surround Decoder setting state for 2ch audio signal

It changes to PLII or PLIIx automatically depending on other settings or status.

[Parameters]

Dolby PL

Dolby PLII Movie

PUT: turning its setting state to Dolby PLII Movie / GET: indicating Dolby PLII Movie setting status.

Dolby PLII Music

PUT: turning its setting state to Dolby PLII Music / GET: indicating Dolby PLII Music setting status.

Dolby PLII Game

PUT: turning its setting state to Dolby PLII Game / GET: indicating Dolby PLII Game setting status.

Dolby PLIIx Movie

PUT: turning its setting state to Dolby PLIIx Movie / GET: indicating Dolby PLIIx Movie setting status.

Dolby PLIIx Music

PUT: turning its setting state to Dolby PLIIx Music / GET: indicating Dolby PLIIx Music setting status.

Dolby PLIIx Game

PUT: turning its setting state to Dolby PLIIx Game / GET: indicating Dolby PLIIx Game setting status.

DTS NEO:6 Cinema

PUT: turning its setting state to DTS NEO:6 Cinema / GET: indicating DTS NEO:6 Cinema setting status.

DTS NEO:6 Music

PUT: turning its setting state to DTS NEO:6 Music / GET: indicating DTS NEO:6 Music setting status.

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- **PLAYBACK**

- [PUT Command]**

- @MAIN:PLAYBACK=Parameter*

- Operating the playback state

- [Parameters]**

- Stop*

- PUT Only: change its state to Stop

- Pause*

- PUT Only: change its state to Pause

- Play*

- PUT Only: change its state to Play

- Skip Rev*

- PUT Only: change its state to Skip Rev

- Skip Fwd*

- PUT Only: change its state to Skip Fwd

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- **LISTCURSOR**

- [PUT Command]**

- @MAIN:LISTCURSOR=Parameter*

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Left*

- Right*

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTMENU**

- [PUT Command]**

- @MAIN:LISTMENU=Parameter*

- [Parameters]**

- On Screen*

- Top Menu*

- Menu*

Sub Unit : ZONE2

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

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- **AVAIL**

- [GET Command]**

- @ZONE2:AVAIL=?

- Retrieving the validity of Zone 2 operational status

- Initial Auto Feedback is Available*

- [Parameters]**

- Not Ready*

- GET Only: indicating invalid state of operation

- Ready*

- GET Only: indicating valid state of operation

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- **ZONENAME**

- [PUT Command]**

- @ZONE2:ZONENAME=*Parameter*

- [GET Command]**

- @ZONE2:ZONENAME=?

- Setting & retrieving renamed info of Zone 2

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 9 characters)*

- PUT: setting its name / GET: indicating its name

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- **SCENENAME**

- [GET Command]**

- @ZONE2:SCENENAME=?

- Retrieving renamed info of all SCENE presets for Zone 2

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- **SCENE1NAME**

- [GET Command]**

- @ZONE2:SCENE1NAME=?

- Retrieving renamed info of SCENE1

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 20 characters)*

- GET Only

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- **SCENE2NAME**

- [GET Command]**

@ZONE2:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **SCENE3NAME**

[GET Command]

@ZONE2:SCENE3NAME=?

Retrieving renamed info of SCENE3

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **SCENE4NAME**

[GET Command]

@ZONE2:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **BASIC**

[GET Command]

@ZONE2:BASIC=?

GET Only. Zone 2 basic info is retrieved at a time.

Updated by following commands: "@ZONE2:PWR", "@ZONE2:SLEEP", "@ZONE2:VOL", "@ZONE2:MUTE", and "@ZONE2:INP"

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• **PWR**

[PUT Command]

@ZONE2:PWR=*Parameter*

[GET Command]

@ZONE2:PWR=?

Operating & retrieving Power state of Zone 2

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@ZONE2:SLEEP=Parameter

[GET Command]

@ZONE2:SLEEP=?

Operating & retrieving Sleep setting state of Zone 2

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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- **VOL**

[PUT Command]

@ZONE2:VOL=Parameter

[GET Command]

@ZONE2:VOL=?

Operating & retrieving Zone 2 Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@ZONE2:MUTE=*Parameter*

[GET Command]

@ZONE2:MUTE=?

Operating & retrieving Zone 2 muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• VOLFIXVAR

[PUT Command]

@ZONE2:VOLFIXVAR=*Parameter*

[GET Command]

@ZONE2:VOLFIXVAR=?

Operating & retrieving Zone 2 Preout Level setting state

[Parameters]

Variable

PUT: turning its setting state to Variable / GET: indicating Variable setting status.

Fixed

PUT: turning its setting state to Fixed / GET: indicating Fixed setting status.

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• MAXVOL

[PUT Command]

@ZONE2:MAXVOL=*Parameter*

[GET Command]

@ZONE2:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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• INITVOLMODE

[PUT Command]

@ZONE2:INITVOLMODE=*Parameter*

[GET Command]

@ZONE2:INITVOLMODE=?

Operating & retrieving Initial Volume Mode setting state of Zone 2

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@ZONE2:INITVOLLVL=Parameter

[GET Command]

@ZONE2:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **BALANCE**

[PUT Command]

@ZONE2:BALANCE=Parameter

[GET Command]

@ZONE2:BALANCE=?

Operating & retrieving Channel Balance setting state of Zone 2

[Parameters]

Numerical Number: -20 to 20, Step: 1

PUT: setting to the specified value. / GET: indicating the current setting value.

0 means the balance is at the center.

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- **INP**

[PUT Command]

@ZONE2:INP=Parameter

[GET Command]

@ZONE2:INP=?

Operating & retrieving Zone 2 Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

PHONO

PUT: selecting input PHONO / GET: indicating current input is PHONO

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

AUDIO3

PUT: selecting input AUDIO / GET: indicating current input is AUDIO

AUDIO4

PUT: selecting input AUDIO4 / GET: indicating current input is AUDIO4

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT: selecting input USB / GET: indicating current input is USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• SCENE

[PUT Command]

@ZONE2:SCENE=Parameter

Recalling Zone 2 Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

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• BASS

[PUT Command]

@ZONE2:BASS=Parameter

[GET Command]

@ZONE2:BASS=?

Operating & retrieving Bass Tone Control setting state

[Parameters]

Numerical Number: -10.0 to 10.0, Step: 2.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

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• TREBLE

[PUT Command]

@ZONE2:TREBLE=Parameter

[GET Command]

@ZONE2:TREBLE=?

Operating & retrieving Treble Tone Control setting state

[Parameters]

Parameters are the same as [BASS](#)

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• **PLAYBACK**

[PUT Command]

@ZONE2:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **LISTCURSOR**

[PUT Command]

@ZONE2:LISTCURSOR=Parameter

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Left

Right

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTMENU**

[PUT Command]

@ZONE2:LISTMENU=Parameter

[Parameters]

On Screen

Top Menu

Menu

Option

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Sub Unit : ZONE3

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

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- **AVAIL**

- [GET Command]**

- @ZONE3:AVAIL=?

- Retrieving the validity of Zone 3 operational status

- Initial Auto Feedback is Available*

- [Parameters]**

- Not Ready*

- GET Only: indicating invalid state of operation

- Ready*

- GET Only: indicating valid state of operation

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- **ZONENAME**

- [PUT Command]**

- @ZONE3:ZONENAME=*Parameter*

- [GET Command]**

- @ZONE3:ZONENAME=?

- Setting & retrieving renamed info of Zone 3

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 9 characters)*

- PUT: setting its name / GET: indicating its name

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- **SCENENAME**

- [GET Command]**

- @ZONE3:SCENENAME=?

- Retrieving renamed info of all SCENE presets for Zone 3

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- **SCENE1NAME**

- [GET Command]**

- @ZONE3:SCENE1NAME=?

- Retrieving renamed info of SCENE1

- [Parameters]**

- Character Code: Latin-1, Variable Length (0 to 20 characters)*

- GET Only

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- **SCENE2NAME**

- [GET Command]**

@ZONE3:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **SCENE3NAME**

[GET Command]

@ZONE3:SCENE3NAME=?

Retrieving renamed info of SCENE3

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **SCENE4NAME**

[GET Command]

@ZONE3:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **BASIC**

[GET Command]

@ZONE3:BASIC=?

GET Only. Zone 3 basic info is retrieved at a time.

Updated by following commands: "@ZONE3:PWR", "@ZONE3:SLEEP", "@ZONE3:VOL", "@ZONE3:MUTE", and "@ZONE3:INP"

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• **PWR**

[PUT Command]

@ZONE3:PWR=*Parameter*

[GET Command]

@ZONE3:PWR=?

Operating & retrieving Power state of Zone 3

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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- **SLEEP**

[PUT Command]

@ZONE3:SLEEP=Parameter

[GET Command]

@ZONE3:SLEEP=?

Operating & retrieving Sleep setting state of Zone 3

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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- **VOL**

[PUT Command]

@ZONE3:VOL=Parameter

[GET Command]

@ZONE3:VOL=?

Operating & retrieving Zone 3 Volume state

Initial Auto Feedback is Available

[Parameters]

Down

PUT Only: decrementing by 1 step (0.5dB)

Up

PUT Only: incrementing by 1 step (0.5dB)

Down 1 dB

PUT Only: decrementing by 1 dB

Up 1 dB

PUT Only: incrementing by 1 dB

Down 2 dB

PUT Only: decrementing by 2 dB

Up 2 dB

PUT Only: incrementing by 2 dB

Down 5 dB

PUT Only: decrementing by 5 dB

Up 5 dB

PUT Only: incrementing by 5 dB

Numerical Number: -80.5 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current value.

-80.5 means muting. First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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• MUTE

[PUT Command]

@ZONE3:MUTE=Parameter

[GET Command]

@ZONE3:MUTE=?

Operating & retrieving Zone 3 muting state.

Initial Auto Feedback is Available

[Parameters]

Off

PUT: turning its state to Off / GET: indicating Off status.

Att -40 dB

PUT: attenuating by 40 dB from current volume status. / GET: indicating attenuated by 40 dB from current volume status.

Att -20 dB

PUT: attenuating by 20 dB from current volume status. / GET: indicating attenuated by 20 dB from current volume status.

On

PUT: turning its state to On / GET: indicating On status.

On/Off

PUT Only: toggling its status between On/Off

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• VOLFIXVAR

[PUT Command]

@ZONE3:VOLFIXVAR=Parameter

[GET Command]

@ZONE3:VOLFIXVAR=?

Operating & retrieving Zone 3 Preout Level setting state

[Parameters]

Variable

PUT: turning its setting state to Variable / GET: indicating Variable setting status.

Fixed

PUT: turning its setting state to Fixed / GET: indicating Fixed setting status.

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• MAXVOL

[PUT Command]

@ZONE3:MAXVOL=*Parameter*

[GET Command]

@ZONE3:MAXVOL=?

Operating & retrieving Max Volume setting state of Main Zone

For setting the upper limit of volume

[Parameters]

Numerical Number: -30.0 to 15.0, Step: 5.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

16.5

PUT: setting to the specified value. / GET: indicating the current setting value.

Meaning no limit of maximum volume
The unit for this parameter is "dB".

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• INITVOLMODE

[PUT Command]

@ZONE3:INITVOLMODE=*Parameter*

[GET Command]

@ZONE3:INITVOLMODE=?

Operating & retrieving Initial Volume Mode setting state of Zone 3

Initial Volume is for setting the volume value initially set when the applicable Zone is turned on.

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

On

PUT: turning its setting state to On / GET: indicating On setting status.

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- **INITVOLLVL**

[PUT Command]

@ZONE3:INITVOLLVL=Parameter

[GET Command]

@ZONE3:INITVOLLVL=?

Operating & retrieving Initial Volume Level setting state of Main Zone

[Parameters]

Mute

PUT: turning its setting state to Mute / GET: indicating Mute setting status.

Initially muted when turned on

Numerical Number: -80.0 to 16.5, Step: 0.5

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 10.0, -25.0 or 0.0 etc.
The unit for this parameter is "dB".

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- **BALANCE**

[PUT Command]

@ZONE3:BALANCE=Parameter

[GET Command]

@ZONE3:BALANCE=?

Operating & retrieving Channel Balance setting state of Zone 3

[Parameters]

Numerical Number: -20 to 20, Step: 1

PUT: setting to the specified value. / GET: indicating the current setting value.

0 means the balance is at the center.

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- **INP**

[PUT Command]

@ZONE3:INP=Parameter

[GET Command]

@ZONE3:INP=?

Operating & retrieving Zone 3 Input state.

Initial Auto Feedback is Available

[Parameters]

SIRIUS

PUT: selecting input SIRIUS / GET: indicating current input is SIRIUS

TUNER

PUT: selecting input TUNER / GET: indicating current input is TUNER

PHONO

PUT: selecting input PHONO / GET: indicating current input is PHONO

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

AUDIO3

PUT: selecting input AUDIO / GET: indicating current input is AUDIO

AUDIO4

PUT: selecting input AUDIO4 / GET: indicating current input is AUDIO4

DOCK

PUT Only: selecting input DOCK

iPod

PUT: selecting input iPod / GET: indicating current input is iPod

Bluetooth

PUT: selecting input Bluetooth / GET: indicating current input is Bluetooth

UAW

PUT: selecting input UAW / GET: indicating current input is UAW

NET

PUT Only: selecting input NET

Rhapsody

PUT: selecting input Rhapsody / GET: indicating current input is Rhapsody

SIRIUS InternetRadio

PUT: selecting input SIRIUS InternetRadio / GET: indicating current input is SIRIUS InternetRadio

Pandora

PUT: selecting input Pandora / GET: indicating current input is Pandora

Napster

PUT: selecting input Napster / GET: indicating current input is Napster

PC

PUT: selecting input PC / GET: indicating current input is PC

NET RADIO

PUT: selecting input NET RADIO / GET: indicating current input is NET RADIO

USB

PUT: selecting input USB / GET: indicating current input is USB

iPod (USB)

PUT: selecting input iPod (USB) / GET: indicating current input is iPod (USB)

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• SCENE

[PUT Command]

@ZONE3:SCENE=Parameter

Recalling Zone 3 Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

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• BASS

[PUT Command]

@ZONE3:BASS=Parameter

[GET Command]

@ZONE3:BASS=?

Operating & retrieving Bass Tone Control setting state

[Parameters]

Numerical Number: -10.0 to 10.0, Step: 2.0

PUT: setting to the specified value. / GET: indicating the current setting value.

First decimal place must be always included. Ex: 3.0, -4.0
The unit for this parameter is "dB".

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• TREBLE

[PUT Command]

@ZONE3:TREBLE=Parameter

[GET Command]

@ZONE3:TREBLE=?

Operating & retrieving Treble Tone Control setting state

[Parameters]

Parameters are the same as [BASS](#)

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• **PLAYBACK**

[PUT Command]

@ZONE3:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **LISTCURSOR**

[PUT Command]

@ZONE3:LISTCURSOR=Parameter

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Left

Right

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTMENU**

[PUT Command]

@ZONE3:LISTMENU=Parameter

[Parameters]

On Screen

Top Menu

Menu

Option

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Sub Unit : ZONE4

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: ZONE4

- **AVAIL**

[GET Command]

@ZONE4:AVAIL=?

Retrieving the validity of Zone 4 operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

- **ZONENAME**

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[PUT Command]

@ZONE4:ZONENAME=*Parameter*

[GET Command]

@ZONE4:ZONENAME=?

Setting & retrieving renamed info of Zone 4

[Parameters]

Character Code: Latin-1, Variable Length (0 to 9 characters)

PUT: setting its name / GET: indicating its name

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• **SCENENAME**

[GET Command]

@ZONE4:SCENENAME=?

Retrieving renamed info of all SCENE presets for Zone 4

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• **SCENE1NAME**

[GET Command]

@ZONE4:SCENE1NAME=?

Retrieving renamed info of SCENE1

[Parameters]

Character Code: Latin-1, Variable Length (0 to 20 characters)

GET Only

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• **SCENE2NAME**

[GET Command]

@ZONE4:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **SCENE3NAME**

[GET Command]

@ZONE4:SCENE3NAME=?

Retrieving renamed info of SCENE3

[Parameters]

Parameters are the same as [SCENE1NAME](#)

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• **SCENE4NAME**

[GET Command]

@ZONE4:SCENE4NAME=?

Retrieving renamed info of SCENE4

[Parameters]

Parameters are the same as [SCENEINAME](#)

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• BASIC

[GET Command]

@ZONE4:BASIC=?

GET Only. Zone 4 basic info is retrieved at a time.

Updated by following commands: "@ZONE4:PWR", "@ZONE4:SLEEP", and "@ZONE4:INP"

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• PWR

[PUT Command]

@ZONE4:PWR=*Parameter*

[GET Command]

@ZONE4:PWR=?

Operating & retrieving Power state of Zone 4

Initial Auto Feedback is Available

[Parameters]

Standby

PUT: turning its state to Standby / GET: indicating Standby status.

On

PUT: turning its state to On / GET: indicating On status.

On/Standby

PUT Only: toggling its status between On/Standby

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• SLEEP

[PUT Command]

@ZONE4:SLEEP=*Parameter*

[GET Command]

@ZONE4:SLEEP=?

Operating & retrieving Sleep setting state of Zone 4

[Parameters]

Off

PUT: turning its setting state to Off / GET: indicating Off setting status.

30 min

PUT: setting to 30 min / GET: indicating it's setting is 30 min.

60 min

PUT: setting to 60 min / GET: indicating it's setting is 60 min.

90 min

PUT: setting to 90 min / GET: indicating it's setting is 90 min.

120 min

PUT: setting to 120 min / GET: indicating it's setting is 120 min.

Last

PUT Only: setting to the value set last

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- **INP**

[PUT Command]

@ZONE4:INP=*Parameter*

[GET Command]

@ZONE4:INP=?

Operating & retrieving Zone 4 Input state.

Initial Auto Feedback is Available

Only inputs assigned with a digital audio (coax or opt) terminal are selectable in Zone 4.

[Parameters]

AV1

PUT: selecting input AV1 / GET: indicating current input is AV1

AV2

PUT: selecting input AV2 / GET: indicating current input is AV2

AV3

PUT: selecting input AV3 / GET: indicating current input is AV3

AV4

PUT: selecting input AV4 / GET: indicating current input is AV4

AV5

PUT: selecting input AV5 / GET: indicating current input is AV5

AV6

PUT: selecting input AV6 / GET: indicating current input is AV6

AV7

PUT: selecting input AV7 / GET: indicating current input is AV7

V-AUX

PUT: selecting input V-AUX / GET: indicating current input is V-AUX

AUDIO1

PUT: selecting input AUDIO1 / GET: indicating current input is AUDIO1

AUDIO2

PUT: selecting input AUDIO2 / GET: indicating current input is AUDIO2

AUDIO3

PUT: selecting input AUDIO / GET: indicating current input is AUDIO

AUDIO4

PUT: selecting input AUDIO4 / GET: indicating current input is AUDIO4

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• **SCENE**

[PUT Command]

@ZONE4:SCENE=Parameter

Recalling Zone 4 Scene banks.

[Parameters]

Scene 1

PUT Only: selecting Scene 1

Scene 2

PUT Only: selecting Scene 2

Scene 3

PUT Only: selecting Scene 3

Scene 4

PUT Only: selecting Scene 4

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Sub Unit : HDRADIO

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: HDRADIO

AVAIL

[GET Command]

@HDRADIO:AVAIL=?

Retrieving the validity of HD Radio operational status

Initial Auto Feedback is Available

[Parameters]

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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• SEARCHMODE

[PUT Command]

@HDRADIO:SEARCHMODE=*Parameter*

[GET Command]

@HDRADIO:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

Tuning

PUT: selecting Tuning search mode / GET: indicating current search mode is Tuning

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• PRESET

[PUT Command]

@HDRADIO:PRESET=*Parameter*

[GET Command]

@HDRADIO:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available preset number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available preset number to the current one in the way of smaller number to larger.

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• MEM

[PUT Command]

@HDRADIO:MEM=Parameter

Registering current frequency to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• FMFREQ

[PUT Command]

@HDRADIO:FMFREQ=Parameter

[GET Command]

@HDRADIO:FMFREQ=?

Operating & retrieving FM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no FM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 87.50 to 107.90, Step: 0.20

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "MHz".

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- **AMFREQ**

[PUT Command]

@HDRADIO:AMFREQ=Parameter

[GET Command]

@HDRADIO:AMFREQ=?

Operating & retrieving AM frequency

Initial Auto Feedback is Available

[Parameters]

(No Character)

PUT Only: used when there's no AM frequency specified.

This is a dummy command.

Down

PUT Only: incrementing it by 1 step

Up

PUT Only: decrementing it by 1 step

Auto Down

PUT Only: starting Auto Search to the incremental direction.

Auto Up

PUT Only: starting Auto Search to the decremental direction.

Numerical Number: 530 to 1710, Step: 10

PUT: tuning to the specified frequency. / GET: indicating the current frequency.

The unit for this parameter is "kHz".

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- **BAND**

[PUT Command]

@HDRADIO:BAND=Parameter

[GET Command]

@HDRADIO:BAND=?

Operating & retrieving the Frequency Band type

Initial Auto Feedback is Available

[Parameters]

FM

PUT: selecting FM / GET: indicating current band type is FM

AM

PUT: selecting AM / GET: indicating current band type is AM

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- **PRGSEL**

[PUT Command]

@HDRADIO:PRGSEL=Parameter

[GET Command]

@HDRADIO:PRGSEL=?

Operating & retrieving Program Number

Initial Auto Feedback is Available

[Parameters]

GET Only: indicating Program Number is not selected.

HD1

PUT: selecting Program Number 1 / GET: indicating current Program Number is 1

HD2

PUT: selecting Program Number 2 / GET: indicating current Program Number is 2

HD3

PUT: selecting Program Number 3 / GET: indicating current Program Number is 3

HD4

PUT: selecting Program Number 4 / GET: indicating current Program Number is 4

HD5

PUT: selecting Program Number 5 / GET: indicating current Program Number is 5

HD6

PUT: selecting Program Number 6 / GET: indicating current Program Number is 6

HD7

PUT: selecting Program Number 7 / GET: indicating current Program Number is 7

HD8

PUT: selecting Program Number 8 / GET: indicating current Program Number is 8

Down

PUT Only: changing Program Number to the decremental direction.

Non selectable program numbers are skipped.

Up

PUT Only: changing Program Number to the incremental direction.

Non selectable program numbers are skipped.

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- **AUDIOMODE**

[PUT Command]

@HDRADIO:AUDIOMODE=Parameter

[GET Command]

@HDRADIO:AUDIOMODE=?

Operating & retrieving current playback mode when tuned

Initial Auto Feedback is Available

[Parameters]

Auto

PUT: selecting Auto mode. / GET: indicating Auto mode

This is a mode that automatically selects available HD stations, playback in Stereo, and mutes the sound when no HD/stereo reception is available.

Mono

PUT: selecting Mono mode. / GET: indicating Mono mode

This is a mode to force the reception to be an analog domein (not HD's digital domein) and to be a monaural (used when the reception is weak and easily gets muted).

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• TAGSET

[PUT Command]

@HDRADIO:TAGSET=Parameter

Operating HD Radio's Tag data

[Parameters]

Add

PUT Only: saving Tag data

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• SIGINFO

[GET Command]

@HDRADIO:SIGINFO=?

GET Only. Tuning singal status can be retrieved at a time.

Updated by following commands: "@HDRADIO:TUNED", "@HDRADIO:SIGSTEREOMONO" and "@HDRADIO:HDSIGINFO"

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• TUNED

[GET Command]

@HDRADIO:TUNED=?

Retrieving the tuning status

Initial Auto Feedback is Available

[Parameters]

Negate

GET Only: indicating untuned status

Assert

GET Only: indicating tuned to a station

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- **SIGSTEREOMONO**

[GET Command]

@HDRADIO:SIGSTEREOMONO=?

Retrieving whether the playback signal is mono or stereo.

Initial Auto Feedback is Available

Negate means now playing monaural signal or not tuned. Assert means now playing Stereo signal.

[Parameters]

Parameters are the same as *TUNED*

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- **HDSIGINFO**

[GET Command]

@HDRADIO:HDSIGINFO=?

Retrieving whether the playback signal is HD or analog

Negate means now playing analog signal or not tuned. Assert means now playing HD signal.

[Parameters]

Parameters are the same as *TUNED*

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- **AVAILPRG1**

[GET Command]

@HDRADIO:AVAILPRG1=?

Retrieving HD Program Number 1 availability

Initial Auto Feedback is Available

[Parameters]

Unavailable

GET Only: indicating it's Unavailable

Available

GET Only: indicating it's Available

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- **AVAILPRG2**

[GET Command]

@HDRADIO:AVAILPRG2=?

Retrieving HD Program Number 2 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• **AVAILPRG3**

[GET Command]

@HDRADIO:AVAILPRG3=?

Retrieving HD Program Number 3 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• **AVAILPRG4**

[GET Command]

@HDRADIO:AVAILPRG4=?

Retrieving HD Program Number 4 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• **AVAILPRG5**

[GET Command]

@HDRADIO:AVAILPRG5=?

Retrieving HD Program Number 5 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• **AVAILPRG6**

[GET Command]

@HDRADIO:AVAILPRG6=?

Retrieving HD Program Number 6 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• **AVAILPRG7**

[GET Command]

@HDRADIO:AVAILPRG7=?

Retrieving HD Program Number 7 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• AVAILPRG8

[GET Command]

@HDRADIO:AVAILPRG8=?

Retrieving HD Program Number 8 availability

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [AVAILPRG1](#)

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• TAGINFO

[GET Command]

@HDRADIO:TAGINFO=?

Retrieving Tag Info availability

Initial Auto Feedback is Available

[Parameters]

Unavailable

GET Only: indicating it's Unavailable

Available

GET Only: indicating it's Available

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• METAINFO

[GET Command]

@HDRADIO:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@HDRADIO:STATION", "@HDRADIO:PRGNUM", "@HDRADIO:PRGTYPE", "@HDRADIO:SONG", "@HDRADIO:ARTIST" and "@HDRADIO:ALBUM"

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• STATION

[GET Command]

@HDRADIO:STATION=?

Retrieving Station Name.

Initial Auto Feedback is Available

[Parameters]

Character Code: Latin-1, Variable Length (0 to 15 characters)

GET Only

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• PRGNUM

[GET Command]

@HDRADIO:PRGNUM=?

Retrieving HD Program Number Name.

Initial Auto Feedback is Available

[Parameters]

GET Only: indicating no HD Program is selected

HD1

GET Only: indicating current Program Number is 1

HD2

GET Only: indicating current Program Number is 2

HD3

GET Only: indicating current Program Number is 3

HD4

GET Only: indicating current Program Number is 4

HD5

GET Only: indicating current Program Number is 5

HD6

GET Only: indicating current Program Number is 6

HD7

GET Only: indicating current Program Number is 7

HD8

GET Only: indicating current Program Number is 8

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• PRGTYPE

[GET Command]

@HDRADIO:PRGTYPE=?

Retrieving Program Type.

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

- **SONG**

[GET Command]

@HDRADIO:SONG=?

Retrieving Song title.

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as *PRGTYPE*

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- **ARTIST**

[GET Command]

@HDRADIO:ARTIST=?

Retrieving Artist Name.

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as *PRGTYPE*

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- **ALBUM**

[GET Command]

@HDRADIO:ALBUM=?

Retrieving Artist title.

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as *PRGTYPE*

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Sub Unit : SIRIUS

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date: \$

\$Revision: \$

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Command Details of SubUnit: SIRIUS

- AVAIL

[GET Command]

@SIRIUS:AVAIL=?

Retrieving the connection state of SiriusConnect tuner (adapter) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the adapter is not connected.

Not Ready

GET Only: indicating invalid state of operation

All feedback are invalid (its validity is not guaranteed) even though there are when "Not Ready" status.

Ready

GET Only: indicating valid state of operation

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- **SEARCHMODE**

[PUT Command]

@SIRIUS:SEARCHMODE=Parameter

[GET Command]

@SIRIUS:SEARCHMODE=?

Operating & retrieving Search Mode state.

Initial Auto Feedback is Available

[Parameters]

All Ch

PUT: selecting All Ch search mode / GET: indicating current search mode is All Ch

Category

PUT: selecting Category search mode / GET: indicating current search mode is Category

Preset

PUT: selecting Preset search mode / GET: indicating current search mode is Preset

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- **PRESET**

[PUT Command]

@SIRIUS:PRESET=Parameter

[GET Command]

@SIRIUS:PRESET=?

Operating & retrieving Preset state.

Initial Auto Feedback is Available

[Parameters]

No Preset

GET Only: indicating there is no preset registered yet.

Numerical Number: 1 to 40, Step: 1

PUT: recalling specified number of preset bank. / GET: indicating the preset number currently selected.

If no station is yet registered in the recalled number, nothing happens.

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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- **MEM**

[PUT Command]

@SIRIUS:MEM=*Parameter*

Registering current channel to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Empty (not registered) preset banks are used first.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• CATSEL

[PUT Command]

@SIRIUS:CATSEL=*Parameter*

Operating Category selection.

[Parameters]

Down

PUT Only: selecting in the reverse order

Up

PUT Only: selecting in order

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• CHSEL

[PUT Command]

@SIRIUS:CHSEL=*Parameter*

[GET Command]

@SIRIUS:CHSEL=?

Operating & retrieving Channel Number selection

[Parameters]

Numerical Number: 0 to 223, Step: 1

PUT: changing to the specified number. / GET: indicating current selection

255

PUT: doing nothing / GET: indicating "not connected to the adapter" or "no station is received"

Down

PUT Only: selecting the nearest available number to the current one in the way of larger number to smaller.

Up

PUT Only: selecting the nearest available number to the current one in the way of smaller number to larger.

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• SIGINFO

[GET Command]

@SIRIUS:SIGINFO=?

GET Only. Signal status can be retrieved at a time.

Updated by following command: "@SIRIUS:ANTLVL" only

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- **ANTLVL**

[GET Command]

@SIRIUS:ANTLVL=?

Retrieving the signal strength state at the antenna.

Initial Auto Feedback is Available

[Parameters]

No Signal

GET Only: indicating its status is No Signal

Weak

GET Only: indicating its status is Weak

Good

GET Only: indicating its status is Good

Excellent

GET Only: indicating its status is Excellent

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- **METAINFO**

[GET Command]

@SIRIUS:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@SIRIUS:CATNAME", "@SIRIUS:CHNUM", "@SIRIUS:CHNAME", "@SIRIUS:ARTIST", "@SIRIUS:SONG" and "@SIRIUS:COMPOSER"

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- **CATNAME**

[GET Command]

@SIRIUS:CATNAME=?

Retrieving Category Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Latin-1, Variable Length (0 to 16 characters)

GET Only

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- **CHNUM**

[GET Command]

@SIRIUS:CHNUM=?

Retrieving Channel Number

Initial Auto Feedback is Available

[Parameters]

Numerical Number: 0 to 255, Step: 1

GET Only

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• CHNAME

[GET Command]

@SIRIUS:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ARTIST

[GET Command]

@SIRIUS:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• SONG

[GET Command]

@SIRIUS:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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• COMPOSER

[GET Command]

@SIRIUS:COMPOSER=?

Retrieving Composer Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **PLOCK**

[GET Command]

@SIRIUS:PLOCK=?

Retrieving the state of Parental Lock

Initial Auto Feedback is Available

[Parameters]

Locked

GET Only: indicating its status is Locked

Unlocked

GET Only: indicating its status is Unlocked

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Sub Unit : IPOD

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date: \$

\$Revision: \$

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4. Others

AVAIL

REPEAT

SHUFFLE

ARTIST

Command Details of SubUnit: IPOD

- **AVAIL**

[GET Command]

@IPOD:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPOD:MODE=*Parameter*

[GET Command]

@IPOD:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPOD:REPEAT=*Parameter*

[GET Command]

@IPOD:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPOD:SHUFFLE=Parameter

[GET Command]

@IPOD:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

[Back To Index](#)

• PLAYBACK

[PUT Command]

@IPOD:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPOD:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPOD:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPOD:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPOD:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPOD:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPOD:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPOD:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPOD:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPOD:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

- Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPOD:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPOD:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPOD:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPOD:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPOD:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPOD:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPOD:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPOD:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPOD:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@IPOD:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@IPOD:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPOD:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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Sub Unit : BT

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

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Command Details of SubUnit: BT

- **AVAIL**

[GET Command]

@BT:AVAIL=?

Retrieving the connection state of Bluetooth (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PAIRING**

[PUT Command]

@BT:PAIRING=Parameter

Operating the setting state of Pariring

[Parameters]

Start

PUT Only: changing its state to Start

Cancel

PUT Only: changing its state to Cancel

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- **CONNECT**

- [PUT Command]**

- @BT:CONNECT=Parameter*

- Operating the connection state

- [Parameters]**

- Disconnect*

- PUT Only: changing its state to Disconnect

- Connect*

- PUT Only: changing its state to Connect

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- **CONNECTINFO**

- [GET Command]**

- @BT:CONNECTINFO=?*

- [Parameters]**

- Disconnected*

- Connected*

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- **PLAYBACK**

- [PUT Command]**

- @BT:PLAYBACK=Parameter*

- Operating the playback state

- [Parameters]**

- Stop*

- PUT Only: change its state to Stop

- Pause*

- PUT Only: change its state to Pause

- Play*

- PUT Only: change its state to Play

- |<<*

- PUT Only: change its state to |<<

meaning Skip Rev

- >>|*

- PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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Sub Unit : UAW

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

Command Index

1. Others

[AVAIL](#)

Command Details of SubUnit: UAW

- **AVAIL**

[GET Command]

@UAW:AVAIL=?

Retrieving the connection state of UAW (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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Sub Unit : RHAP

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: RHAP

- **AVAIL**

[GET Command]

@RHAP:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@RHAP:REPEAT=Parameter

[GET Command]

@RHAP:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@RHAP:SHUFFLE=Parameter

[GET Command]

@RHAP:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@RHAP:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@RHAP:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@RHAP:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@RHAP:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@RHAP:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@RHAP:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@RHAP:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@RHAP:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@RHAP:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @RHAP:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @RHAP:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @RHAP:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@RHAP:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@RHAP:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@RHAP:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@RHAP:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

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- **LINE2TXT**

[GET Command]

@RHAP:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@RHAP:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@RHAP:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@RHAP:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@RHAP:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@RHAP:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@RHAP:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@RHAP:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@RHAP:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@RHAP:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@RHAP:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@RHAP:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@RHAP:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@RHAP:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : SIRIUSIR

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date: \$

\$Revision: \$

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CURRLINE

MAXLINE

4. Others

AVAIL

CHNAME

ARTIST

Command Details of SubUnit: SIRIUSIR

- **AVAIL**

[GET Command]

@SIRIUSIR:AVAIL=?

Retrieving the state of network link or the validity of SIRIUS Internet Radio operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@SIRIUSIR:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@SIRIUSIR:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@SIRIUSIR:PLAYBACK=*Parameter*

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• PLAYBACKINFO

[GET Command]

@SIRIUSIR:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• METAINFO

[GET Command]

@SIRIUSIR:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:CHNAME", "@XXXX:ARTIST" and "@XXXX:SONG" (XXXX = SubUnit name)

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• CHNAME

[GET Command]

@SIRIUSIR:CHNAME=?

Retrieving Channel Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ARTIST**

[GET Command]

@SIRIUSIR:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **SONG**

[GET Command]

@SIRIUSIR:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [CHNAME](#)

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- **LISTSEL**

[PUT Command]

@SIRIUSIR:LISTSEL=*Parameter*

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @SIRIUSIR:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @SIRIUSIR:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @SIRIUSIR:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @SIRIUSIR:LISTLAYER=?*

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• **LISTLAYERNAME**

[GET Command]

@SIRIUSIR:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@SIRIUSIR:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@SIRIUSIR:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@SIRIUSIR:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATTRIB**

[GET Command]

@SIRIUSIR:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE3TXT**

[GET Command]

@SIRIUSIR:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATTRIB**

[GET Command]

@SIRIUSIR:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE4TXT**

[GET Command]

@SIRIUSIR:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATTRIB**

[GET Command]

@SIRIUSIR:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE5TXT**

[GET Command]

@SIRIUSIR:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@SIRIUSIR:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@SIRIUSIR:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@SIRIUSIR:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@SIRIUSIR:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@SIRIUSIR:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@SIRIUSIR:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@SIRIUSIR:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@SIRIUSIR:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@SIRIUSIR:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PANDORA

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

BOOKMARK

FEEDBACK

Command Details of SubUnit: PANDORA

- **AVAIL**

[GET Command]

@PANDORA:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@PANDORA:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@PANDORA:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@PANDORA:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Fwd

PUT Only: change its state to Skip Fwd

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- **BOOKMARK**

[PUT Command]

@PANDORA:BOOKMARK=Parameter

[Parameters]

Song

Artist

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- **FEEDBACK**

[PUT Command]

@PANDORA:FEEDBACK=Parameter

[GET Command]

@PANDORA:FEEDBACK=?

Operating & retrieving thumbs up/down state

[Parameters]

GET Only

Thumb Down

PUT: change its state to Thumb Down / GET: indicating its state is Thumb Down

Thumb Up

PUT: change its state to Thumb Up / GET: indicating its state is Thumb Up

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- **PLAYBACKINFO**

- [GET Command]**

- @PANDORA:PLAYBACKINFO=?

- Retrieving the playback state

- Initial Auto Feedback is Available

- [Parameters]**

- Stop*

- GET Only: indicating its state is Stop

- Pause*

- GET Only: indicating its state is Pause

- Play*

- GET Only: indicating its state is Play

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- **METAINFO**

- [GET Command]**

- @PANDORA:METAINFO=?

- GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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- **SONG**

- [GET Command]**

- @PANDORA:SONG=?

- Retrieving Artist Name

- Initial Auto Feedback is Available

- [Parameters]**

- Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)*

- GET Only

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- **ALBUM**

- [GET Command]**

- @PANDORA:ALBUM=?

- Retrieving Album Title

- Initial Auto Feedback is Available

- [Parameters]**

- Parameters are the same as [SONG](#)*

- **STATION**

[GET Command]

@PANDORA:STATION=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [SONG](#)

- **LISTSEL**

[PUT Command]

@PANDORA:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

- **LISTCURSOR**

[PUT Command]

@PANDORA:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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- **LISTPAGE**

- [PUT Command]**

- @PANDORA:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PANDORA:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

- [GET Command]**

- @PANDORA:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

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- **LISTLAYERNAME**

- [GET Command]**

@PANDORA:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@PANDORA:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@PANDORA:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@PANDORA:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATRIB**

[GET Command]

@PANDORA:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE3ATRIB**

[GET Command]

@PANDORA:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE4ATRIB**

[GET Command]

@PANDORA:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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• **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATRIB**

[GET Command]

@PANDORA:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@PANDORA:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@PANDORA:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@PANDORA:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@PANDORA:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@PANDORA:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@PANDORA:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@PANDORA:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PANDORA:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NAPSTER

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date: \$

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LINE6ATTRIB

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LINE7ATTRIB

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LINE8ATTRIB

CURRLINE

MAXLINE

4. Others

AVAIL

REPEAT

SHUFFLE

Command Details of SubUnit: NAPSTER

- **AVAIL**

[GET Command]

@NAPSTER:AVAIL=?

Retrieving the state of network link or the validity of Rhapsody operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@NAPSTER:REPEAT=Parameter

[GET Command]

@NAPSTER:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@NAPSTER:SHUFFLE=Parameter

[GET Command]

@NAPSTER:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@NAPSTER:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@NAPSTER:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@NAPSTER:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

/<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@NAPSTER:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NAPSTER:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@NAPSTER:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

- **ALBUM**

[GET Command]

@NAPSTER:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

- **LISTSEL**

[PUT Command]

@NAPSTER:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

- **LISTCURSOR**

[PUT Command]

@NAPSTER:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

- **LISTPAGE**

[PUT Command]

@NAPSTER:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

- **LISTINFO**

[GET Command]

@NAPSTER:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@NAPSTER:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NAPSTER:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@NAPSTER:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@NAPSTER:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

Keyword

- **LINE2TXT**

[GET Command]

@NAPSTER:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@NAPSTER:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NAPSTER:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NAPSTER:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE8TXT**

[GET Command]

@NAPSTER:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATTRIB**

[GET Command]

@NAPSTER:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **CURRLINE**

[GET Command]

@NAPSTER:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NAPSTER:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : PC

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date: \$

\$Revision: \$

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MAXLINE

4. Others

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REPEAT

SHUFFLE

Command Details of SubUnit: PC

- **AVAIL**

[GET Command]

@PC:AVAIL=?

Retrieving the state of network link or the validity of PC operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@PC:REPEAT=Parameter

[GET Command]

@PC:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@PC:SHUFFLE=Parameter

[GET Command]

@PC:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@PC:PRESET=*Parameter*

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@PC:MEM=*Parameter*

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@PC:PLAYBACK=*Parameter*

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>|

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@PC:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@PC:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@PC:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• ALBUM

[GET Command]

@PC:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• SONG

[GET Command]

@PC:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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• LISTSEL

[PUT Command]

@PC:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 8

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @PC:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @PC:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @PC:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

- **LISTLAYER**

[GET Command]

@PC:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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- **LISTLAYERNAME**

[GET Command]

@PC:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@PC:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@PC:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@PC:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@PC:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@PC:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@PC:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@PC:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@PC:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

- **LINE5TXT**

[GET Command]

@PC:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@PC:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

[GET Command]

@PC:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATRIB**

[GET Command]

@PC:LINE6ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE7TXT**

[GET Command]

@PC:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATRIB**

[GET Command]

@PC:LINE7ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE8TXT**

[GET Command]

@PC:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@PC:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@PC:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@PC:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : NETRADIO

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date:: \$

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CURRLINE

MAXLINE

4. Others

AVAIL

STATION

BOOKMARK

Command Details of SubUnit: NETRADIO

- **AVAIL**

[GET Command]

@NETRADIO:AVAIL=?

Retrieving the state of network link or the validity of NET RADIO operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the network link is down.

This status can be reported only via RS-232C connection since the network cable connection is not physically detected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **PRESET**

[PUT Command]

@NETRADIO:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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- **MEM**

[PUT Command]

@NETRADIO:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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- **PLAYBACK**

[PUT Command]

@NETRADIO:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

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• **PLAYBACKINFO**

[GET Command]

@NETRADIO:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@NETRADIO:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:STATION" Only (XXXX = SubUnit name)

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• **STATION**

[GET Command]

@NETRADIO:STATION=?

Retrieving Station Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LISTSEL**

[PUT Command]

@NETRADIO:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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• **LISTCURSOR**

[PUT Command]

@NETRADIO:LISTCURSOR=Parameter

Operating the cursor of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

Sel

PUT Only: selecting the line that the cursor is on

Back

PUT Only: going back to the previous layer of contents list

Back to Home

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• **LISTPAGE**

[PUT Command]

@NETRADIO:LISTPAGE=Parameter

Operating the page control of contents list

[Parameters]

Down

PUT Only: moving it Down

Up

PUT Only: moving it Up

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• BOOKMARK

[PUT Command]

@NETRADIO:BOOKMARK=Parameter

Operating the Bookmark

[Parameters]

Off

PUT Only: Bookmark Off the current playback station

On

PUT Only: Bookmark On the current playback station

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• LISTINFO

[GET Command]

@NETRADIO:LISTINFO=?

GET Only. Contents list Info can be retrieved at a time.

Initial Auto Feedback is Available

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1TXT**

[GET Command]

@NETRADIO:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• **LINE1ATRIB**

[GET Command]

@NETRADIO:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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• **LINE2TXT**

[GET Command]

@NETRADIO:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE2ATRIB**

[GET Command]

@NETRADIO:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@NETRADIO:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@NETRADIO:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@NETRADIO:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@NETRADIO:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@NETRADIO:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@NETRADIO:LINE5ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE6TXT**

- [GET Command]**

- @NETRADIO:LINE6TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE6ATRIB**

- [GET Command]**

- @NETRADIO:LINE6ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE7TXT**

- [GET Command]**

- @NETRADIO:LINE7TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE7ATRIB**

- [GET Command]**

- @NETRADIO:LINE7ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **LINE8TXT**

- [GET Command]**

- @NETRADIO:LINE8TXT=?*

- [Parameters]**

- Parameters are the same as [LINE1TXT](#)*

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- **LINE8ATRIB**

- [GET Command]**

- @NETRADIO:LINE8ATRIB=?*

- [Parameters]**

- Parameters are the same as [LINE1ATRIB](#)*

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- **CURRLINE**

- [GET Command]**

@NETRADIO:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@NETRADIO:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : USB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date: \$

\$Revision: \$

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LINE8TXT

LINE8ATTRIB

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4. Others

AVAIL

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SHUFFLE

Command Details of SubUnit: USB

- **AVAIL**

[GET Command]

@USB:AVAIL=?

Retrieving the connection state of USB (device) or the validity of USB operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **REPEAT**

[PUT Command]

@USB:REPEAT=Parameter

[GET Command]

@USB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Single

PUT: setting to Single / GET: indicating its state is Single

All

PUT: setting to All / GET: indicating its state is All

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- **SHUFFLE**

[PUT Command]

@USB:SHUFFLE=Parameter

[GET Command]

@USB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

On

PUT: setting to On / GET: indicating its state is On

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• PRESET

[PUT Command]

@USB:PRESET=Parameter

Operating Preset Bank (for USB/NET) state.

[Parameters]

Numerical Number: 1 to 40, Step: 1

PUT Only: recalling specified number of preset bank.

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• MEM

[PUT Command]

@USB:MEM=Parameter

Registering current playback song or station to a preset bank

[Parameters]

Auto

PUT Only: registering to a preset bank with automatically specifying the number.

Numerical Number: 1 to 40, Step: 1

PUT Only: registering to a preset bank of the number specified.

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• PLAYBACK

[PUT Command]

@USB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<

meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@USB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@USB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@USB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **ALBUM**

[GET Command]

@USB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@USB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@USB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @USB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @USB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @USB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available*

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- **LISTLAYER**

- [GET Command]**

- @USB:LISTLAYER=?*

- Retrieving the current depth of layers.

- [Parameters]**

- Numerical Number: 1 to 16, Step: 1*

- GET Only

- **LISTLAYERNAME**

[GET Command]

@USB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1TXT**

[GET Command]

@USB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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- **LINE1ATRIB**

[GET Command]

@USB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

Item

GET Only: indicating this line is Item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@USB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE2ATRIB**

[GET Command]

@USB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@USB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@USB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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• **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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• **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

[Back To Index](#)

• **CURRLINE**

[GET Command]

@USB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65000, Step: 1

GET Only

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• **MAXLINE**

[GET Command]

@USB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65000, Step: 1

GET Only

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Sub Unit : IPODUSB

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A3010

Product Region: USA

\$Date: \$

\$Revision: \$

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4. Others

AVAIL

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SHUFFLE

ARTIST

Command Details of SubUnit: IPODUSB

- **AVAIL**

[GET Command]

@IPODUSB:AVAIL=?

Retrieving the connection state of iPod (device) or the validity of its operational status

Initial Auto Feedback is Available

[Parameters]

Not Connected

GET Only: indicating the device is not connected.

Not Ready

GET Only: indicating invalid state of operation

Ready

GET Only: indicating valid state of operation

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- **MODE**

[PUT Command]

@IPODUSB:MODE=Parameter

[GET Command]

@IPODUSB:MODE=?

Operating & retrieving the iPod control mode setting state

Initial Auto Feedback is Available

[Parameters]

Normal

PUT: setting to Normal mode / GET: indicating current mode is Normal

Normal mode is an operation by the UI on the iPod

Extended

PUT: setting to Extended mode / GET: indicating current mode is Extended

Extended mode is an operation by the UI on the receiver (through its on-screen display)

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- **REPEAT**

[PUT Command]

@IPODUSB:REPEAT=Parameter

[GET Command]

@IPODUSB:REPEAT=?

Operating & retrieving the repeat setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

One

PUT: setting to One / GET: indicating its state is One

All

PUT: setting to All / GET: indicating its state is All

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• SHUFFLE

[PUT Command]

@IPODUSB:SHUFFLE=Parameter

[GET Command]

@IPODUSB:SHUFFLE=?

Operating & retrieving the shuffle setting state

Initial Auto Feedback is Available

[Parameters]

Off

PUT: setting to Off / GET: indicating its state is Off

Songs

PUT: setting to Songs / GET: indicating its state is Songs

Albums

PUT: setting to Albums / GET: indicating its state is Albums

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• PLAYBACK

[PUT Command]

@IPODUSB:PLAYBACK=Parameter

Operating the playback state

[Parameters]

Stop

PUT Only: change its state to Stop

Pause

PUT Only: change its state to Pause

Play

PUT Only: change its state to Play

|<<

PUT Only: change its state to |<<



meaning Skip Rev

>>/

PUT Only: change its state to >>|

meaning Skip Fwd

Skip Rev

PUT Only: change its state to Skip Rev

Skip Fwd

PUT Only: change its state to Skip Fwd

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• **PLAYBACKINFO**

[GET Command]

@IPODUSB:PLAYBACKINFO=?

Retrieving the playback state

Initial Auto Feedback is Available

[Parameters]

Stop

GET Only: indicating its state is Stop

Pause

GET Only: indicating its state is Pause

Play

GET Only: indicating its state is Play

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• **METAINFO**

[GET Command]

@IPODUSB:METAINFO=?

GET Only. Meta Info can be retrieved at a time.

Updated by following commands: "@XXXX:ARTIST", "@XXXX:ALBUM" and "@XXXX:SONG" (XXXX = SubUnit name)

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• **ARTIST**

[GET Command]

@IPODUSB:ARTIST=?

Retrieving Artist Name

Initial Auto Feedback is Available

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64

bytes)

GET Only

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- **ALBUM**

[GET Command]

@IPODUSB:ALBUM=?

Retrieving Album Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **SONG**

[GET Command]

@IPODUSB:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as [ARTIST](#)

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- **LISTSEL**

[PUT Command]

@IPODUSB:LISTSEL=Parameter

Selecting the current row of contents list

[Parameters]

Line_1

PUT Only: selecting Line 1

Line_2

PUT Only: selecting Line 2

Line_3

PUT Only: selecting Line 3

Line_4

PUT Only: selecting Line 4

Line_5

PUT Only: selecting Line 5

Line_6

PUT Only: selecting Line 6

Line_7

PUT Only: selecting Line 7

Line_8

PUT Only: selecting Line 8

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- **LISTCURSOR**

- [PUT Command]**

- @IPODUSB:LISTCURSOR=Parameter*

- Operating the cursor of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

- Sel*

- PUT Only: selecting the line that the cursor is on

- Back*

- PUT Only: going back to the previous layer of contents list

- Back to Home*

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- **LISTPAGE**

- [PUT Command]**

- @IPODUSB:LISTPAGE=Parameter*

- Operating the page control of contents list

- [Parameters]**

- Down*

- PUT Only: moving it Down

- Up*

- PUT Only: moving it Up

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- **LISTINFO**

- [GET Command]**

- @IPODUSB:LISTINFO=?*

- GET Only. Contents list Info can be retrieved at a time.

- Initial Auto Feedback is Available**

Updated by following commands: "@XXXX:LISTLAYER", "@XXXX:LISTLAYERNAME", "@XXXX:LINE1TXT" to "@XXXX:LINE8TXT", "@XXXX:LINE1ATTRIB" to "@XXXX:LINE8ATTRIB", "@XXXX:CURRLINE" and "@XXXX:MAXLINE" (XXXX = SubUnit name)

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- **LISTLAYER**

[GET Command]

@IPODUSB:LISTLAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@IPODUSB:LISTLAYERNAME=?

Retrieving the current layer name.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1TXT

[GET Command]

@IPODUSB:LINE1TXT=?

Retrieving text info of the line 1 of contents list currently displayed.

[Parameters]

Character Code: Mixed (could be ASCII, Latin-1 or UTF-8 encoding), Variable Byte Length (0 to 64 bytes)

GET Only

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• LINE1ATRIB

[GET Command]

@IPODUSB:LINE1ATRIB=?

Retrieving the attributes of the line number 1.

[Parameters]

Container

GET Only: indicating this line is Container

meaning a folder

Item

GET Only: indicating this line is Item

meaning a playable item

Unplayable Item

GET Only: indicating this line is Unplayable Item

Unselectable

GET Only: indicating this line is Unselectable

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- **LINE2TXT**

[GET Command]

@IPODUSB:LINE2TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE2ATRIB**

[GET Command]

@IPODUSB:LINE2ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATRIB**

[GET Command]

@IPODUSB:LINE3ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATRIB**

[GET Command]

@IPODUSB:LINE4ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE5TXT**

[GET Command]

@IPODUSB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE5ATTRIB**

[GET Command]

@IPODUSB:LINE5ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE6TXT**

[GET Command]

@IPODUSB:LINE6TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE6ATTRIB**

[GET Command]

@IPODUSB:LINE6ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE7TXT**

[GET Command]

@IPODUSB:LINE7TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE7ATTRIB**

[GET Command]

@IPODUSB:LINE7ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE8TXT**

[GET Command]

@IPODUSB:LINE8TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE8ATRIB**

[GET Command]

@IPODUSB:LINE8ATRIB=?

[Parameters]

Parameters are the same as [LINE1ATRIB](#)

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- **CURRLINE**

[GET Command]

@IPODUSB:CURRLINE=?

Retrieving absolute position number of current cursor position in the contents list layer currently displayed

[Parameters]

Numerical Number: 1 to 65536, Step: 1

GET Only

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- **MAXLINE**

[GET Command]

@IPODUSB:MAXLINE=?

Retrieving maximum lines in the contents list layer currently displayed

[Parameters]

Numerical Number: 0 to 65536, Step: 1

GET Only

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235C7E-E07E-E17E-E57E-E67E-AF7E-E87E-E97E-EB7E-EC7E-CD7E-ED7E-EE7E-F87E-F37E-F57E-F27E-CE7E-FE7E-F97E-FA7E-FB7E-FC7E-F77E-C07E-FF7E-FD7E-D87E-D97A-737A-777E-433C7A-747A-787E-443B7A-757A-797E-453A7A-767A-7A7E-46397E-D47E-D67E-47387E-D57E-D77E-48377E-C77E-6A7E-C97E-7C7E-DD7E-DE7E-B87E-B97E-83FC7E-84FB7E-740B7E-750A7E-76097E-77087E-3F407E-403F7E-413E7E-423D7A-90EF7A-91EE7A-92ED7A-93EC7A-94EB7A-95EA7A-96E97A-97E87E-6B7E-007F7E-6C7E-017E7E-6D7E-027D7E-6E7E-8A7E-037C7E-6F7E-8B7E-047B7E-8C7E-057A7E-8D7E-06797E-8E7E-07787E-8F7E-08777E-09767E-0A757E-7A7E-0B747E-A4DB7E-A5DA7E-A6D97E-A7D87E-A8D77E-A9D67E-354A7E-36497E-877E-207E-887E-217E-897E-227E-237E-247E-707E-257E-757E-607E-767E-617E-777E-627E-787E-907E-637E-797E-917E-647E-927E-657F01-FD7F01-FE7A-AB7E-BC7E-BD7E-BE7E-BF7A-107A-117F01-DE7F01-E17F01-E57F01-E47F01-E27A-AB557E-BC427E-BD437E-BE407E-BF417A-10EE7A-11EF7A-90EE7A-91EF7A-92EC7A-93ED7A-94EA7A-95EB7A-96E87A-97E97E-6B957E-87797E-20DE7E-007E7E-6C927E-88767E-21DF7E-017F7E-6D937E-89777E-22DC7E-027C7E-6E907E-8A747E-23DD7E-037D7E-6F917E-8B757E-24DA7E-047A7E-708E7E-8C727E-25DB7E-057B7E-758B7E-8D737E-609E7E-06787E-76887E-8E707E-619F7E-07797E-77897E-8F717E-629C7E-08767E-78867E-906E7E-639D7E-09777E-79877E-916F7E-649A7E-0A747E-7A847E-926C7E-659B7E-0B757E-A4DA7E-A5DB7E-A6D87E-A7D97E-A8D67E-A9D77E-354B7E-36487E-3F417E-403E7E-413F7E-423C7E-936D7E-946A7E-956B7E-740A7E-750B7E-76087E-77097E-83FD7E-84FA7E-B9477E-7C827E-DD237E-DE207E-B8467E-67997E-68967E-C7397E-69977E-6A947E-C9377A-738D7A-77897E-433D7A-748A7A-78867E-443A7A-758B7A-79877E-453B7A-76887A-7A847E-46387E-D42A7E-D6287E-47397E-D52B7E-D7297E-48367E-225C7E-235D7E-807E7E-827C7E-E01E7E-27D97E-E11F7E-E51B7E-E6187E-AF517E-E8167E-E9177E-EB157E-EC127E-CD337E-ED137E-EE107E-F8067E-F30D7E-F50B7E-F20C7E-CE307E-FE007E-F9077E-FA047E-FB057E-FC027E-F7097E-C03E7E-FF017E-FD037E-D8267E-D9277E-A25C7E-A05E7E-26D87E-0C727E-27597E-631D7E-641A7E-651B7E-66187E-67197E-DF217E-29577E-2A547E-2B557E-2C527E-A35D7E-A15F7E-66987E-0D737E-28567E-82FC7E-205E7E-215F7E-AAD47E-7E807E-BA447A-ED137A-7B857A-1DE37E-7F817E-BB457A-EE107A-7C827A-1EE07A-57A97E-16687E-17697E-18667E-19677E-1A647E-1B657E-1C627E-1D637E-1E607E-B34D7E-B44A7E-B54B7E-B6487E-B7497E-A6587E-DA247E-A9577E-AA54INFO 5&@STOP 5PAUSE 5PLAY 5ä0SKIP+ 5SEARCH 5SEARCH+ 5ZONE2 5¼0PRESET 5´0PRESET+ 5@MAIN 5@ZONE2 50ZONE3 50MAIN 50FM 5´0AM 5´0TUNING+ 5MEMORY 5+10 5< MUSIC 5UP5DOWN5UP 5ZONE2 5ZONE3 5MAIN 5DOWN 5ALL 5PHONO5TUNER5VOLUME 5UP 5DOWN 5MUTE5 ENTERTAIN 5STEREO 5POWER5SLEEP5USB5MAIN 5»0DOCK5ZONE4 5PROGRAM 5OPTION 5MAIN 5,0or 5SIRIUS5SCENE 5DTV 5CD 5RADIO 5MAIN 5CURSOR 5LEFT 5RIGHT 5ENTER 5RETURN 5±0 CLASSICAL 5PARTY 5ZONE2 5ôZONE3 5ôor 5 CATEGORY+ 5CH+ 5MAIN 5´0ZONE4 5¨ZONE4 5ZONE3 5ÿZONE4 5ÿZONE2 5ZONE3 5ZONE4 5´0ZONE4 5DZONE 5ALL 5´0OFF 5´0MAIN 5´0ON 5´0ON 5ê0MAIN 5ê0OFF 5ê0MAIN 5Ò0SUB 5´0MAIN 5(OFF 5(DECODE 5(Prologic 5(EXTED 5(AUTO 5(SURROUND 5(POWER 5 STANDBY 5OFF 5SLEEP 5ON 5DISPLAY 5ON 5AUTO 5 Adventure 5Drama 5ZONE4 5MAIN 5´0ZONE4 5ALL 5MODE 5»0PRESET 5»0ALL 5»0CATEGORY 5UP 5Ä0MANUAL 5BAND5Ë0FM 5Ë0AM 5PRESET 5PAIRING 5CONNECT 5 DISCONNECT 5ON 5»0ENHANCER 5SCENE 5LEVEL 5HOLD 5TAG 5STRAIGHT 5DISPLAY5Ò0ZONE2 5Ò0ZONE3 5Ò0ZONE4 5Ò0ENT 5SETUP 5ON 5´0ZONE2 5´0ZONE3 5´0ALL 5´0OFF 5´0ZONE3 5120min 590min 560min 530min 5AUTO 5´0HDMI 5´0ANALOG 5 ´0Rhapsody 5´0Radio 5ZONE2 5PROGRAM 5Chamber 5´0Sports 5´0Standard 5´0 Spectacle 5´0MAIN 50TONE 5´0CONTROL 5´0BALANCE 5LEFT 5´0RIGHT 5PARTY 5´0ENHANCER 5MODE 5NET5AUDIO5HDMI- 1HDMI- 2HDMI- 3HDMI- 4HDMI- 5HDMI- 6HDMI- 7AV- 1AV- 2AV- 3AV- 4AV- 5AV- 6AV- 7AUDIO- 1AUDIO- 2AUDIO- 3AUDIO- 4MULTI CH INHDMI OUTPURE DIRECT or DIRECTSUR. DECODE ON SCREENTOP MENUPOP-UP MENUSKIP/PRG SELECTPRG SELECT-PRG SELECT+ON/OFFNET/USB LIVE/CLUBBD/DVD CATEGORY/BAND TUNING/CHV-AUXSEARCH-SKIP-PRESET- CATEGORY-TUNING-CH- TOGGLEYESYES*UNOZone 5POWER 5INPUT 5MAIN 5´0TOGGLE 5YES*ExceptUC 5NO 5YES 5 YES*No key 5T YES*No key 5 YES*No key 5< YES*No key 5 YES*No key 5

YES*No key 5S
YES*No key 5
YES*No key 58YES 5(NO 5 YES 54OUTPUT 5MOVIE 5MOVIE 5MEMORY 5VOLUME 5DISPLAY
5 OPERATION 5PROGRAM 5ZONE CONTROL 5MENU 5NUMBER/CHARACTER 5INPUT
5OUTPUT 5MENU 5MENU 5MEMORY 5MENU 5INPUT 5 OPERATION 5 OPERATION
5MENU 5YES*J AUDIO SEL SUB INPUT NET RADIOSIRIUS Internet1 or ON1 and 2
SMART ZOOM
OFF (THROUGH)PURE DIRECT or DIRECTHall in MunichHall in ViennaHall in AmsterdamChurch in
FreiburgChurch in RoyaumontVillage VanguardThe Bottom LineCellar ClubThe Roxy TheatreWarehouse LoftMusic
VideoAction GameRoleplaying Game
Mono Movie
2ch Stereo
Xch StereoBASS +TREBLE +NEO:6 CINEMANE0:6 MUSICPLIIXy MOVIEPLIIXy MUSICHDMI Auto Lipsync
TRIGGER 1 TRIGGER 2 DUAL MONOADAPTIVE DRCADAPTIVE DSP
VOLUME MEMORY
VOLUME RECALLVIDEO PRESETZONE CONTROL SRCH MODEAUTO TUNING
PRESET No.PRESET Group
SIMPLE REMOTEMENU BROWSE
BLUE TOOTHPAIRING CANCEL BOOK MARK(FULL)PLII(IIx) MOVIEPLII(IIx) MUSICPLII(IIx) GAME
ON(EX/ES)OFF(MANUAL)COAX/OPTPC/MCX
Recital/OperaTUNING/CH/TOGGLE 5EPandora 5MAIN 5Napster 5HIGH 5LOW 5YES*J 5SUR.(-
40dB)(-20dB)Sci-FiBASS -TREBLE -VOLUME 5MUTE 5 Code(ID2) 5
FullCode(ID1)
FullCode(ID2) 7E81-2AD5 7A85-453A 7A85-4639 7A85-6F10 7A85-30CF 7A85-31CE
7A85-32CD 7A85-33CC 7A85-4738 7A85-4837 7A85-4936 7A85-4A35 7A85-4B34
7A85-4C33 7A85-4D32 7A85-4E31 7A85-4F30 7A85-502F 7A85-512E 7A85-522D 7A85-
700F 7A85-710E 7A85-720D 7A85-730C 7A85-740B 7A85-750A 7A85-98E7 7A85-99E6
7A85-9AE5 7A85-532C 7A85-542B 7A85-552A 7A85-84FB 7A85-5629 7A85-5728
7A85-5827 7A85-85FA 7A85-5926 7A85-5A25 7A85-5B24 7A85-86F9 7A85-5C23 7A85-
5D22 7A85-5E21 7A85-87F8 7A85-5F20 7A85-601F 7A85-611E 7A85-88F7 7A85-621D
7A85-631C 7A85-641B 7A85-89F6 7A85-7609 7A85-7708 7A85-7807 7A85-8AF5 7A85-
9BE4 7A85-9CE3 7A85-9DE2 7A85-9EE1 7A85-651A 7A85-6619 7A85-6718 7A85-
8CF3 7A85-6817 7A85-6916 7A85-6A15 7A85-8DF2 7A85-7C03 7A85-7D02 7A85-7E01
7A85-8EF1 7A85-7F00 7A85-80FF 7A85-81FE 7A85-8FF0 7A85-55AA 7A85-D827
7A85-F00F 7A85-7D82 7A85-14EB 7A85-D02F 7A85-F10E 7A85-7E81 7F01-720D
7F01-730C 7F01-740B 7F01-7A05 7F01-3FC0 7F01-40BF 7F01-41BE 7F01-49B6 7F01-
4AB5 7F01-4BB4 7F01-4CB3 7F01-4DB2 7A85-16E9 7A85-D22D< 7A85-F30C 7A85-
20DF 7A85-39C6 7A85-3AC5 7A85-3BC4 7A85-3CC3 7A85-8778 7A85-1F60 7A85-
205F 7A85-215E 7A85-225D 7A85-235C 7A85-245B 7A85-255A 7A85-2659 7A85-A8D7
7A85-A9D6 7A85-AAD5 7A85-ABD4 7A85-35CA 7A85-8877 7A85-8976 7A85-946B
7A85-56A9 7A85-DD22 7A85-8D72 7A85-8A75 7A85-8B74 7A85-8C73 7A85-8E71
7A85-8F70 7A85-58A7 7A85-59A6 7A85-007F 7A85-017E 7A85-027D 7A85-1867 7A85-
037C 7A85-047B 7A85-057A 7A85-1966 7A85-0679 7A85-0778 7A85-0877 7A85-1A65
7A85-0976 7A85-0A75 7A85-0B74 7A85-1B64 7F01-6718 7F01-6817 7F01-6916 7F01-
80FF 7A85-847B 7A85-3B44 7A85-443B 7A85-413E 7A85-6B14 7A85-6C13 7A85-6D12
7A85-6E11 7A85-A0DF 7A85-A1DE 7A85-A2DD 7A85-A3DC 7A85-A4DB 7A85-A5DA
7A85-A6D9 7A85-A7D8 7A85-9D62 7A85-2B54 7A85-304F 7A85-354A 7A85-9C63
7A85-2C53 7A85-314E 7A85-3649 7A85-9F60 7A85-2D52 7A85-324D 7A85-3748 7A85-
9E61 7A85-2E51 7A85-334C 7A85-3847 7A85-DE21 7A85-2F50 7A85-344B 7A85-3946
7A85-AA55 7A85-3C43 7A85-3F40 7A85-423D 7A85-8679 7A85-1AE5 7A85-DA25
7A85-FD02 7A85-2BD4 7A85-1BE4 7A85-DB24 7A85-FE01 7A85-2CD3 7A85-1CE3
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¬NOzYES®YES

NO

NO

®NO

¬NOzYES®YES

NO¾d./

bZONE427A-6F10+ 7A85-6F1027A-6F11@ 7A85-6F11

°NO

±NO

²NO

|NO±YES

°NO

°NO

±NO

²NO

|NO±YES

°NOd

SLEEP0TOGGLE5MAIN

57A-30€7A85-30CF57A-30CE4 7A85-30CE³YES `YES

µYESwYES`YES

³YES³YES`YESµYESwYES`YES³YES¾ d*+

3ZONE2

37A-31 } 7A85-31CE 37A-31CF , 7A85-31CF YES ®YES

¬YES zYES ®YES

YES YES ®YES ¬YES zYES ®YES YES¾

d*+

3ZONE3

37A-32

} 7A85-32CD

37A-32CC

, 7A85-32CC

NO

®NO

¬NO

zYES

®YES

NO

NO

®NO

¬NO

zYES
®YES

NO^{3/4}d*+
kZONE4
k7A-33- 7A85-33Cck7A-33CD1 7A85-33CD
°NO
±NO

²NO
|NO±YES

°NO
°NO
±NO
²NO
|NO±YES

°NO
'INPUT&HDMI- 1'-MAIN-7A-4738• 7A85-4738-7A-4739) 7A85-4739¶YES ·YES

₃NO
¹NO
·NO
¶YES¶YES·YES
₃NO
¹NO
·NO¶YES^{3/4}
d*+

3ZONE2
-7A-4837
• 7A85-4837
-7A-4836
(7A85-4836

NO
®NO

-NO

zNO

®NO

NO

NO

®NO

-NO

zNO

®NO

NO¾d*+

bZONE327A-4936+ 7A85-493627A-4937@ 7A85-4937

°NO

±NO

²NO

|NO

±NO

°NO

°NO

±NO

²NO

|NO

±NO

°NOeHDMI- 205MAIN57A-4A35€ 7A85-4A3557A-4A344 7A85-4A34³YES ˆYES

µNO

wNO

ˆNO

³YES³YESˆYES

µNO

wNO

ˆNO³YES¾d*+

3ZONE2-7A-4B34• 7A85-4B34-7A-4B35(7A85-4B35

NO

®NO

ˆNO

zNO

®NO

NO

NO

®NO

ˆNO

zNO

®NO

NO¾d./

7ZONE3;7A-4C33/ 7A85-4C33;7A-4C32E 7A85-4C32

°NO

»NO

¼NO

½NO

»NO

°NO

°NO

»NO
¼NO
½NO
»NO
°NOeHDMI- 305MAIN-7A-4D32• 7A85-4D32-7A-4D33(7A85-4D33©YES °YES

«NO
¬NO
ªNO
©YES©YESªYES

«NO
¬NO
ªNO©YES¾d*+
3ZONE2-7A-4E31• 7A85-4E31-7A-4E30(7A85-4E30
NO

®NO

¬NO
zNO
®NO

NO
NO
®NO
¬NO
zNO
®NO

NO¾d./
7ZONE327A-4F30+ 7A85-4F3027A-4F31@ 7A85-4F31
°NO
±NO

²NO
|NO
±NO

°NO
°NO
±NO
²NO
|NO
±NO

°NOeHDMI- 405MAIN57A-502F€ 7A85-502F57A-502E4 7A85-502E³YES ´YES

µNO
wNO
¬NO
³YES³YES´YES

µNO
wNO
¬NO³YES¾d*+
3ZONE2-7A-512E• 7A85-512E-7A-512F(7A85-512F
NO

®NO

-NO
zNO
®NO

NO
NO
®NO
-NO
zNO
®NO

NO^{3/4}d./
7ZONE3;7A-522D/ 7A85-522D;7A-522CE 7A85-522C
°NO
»NO

1/4NO
1/2NO
»NO

°NO
°NO
»NO
1/4NO
1/2NO
»NO

°NOeHDMI- 505MAIN-7A-700F• 7A85-700F-7A-700E(7A85-700E©YES °YES

«NO
-NO
°NO
©YES©YES°YES

«NO
-NO
°NO©YES^{3/4}d*+
3ZONE237A-710E} 7A85-710E37A-710F, 7A85-710F
NO
®NO

-NO
zNO
®NO

NO
NO
®NO
-NO
zNO
®NO

NO^{3/4}d./
7ZONE3;7A-720D/ 7A85-720D;7A-720C@ 7A85-720C
°NO
±NO

²NO
|NO
±NO

°NO
°NO
±NO
²NO
|NO
±NO

°NOeHDMI- 605MAIN-7A-730C• 7A85-730C-7A-730D(7A85-730D
³NO ^YES

μNO
wNO
^NO

³NO
³NO ^YES

μNO
wNO
^NO

³NO³/₄d*+
3ZONE237A-740B} 7A85-740B37A-740A, 7A85-740A

NO
®NO

-NO
zNO
®NO

NO
NO
®NO

-NO
zNO
®NO

NO³/₄d\$%
7ZONE3;7A-750A/ 7A85-750A;7A-750BE 7A85-750B

°NO
»NO

¹/₄NO
¹/₂NO
»NO

°NO
°NO
»NO

¹/₄NO
¹/₂NO
»NO

°NOeHDMI- 705MAIN-7A-98E7• 7A85-98E7-7A-98E6(7A85-98E6
³NO ^YES

μNO
wNO
^NO

³NO
³NO^YES

μNO
wNO
^NO

³NO¾d*+
3ZONE237A-99E6} 7A85-99E637A-99E7, 7A85-99E7
NO

®NO

-NO
zNO
®NO

NO
NO
®NO

-NO
zNO
®NO

NO¾ d./
7ZONE3 ;7A-9AE5 / 7A85-9AE5 ;7A-9AE4 E 7A85-9AE4
°NO

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°NO
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»NO

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!AV- 1!0!5MAIN!-7A-532C!• 7A85-532C!-7A-532D!(7A85-532D!³YES! ^YES!
μYES!wYES!^YES!

³YES!³YES!^YES!μYES!wYES!^YES!³YES¾"d*+
"3ZONE2"-7A-542B"• 7A85-542B"-7A-542A"(7A85-542A
"NO

" ®NO"

-YES"zYES"®YES

"

NO
"NO

"®NO"-YES"zYES"®YES

"NO¾#d#+

#bZONE3#27A-552A#+ 7A85-552A#27A-552B#@ 7A85-552B

#NO
@NO

-NO#zYES#@YES

NO
#NO
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#-NO#zYES#@YES
#NO¾d./
\$bZONE4\$b7A-84FB\$— 7A85-84FB\$b7A-84FA\$1 7A85-84FA
\$°NO
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%AV- 2%0%5MAIN%57A-5629%€ 7A85-5629%57A-5628%4 7A85-5628%³YES% `YES%
µYES%wYES% `YES%
³YES%³YES% `YES%µYES%wYES% `YES%³YES¾d*+
&3ZONE2&37A-5728&} 7A85-5728&37A-5729&, 7A85-5729
&NO
& @NO&
-YES&zYES&@YES
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NO
&NO
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&NO¾d#+
'3ZONE3'37A-5827'} 7A85-5827'37A-5826', 7A85-5826
'NO
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-NO'zYES'@YES
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NO
'NO
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-NO'zYES'@YES
'NO¾(d./
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(°NO
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(°NO)e
)AV- 3)0)5MAIN)57A-5926)€ 7A85-5926)57A-5927)4 7A85-5927)³YES) ^YES)
μYES)wYES)^YES)
³YES)³YES)^YES)μYES)wYES)^YES)³YES¾*d*+
*3ZONE2*37A-5A25*} 7A85-5A25*37A-5A24*, 7A85-5A24
*NO
* ®NO*
- YES*zYES*®YES
*
NO
*NO
®NO- YES*zYES*®YES
*NO¾+d#+
+3ZONE3+37A-5B24+} 7A85-5B24+37A-5B25+, 7A85-5B25
+NO
+ ®NO
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- NO+zYES+®YES
+
NO
+NO
+®NO
+ - NO+zYES+®YES
+NO¾,d./
,7ZONE4,77A-86F9,Y 7A85-86F9,77A-86F8,6 7A85-86F8
,°NO
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¼NO
,½NO,»YES
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,°NO
,»NO
,¼NO
,½NO,»YES
,°NO-e
-AV- 4-0-5MAIN-57A-5C23-€ 7A85-5C23-57A-5C22-4 7A85-5C22-³YES- ^YES-
μYES-wYES- ^YES-
³YES-³YES- ^YES-μYES-wYES- ^YES-³YES¾.d*+
.3ZONE2.37A-5D22.} 7A85-5D22.37A-5D23., 7A85-5D23
.NO
. ®NO.
- YES.zYES.®YES
.
NO
.NO
.®NO.- YES.zYES.®YES
.NO¾/d#+
/3ZONE3/37A-5E21/} 7A85-5E21/37A-5E20/, 7A85-5E20

/NO
/ ®NO
/
-NO/zYES/®YES
/
NO
/NO
/®NO
/NO/zYES/®YES
/NO¾4d./
07ZONE4077A-87F80Y 7A85-87F8077A-87F906 7A85-87F9
0°NO
0 »NO
0
¼NO
0½NO0»YES
0
°NO
0°NO
0»NO
0¼NO
0½NO0»YES
0°NO1e
1AV- 5101-MAIN1-7A-5F201• 7A85-5F201-7A-5F211(7A85-5F211³YES1 ^YES1
µYES1wYES1^YES1
³YES1³YES1^YES1µYES1wYES1^YES1³YES¾4d*+
23ZONE22-7A-601F2• 7A85-601F2-7A-601E2(7A85-601E2YES2 ®YES
2
-NO
2zNO
2®NO2
YES2YES2®YES
2^-NO
2zNO
2®NO2YES¾43d#+
3bZONE3327A-611E3+ 7A85-611E327A-611F3@ 7A85-611F
3NO
3 ®NO
3
-NO
3zNO
3®NO
3
NO
3NO
3®NO
3^-NO
3zNO
3®NO
3NO¾4d./
47ZONE4477A-88F74Y 7A85-88F7477A-88F646 7A85-88F6
4°NO
4 »NO
4

¼NO
4½NO
4»NO
4
°NO
4°NO
4»NO
4¼NO
4½NO
4»NO
4°NO5e
5AV- 6505-MAIN5-7A-621D5• 7A85-621D5-7A-621C5(7A85-621C5³YES5 `YES5
µYES5wYES5`YES5
³YES5³YES5`YES5µYES5wYES5`YES5³YES5¾6d*+
63ZONE26-7A-631C6• 7A85-631C6-7A-631D6(7A85-631D6YES6 ®YES
6
-NO
6zNO
6®NO6
YES6YES6®YES
6-NO
6zNO
6®NO6YES¾7d#+
7bZONE3727A-641B7+ 7A85-641B727A-641A7@ 7A85-641A
7NO
7 ®NO
7
-NO
7zNO
7®NO
7
NO
7NO
7®NO
7-NO
7zNO
7®NO
7NO¾8d./
87ZONE4877A-89F68Y 7A85-89F6877A-89F786 7A85-89F7
8°NO
8 »NO
8
¼NO
8½NO
8»NO
8
°NO
8°NO
8»NO
8¼NO
8½NO
8»NO
8°NO9e
9AV- 7909-MAIN9-7A-76099• 7A85-76099-7A-76089(7A85-7608

9³NO
9 ^NO9
μYES9wYES9^YES
9
³NO
9³NO
9^NO9μYES9wYES9^YES
9³NO¾;d*+
:3ZONE2:-7A-7708:• 7A85-7708:-7A-7709:(7A85-7709
:NO
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-NO
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:NO¾;d*+
;bZONE3;27A-7807;+ 7A85-7807;27A-7806;@ 7A85-7806
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;NO¾<d./
<7ZONE4<77A-8AF5<Y 7A85-8AF5<77A-8AF4<6 7A85-8AF4
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μNO
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=ˆNO=
³YES=³YES=ˆYES
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=ˆNO=³YES¾>d*+
>3ZONE2>-7A-9CE3>• 7A85-9CE3>-7A-9CE2>(7A85-9CE2>YES> ®YES
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-NO
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>®NO>
YES>YES>®YES
>-NO
>zNO
>®NO>YES¾?d*+
?bZONE3?27A-9DE2?+ 7A85-9DE2?27A-9DE3?@ 7A85-9DE3
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?®NO
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?®NO
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?zNO
?®NO
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@ »NO
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@½NO
@»NO
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@°NO
@»NO
@¼NO
@½NO
@»NO
@°NO×DP&19999993;ABCDEFGHIJKLMNOPQRSTUVWXYZ[]^`AeAAUDIO- 1A0A-MAINA-7A-651AA•
7A85-651AA-7A-651BA5 7A85-651BA©
YES*No keyA^a
YES*No keyA
«YESA¬YESA^aYESA
©
YES*No keyA©
YES*No keyA^a

YES*No keyA<<YESA-YESA^YESA©

YES*No key¾Bd*+

B3ZONE2B-7A-6619B• 7A85-6619B-7A-6618B- 7A85-6618B

YES*No keyB ®

YES*No keyB

- YESBzYESB®YESB

YES*No keyB

YES*No keyB®

YES*No keyB- YESBzYESB®YESB

YES*No key¾Cd*+

CbZONE3C27A-6718C+ 7A85-6718C27A-6719C2 7A85-6719

CNO

C ®NO

C

- NOCzYESC®YES

C

NO

CNO

C®NO

C- NOCzYESC®YES

CNO¾Dd./

D7ZONE4D77A-8CF3DY 7A85-8CF3D77A-8CF2D7 7A85-8CF2

D°NO

D ±NO

D

²NO

D|NOD±YES

D

°NO

D°NO

D±NO

D²NO

D|NOD±YES

D°NOEeEAUDIO- 2E0E-MAINE-7A-6817E• 7A85-6817E-7A-6816E(7A85-6816E³

YES*No keyE ´

YES*No keyE

µYESEwYESE´YESE

3

YES*No keyE³

YES*No keyE´

YES*No keyEµYESEwYESE´YESE³

YES*No key¾Fd*+

F3ZONE2F-7A-6916F• 7A85-6916F-7A-6917F(7A85-6917F

YES*No keyF ®

YES*No keyF

- YESFzYESF®YESF

YES*No keyF

YES*No keyF®

YES*No keyF- YESFzYESF®YESF

YES*No key¾Gd*+

GbZONE3G27A-6A15G+ 7A85-6A15G27A-6A14G@ 7A85-6A14

GNO

G ®NO

G

-NOGzYESG®YES

G

NO

GNO

G®NO

G-NOGzYESG®YES

GNO¾Hd./

H7ZONE4H77A-8DF2HY 7A85-8DF2H77A-8DF3H6 7A85-8DF3

H°NO

H »NO

H

¼NO

H½NOH»YES

H

°NO

H°NO

H»NO

H¼NO

H½NOH»YES

H°NOIeIAUDIO- 3I0I-MAINI-7A-7C03I• 7A85-7C03I-7A-7C02I(7A85-7C02

I©NO

I °NOI

«YESI-YESI°YES

I

©NO

I©NO

I°NOI«YESI-YESI°YES

I©NO¾Jd*+

J3ZONE2J-7A-7D02J• 7A85-7D02J-7A-7D03J(7A85-7D03

JNO

J ®NOJ

-YESJzYESJ®YES

J

NO

JNO

J®NOJ-YESJzYESJ®YES

JNO¾Kd*+

KbZONE3K27A-7E01K+ 7A85-7E01K27A-7E00K@ 7A85-7E00

KNO

K ®NO

K

-NOKzYESK®YES

K

NO

KNO

K®NO

K-NOKzYESK®YES

KNO¾Ld./

L7ZONE4L77A-8EF1LY 7A85-8EF1L77A-8EF0L1 7A85-8EF0

L°NO

L ±NO

L

2NO
L|NO
L±NO
L
°NO
L°NO
L±NO
L²NO
L|NO
L±NO
L°NOMeMAUDIO- 4M0M-MAINM-7A-7F00M• 7A85-7F00M-7A-7F01M(7A85-7F01
M³NO
M NOM
μYESMwYESM^YES
M
³NO
M³NO
M^NOMμYESMwYESM^YES
M³NO¾Nd*+
N3ZONE2N-7A-80FFN• 7A85-80FFN-7A-80FEN(7A85-80FE
NNO
N ®NON
- YESNzYESN®YES
N
NO
NNO
N®NON^ YESNzYESN®YES
NNO¾Od*+
ObZONE3O27A-81FEO+ 7A85-81FEO27A-81FFO@ 7A85-81FF
ONO
O ®NO
O
-NOOzYESO®YES
O
NO
ONO
O®NO
O^-NOOzYESO®YES
ONO¾Pd./
P7ZONE4P77A-8FF0PY 7A85-8FF0P77A-8FF1P6 7A85-8FF1
P°NO
P »NO
P
¼NO
P½NO
P»NO
P
°NO
P°NO
P»NO
P¼NO
P½NO
P»NO
P°NOQe

Q*V-AUXQ+Q5MAIN

Q57A-55Q€ 7A85-55AAQ57A-55ABQ(7A85-55ABQ©YESQ^aYESQ

«YESQ¬YESQ^aYESQ

©YESQ©YESQ^aYESQ«YESQ¬YESQ^aYESQ©YES^{3/4}Rd*+

R3ZONE2

R37A-D8R} 7A85-D827R37A-D826R, 7A85-D826RYESR ®YESR

-YESRzYESR®YESR

YESRYESR®YESR⁻YESRzYESR®YESRYES^{3/4}Sd*+

S3ZONE3

S37A-F0S} 7A85-F00FS37A-F00ES1 7A85-F00E

S°NO

S ±NO

S

²NOS|YESS±YES

S

°NO

S°NO

S±NO

S²NOS|YESS±YES

S°NO^{3/4}Td./

T7ZONE4

T77A-7DTY 7A85-7D82T77A-7D83T1 7A85-7D83

T°NO

T ±NO

T

²NO

T|NOT±YES

T

°NO

T°NO

T±NO

T²NO

T|NOT±YES

T°NOUdÖUPHONU^{3/4}U5MAIN

U57A-14U€ 7A85-14EBU57A-14EAU4 7A85-14EAU³YES*ExceptUCU ^YES*ExceptUCU

μYESUwYESU^YESU

³YES*ExceptUCU³YES*ExceptUCU^YES*ExceptUCUμYESUwYESU^YESU³YES*ExceptUC^{3/4}Vd*¿

V3ZONE2

V37A-D0V} 7A85-D02FV37A-D02EV, 7A85-D02EVYES*ExceptUCV ®YES*ExceptUCV

-YESVzYESV®YESV

YES*ExceptUCVYES*ExceptUCV®YES*ExceptUCV⁻YESVzYESV®YESVYES*ExceptUC^{3/4}Wd*¿

W3ZONE3

W37A-F1W} 7A85-F10EW37A-F10FW, 7A85-F10F

WNO

W ®NO

W

⁻NOWzYESW®YES

W

NO

WNO

W®NO

W⁻NOWzYESW®YES

WNO^{3/4}Xd.À

X7ZONE4

X77A-7EXY 7A85-7E81X77A-7E80X6 7A85-7E80
X°NO
X »NO
X
¼NO
X½NO
X»NO
X
°NO
X°NO
X»NO
X¼NO
X½NO
X»NO
X°NOYdYUSBY0Y5MAINY5 7F01-720DY€ 7F01-720DY5 7F01-720CY(7F01-720CY©YESY °YESY
«YESY-YESY°YESY
©YESY©YESY°YESY«YESY-YESY°YESY©YES¾Zd*+
Z3ZONE2Z3 7F01-730CZ} 7F01-730CZ3 7F01-730DZ, 7F01-730DZYESZ ®YESZ
-YESZzYESZ®YESZ
YESZYESZ®YESZ-YESZzYESZ®YESZYES¾[d*+
[3ZONE3[3 7F01-740B[] 7F01-740B[3 7F01-740A[, 7F01-740A
[NO
[®NO
[
-NO[zYES[®YES
[
NO
[NO
[®NO
[-NO[zYES[®YES
[NO¾d./
\\ZONE4\\7 7F01-7A05\\Y 7F01-7A05\\7 7F01-7A04\\1 7F01-7A04
\\°NO
\\ ±NO
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²NO
\\NO
\\±NO
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°NO
\\°NO
\\±NO
²NO
\\NO
\\±NO
\\°NO[d]NET]0]5MAIN]57F01-3F]€ 7F01-3FC0]5 7F01-3FC1]4 7F01-3FC1]³YES] ^YES]
µYES]wYES]^YES]
³YES]³YES]^YES]µYES]wYES]^YES]³YES¾^d*€
^3ZONE2^37F01-40^} 7F01-40BF^3 7F01-40BE^, 7F01-40BE^YES^ ®YES^
-YES^zYES^®YES^
YES^YES^®YES^-YES^zYES^®YES^YES¾_d€
_3ZONE3_37F01-41_] 7F01-41BE_3 7F01-41BF_, 7F01-41BF
_NO
- ®NO

-NO_zYES_@YES

-NO

_NO

_@NO

-NO_zYES_@YES

_NO¾`d.%

`7ZONE4`77F01-49`Y 7F01-49B6`7 7F01-49B7`6 7F01-49B7

`°NO

` »NO

¼NO

`½NO

`»NO

°NO

`°NO

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`½NO

`»NO

`°NO×D5(lfOfO667#pY;)!9'abcdefghijklmnopqrstuvwxy z,0{|}~€adaDOCKa0a-MAINa-7F01-4Aa• 7F01-4AB5a-

7F01-4AB4a(7F01-4AB4a©YESa °YESa

«YESa¬YESa°YESa

©YESa©YESa°YESa«YESa¬YESa°YESa©YES¾bd*+

b3ZONE2b-7F01-4Bb• 7F01-4BB4b- 7F01-4BB5b(7F01-4BB5bYESb @YESb

-YESbzYESb@YESb

YESbYESb@YESb-YESbzYESb@YESbYES¾cd*+

c3ZONE3c-7F01-4Cc• 7F01-4CB3c- 7F01-4CB2c(7F01-4CB2

cNO

c @NO

c

-NOczYESc@YES

c

NO

cNO

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c-NOczYESc@YES

cNO¾dd./

d7ZONE4d77F01-4DdY 7F01-4DB2d7 7F01-4DB3d1 7F01-4DB3

d°NO

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²NO

d|NO

d±NO

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d±NO

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d°NOed
eTUNERe^{3/4}e5MAIN
e57A-16e€ 7A85-16E9e57A-16E8e4 7A85-16E8e³YESe ^YESe
μYESewYESe^YESe
³YESe³YESe^YESeμYESewYESe^YESe³YES^{3/4}fd;
f3ZONE2
f37A-D2f} 7A85-D22Df37A-D22Cf, 7A85-D22CfYESf @YESf
-YESfzYESf@YESf
YESfYESf@YESf^YESfzYESf@YESfYES^{3/4}gd;
g3ZONE3
g37A-F3g} 7A85-F30Cg37A-F30Dg, 7A85-F30D
gNO
g @NO
g
-NOgzYESg@YES
g
NO
gNO
g@NO
g^-NOgzYESg@YES
gNO^{3/4}hdÀ
h7ZONE4
h77A-20hY 7A85-20DFh77A-20DEh6 7A85-20DE
h°NO
h »NO
h
1/4NO
h1/2NO
h»NO
h
°NO
h°NO
h»NO
h1/4NO
h1/2NO
h»NO
h°NOidiSIRIUSi8i-MAIN
i-7A-39i• 7A85-39C6i-7A-39C7i(7A85-39C7
i³YES*U
i ^YES*U
i
μYES*U
iwYES*U
i^YES*U
i
³YES*U
i³YES*U
i^YES*U
iμYES*U
iwYES*U
i^YES*U
i³YES*U^{3/4}jdO
j3ZONE2
j-7A-3Aj• 7A85-3AC5j-7A-3AC4j(7A85-3AC4

jYES*U
j ®YES*U
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- YES*U
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j®YES*U
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YES*U
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j®YES*U
j- YES*U
jzYES*U
j®YES*U
jYES*U¾kd+
k3ZONE3
k37A-3Bk} 7A85-3BC4k37A-3BC5k, 7A85-3BC5
kNO
k ®NO
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- NO
kzYES*U
k®YES*U
k
NO
kNO
k®NO
k- NO
kzYES*U
k®YES*U
kNO¾ld+
l7ZONE4
l77A-3CIY 7A85-3CC3l77A-3CC2l6 7A85-3CC2
l°NO
l »NO
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l½NO
l»NO
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°NO
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l½NO
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l°NOmemtMULTI CH INm¾mòMAIN
m27A-87m+ 7A85-8778m27A-8779m@ 7A85-8779
mdNO
m ÂNOm
ÃYESmeYESmÂYES
m
dNO
mdNO
mÂNOmÃYESmeYESmÂYES

mdNOnd
nUPn0n5MAINn57A-1F60n€ 7A85-1F60n57A-1F61n4 7A85-1F61n³YESn ^YESn
μ YESn w YESn ^YESn
³YESn³YESn ^YESn μ YESn w YESn ^YESn³YES³⁄₄od*+
o3ZONE2o-7A-205Fo• 7A85-205Fo-7A-205Eo(7A85-205EoYESo ®YESo
- YESozYESo®YESo
YESo YESo®YESo- YESozYESo®YESoYES³⁄₄pd*+
p3ZONE3p-7A-215Ep• 7A85-215Ep-7A-215Fp(7A85-215F
pNO
p ®NO
p
- NOpzYESp®YES
p
NO
pNO
p®NO
p- NOpzYESp®YES
pNO³⁄₄qd*+
q3ZONE4q27A-225Dq+ 7A85-225Dq27A-225Cq@ 7A85-225C
q°NO
q »NO
q
¼NO
q½NOq»YES
q
°NO
q°NO
q»NO
q¼NO
q½NOq»YES
q°NO rDOWNr0r5MAINr57A-235Cr€ 7A85-235Cr57A-235Dr(7A85-235Dr©YESr °YESr
«YESr-YESr°YESr
©YESr©YESr°YESr«YESr-YESr°YESr©YES³⁄₄sd+
s3ZONE2s-7A-245Bs• 7A85-245Bs-7A-245As(7A85-245AsYESs ®YESs
- YESszYESs®YESs
YESsYESs®YESs- YESszYESs®YESsYES³⁄₄td+
t3ZONE3t-7A-255At• 7A85-255At-7A-255Bt(7A85-255B
tNO
t ®NO
t
- NOtzYESt®YES
t
NO
tNO
t®NO
t- NOtzYESt®YES
tNO³⁄₄ud+
ubZONE4u27A-2659u+ 7A85-2659u27A-2658u@ 7A85-2658
u°NO
u ±NO
u
²NO
u|NOu±YES
u

°NO
u°NO
u±NO
u²NO
u|NOu±YES
u°NOvdvNET/USBv0TOGGLEv5MAINv57A-A8D7v€7A85-A8D7v57A-A8D6v4 7A85-A8D6v³YESv ^YESv
µYESvwYESv^YESv
³YESv³YESv^YESvµYESvwYESv^YESv³YES³⁄wd+
w3ZONE2w-7A-A9D6w• 7A85-A9D6w-7A-A9D7w(7A85-A9D7wYESw ®YESw
- YESwzYESw®YESw
YESwYESw®YESw^ YESwzYESw®YESwYES³⁄xd+
x3ZONE3x-7A-AAD5x• 7A85-AAD5x-7A-AAD4x(7A85-AAD4
xNO
x ®NO
x
- NOxzYESx®YES
x
NO
xNO
x®NO
x^- NOxzYESx®YES
xNO³⁄yd_š
ykZONE4ya7A-ABD4yš 7A85-ABD4ya7A-ABD5yœ 7A85-ABD5
yÄNO
y ÅNO
y
ÆNO
yÇNO
yÄNO
y
ÄNO
yÄNO
yÄNO
yÆNO
yÇNO
yÄNO
yÄNOzÈOUTPUTzAHDMI OUTzLTOGGLEzCMAIN
zC7A-35zX 7A85-35CAzC7A-35CBzB 7A85-35CBzÉYESz ÊYESz
ËYESzËYESzÊYESz
ÉYESzÉYESzÊYESzËYESzÈYESzÊYESzÉYES{ePROGRAM
{GMOVIE{GTOGGLE{)MAIN
{7A-88{~ 7A85-8877{)7A-8876{(7A85-8876{©YES{ ^YES{
«YES
{¬NO
{^NO{
©YES{©YES{^YES{«YES
{¬NO
{^NO{©YES|d
|FMUSIC|FTOGGLE|7MAIN
|77A-89|Y 7A85-8976|77A-8977|1 7A85-8977|°YES| ±YES|
²YES
||NO
|±NO|
°YES|°YES|±YES|²YES

||NO
|±NO|°YES}d}OENHANCER}OTOGGLE}2MAIN
};7A-94}/ 7A85-946B};7A-946A}E 7A85-946A}ÏYES} ÍYES}
ÏYES}<YES}ÍYES}
ÏYES}ÏYES}ÏYES}ÏYES}<YES}ÍYES}ÏYES}~d~NSTRAIGHT~NTOGGLE~>MAIN
~>7A-56~ 7A85-56A9~>7A-56A8~= 7A85-56A8~ÏYES~ ÍYES~
ÏYES~<YES~ÍYES~
ÏYES~ÏYES~ÍYES~ÏYES~<YES~ÍYES~ÏYESdNPURE DIRECT or DIRECT8TOGGLE\MAIN
27A-DD+ 7A85-DD2227A-DD23@ 7A85-DD23ÏYES ÍYES
ÏYES<YESÍYES
ÏYESÏYESÍYESÏYES<YESÍYESÏYES€€SUR. DECODE€NTOGGLE€MAIN
€7A-8D€ 7A85-8D72€7A-8D73€ 7A85-8D73€ÏYES€ÍYES€
ÏYES€YES€ÏYES€
ÏYES€ÏYES€ÏYES€ÏYES€YES€ÏYES€ÏYES€ÏYES×DJ(l:'7#P;#76%8%C%JD;BBO,f,,...†‡ ^%Š<ŒŽ“”•—~™š>
œžŸ dK CLASSICALKTOGGLE5MAIN
57A-8A€7A85-8A7557A-8A74(7A85-8A74
©NO
^NO

<NO~YES^YES

©NO
©NO
^NO
<NO~YES^YES
©NO,e,I LIVE/CLUB,ITOGGLE,3MAIN
,37A-8B,} 7A85-8B74,37A-8B75,, 7A85-8B75
,NO
, ®NO
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- NO,zYES,®YES
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NO
,NO
,®NO
, - NO,zYES,®YES
,NOfdfl ENTERTAINfITOGGLEf3MAIN
f37A-8Cf} 7A85-8C73f37A-8C72f, 7A85-8C72
fNO
f ®NO
f
- NOfzYES,f®YES
f
NO
fNO
f®NO
f- NOfzYES,f®YES
fNO,,e
,,IMOVIE,,ITOGGLE,,3MAIN
,,37A-8E,,} 7A85-8E71,,37A-8E70,, 7A85-8E70
,,NO
,, ®NO
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- NO,,zYES,,®YES

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NO
„NO
„,®NO
„-NO„,zYES„,®YES
„,NO...d...FSTEREO...FTOGGLE...7MAIN
...77A-8F...Y 7A85-8F70...77A-8F71...1 7A85-8F71
...°NO
... ±NO
...
²NO...|YES...±YES
...
°NO
...°NO
...±NO
...²NO...|YES...±YES
...°NO†d†OPROGRAM
†OUP†2MAIN
†57A-58†€ 7A85-58A7†57A-58A6†4 7A85-58A6
†³NO
† NO
†
μNO†wYES†^YES
†
³NO
†³NO
†^NO
†μNO†wYES†^YES
†³NO¾
‡d ‡FDOWN‡7MAIN
‡;7A-59‡/ 7A85-59A6‡;7A-59A7‡@ 7A85-59A7
‡ÄNO
‡ ÅNO
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ÆNO‡ÇYES‡ÅYES
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ÄNO
‡ÄNO
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‡ÆNO‡ÇYES‡ÅYES
‡ÄNO^cMEMORY
^SCENE^<BD/DVD^)MAIN^7A-007F~~ 7A85-007F^7A-007E^(7A85-007E^©YES^ ^YES^
«YES^-YES^ ^YES^
©YES^©YES^ ^YES^«YES^-YES^ ^YES^©YES¾
%oe+
%oOor
%o3ZONE2%o-7A-017E%o• 7A85-017E%o-7A-017F%o(7A85-017F
%oNO
%o ®NO%o
- YES%ozYES%o®YES
%o
NO
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%oNO¾

Še+~

ŠOđ?

Š3ZONE3Š-7A-027DŠ• 7A85-027DŠ-7A-027CŠ(7A85-027C

ŠNO

Š ®NO

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-NOŠzYESŠ®YES

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NO

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Š-NOŠzYESŠ®YES

ŠNO¾<e+O

<3ZONE4<27A-1867<+ 7A85-1867<27A-1866<@ 7A85-1866

<°NO

< ±NO

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²NO

<|NO<±YES

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°NO

<°NO

<±NO

<²NO

<|NO<±YES

<°NO¾

Œe9

Œ8TVŒ5MAINŒ57A-037CŒ€ 7A85-037CŒ57A-037DŒ4 7A85-037DŒ³YESŒ `YESŒ

µYESŒwYESŒ`YESŒ

³YESŒ³YESŒ`YESŒµYESŒwYESŒ`YESŒ³YES¾

e9

Oor

3ZONE2-7A-047B• 7A85-047B-7A-047A(7A85-047A

NO

®NO

-YESzYES®YES

NO

NO

®NO-YESzYES®YES

NO¾

Že9~

ŽO@

ŽbZONE3Ž-7A-057AŽ• 7A85-057AŽ-7A-057BŽ(7A85-057B

ŽNO

Ž ®NO

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-NOŽzYESŽ®YES

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NO

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Ž-NOŽzYESŽ®YES

ŽNO¾e9M

7ZONE4;7A-1966/ 7A85-1966;7A-1967E 7A85-1967

°NO

»NO

¼NO

½NO»YES

°NO

°NO

»NO

¼NO

½NO»YES

°NO¾

e+

OCD-MAIN-7A-0679• 7A85-0679-7A-0678(7A85-0678©YES °YES

«YES¬YES°YES

©YES©YES°YES«YES¬YES°YES©YES¾

‘e+

‘Oor

‘3ZONE2‘-7A-0778‘• 7A85-0778‘-7A-0779‘(7A85-0779

‘NO

‘ ®NO‘

¬YES‘zYES‘®YES

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NO

‘NO

‘®NO‘¬YES‘zYES‘®YES

‘NO¾

‘e+~

‘O@

‘3ZONE3‘-7A-0877‘• 7A85-0877‘-7A-0876‘(7A85-0876

‘NO

‘ ®NO

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¬NO‘zYES‘®YES

‘

NO

‘NO

‘®NO

‘¬NO‘zYES‘®YES

‘NO¾“e+O

“3ZONE4“27A-1A65“+ 7A85-1A65“27A-1A64“@ 7A85-1A64

“°NO

“ ±NO

“

²NO

“|NO“±YES

“

°NO

“°NO

“±NO

“²NO

“|NO“±YES

“°NO¾
”e9
”8RADIO”5MAIN”57A-0976”€ 7A85-0976”57A-0977”4 7A85-0977”3YES” `YES”
μYES”wYES”`YES”
³YES”³YES”`YES”μYES”wYES”`YES”³YES¾
•e9
•Oor
•3ZONE2•-7A-0A75•• 7A85-0A75•-7A-0A74•(7A85-0A74
•NO
• ®NO•
- YES•zYES•®YES
•
NO
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•NO¾
-e9~
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-3ZONE3--7A-0B74--• 7A85-0B74--7A-0B75-(7A85-0B75
-NO
- ®NO
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- NO-zYES-®YES
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NO
-NO
-®NO
- - NO-zYES-®YES
-NO¾-e9M
-;ZONE4-;7A-1B64-/ 7A85-1B64-;7A-1B65-E 7A85-1B65
-°NO
- »NO
-
¼NO
-½NO-®YES
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°NO
-°NO
-»NO
-¼NO
-½NO-®YES
-°NO?~MEMORY~5MAIN~5 7F01-6718~€ 7F01-6718~5 7F01-6719~4 7F01-6719~³YES~ `YES~
μYES~wYES~`YES~
³YES~³YES~`YES~μYES~wYES~`YES~³YES¾™@!!
™3ZONE2™3 7F01-6817™} 7F01-6817™3 7F01-6816™, 7F01-6816
™NO
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- NO
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™®NO
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TM- NO
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TM®NO
TMNO¾š'P!
š3ZONE3š3 7F01-6916š} 7F01-6916š3 7F01-6917š, 7F01-6917
šNO
š ®NO
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- NO
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kZONE4k 7F01-80FF>- 7F01-80FF>k 7F01-80FE>1 7F01-80FE
>°NO
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>>NO
>
°NO
>°NO
>>NO
>¼NO
>½NO
>>NO
>°NOœcMENUœ< ON SCREENœOTOGGLEœ2MAIN
œ-7A-84œ• 7A85-847Bœ-7A-847Aœ(7A85-847Aœ©YESœ ^YESœ
«YESœ¬YESœ^YESœ
©YESœ©YESœ^YESœ«YESœ¬YESœ^YESœ©YESœÖ
orO
3ZONE2-7A-3B44• 7A85-3B44-7A-3B45(7A85-3B45
NO
®NO
- NO
zNO
®NO
NO
NO
®NO
- NO
zNO
®NO
NOžeÖžSETUPžO

ž3ZONE3ž-7A-443Bž• 7A85-443Bž-7A-443Až(7A85-443A

žNO

ž @NO

ž

-NO

žzNO

ž@NO

ž

NO

žNO

ž@NO

ž-NO

žzNO

ž@NO

žNO¾ÿe M

ÿ7ZONE4ÿ27A-413Eÿ+ 7A85-413Eÿ27A-413Fÿ@ 7A85-413F

ÿ°NO

ÿ ±NO

ÿ

²NO

ÿ|NO

ÿ±NO

ÿ

°NO

ÿ°NO

ÿ±NO

ÿ²NO

ÿ|NO

ÿ±NO

ÿ°NO e 8OPTION 8TOGGLE \MAIN 57A-6B14 €7A85-6B14 57A-6B15 4 7A85-6B15 ³YES ^YES

µYES wYES ^YES

³YES ³YES ^YES µYES wYES ^YES ³YES×D-(1;;785(I+)0+)0+)3+)>I.1;ç£¤¥¦§¨©ª«¬®¯°±²³´µ¶·¸¹º»¼½¾¿À³¼;eO

;3ZONE2;-7A-6C13;• 7A85-6C13;-7A-6C12;(7A85-6C12

;NO

; @NO

;

-NO; zYES; @YES

;

NO

;NO

;@NO

;-NO; zYES; @YES

;NO¾çeO

ç3ZONE3ç-7A-6D12ç• 7A85-6D12ç-7A-6D13ç(7A85-6D13

çNO

ç @NO

ç

-NOçzYESç@YES

ç

NO

çNO

ç@NO

ç-NOçzYESç@YES

çNO¾çe M

£7ZONE4£;7A-6E11£/ 7A85-6E11£;7A-6E10£E 7A85-6E10

£°NO

£ »NO

£

¼NO

£½NO

£»NO

£

°NO

£°NO

£»NO

£¼NO

£½NO

£»NO

£°NOαeα8TOP MENUα8TOGGLEα\MAINα57A-A0DFα€7A85-A0DFα57A-A0DEα4 7A85-A0DEα³YESα´YESα

μ YESαwYESα´YESα

³YESα³YESα´YESαμ YESαwYESα´YESα³YES¾¥eO

¥3ZONE2¥-7A-A1DE¥• 7A85-A1DE¥-7A-A1DF¥(7A85-A1DF

¥NO

¥ @NO

¥

-NO

¥zNO

¥@NO

¥

NO

¥NO

¥@NO

¥-NO

¥zNO

¥@NO

¥NO¾¼eO

!3ZONE3!-7A-A2DD!• 7A85-A2DD!-7A-A2DC!(7A85-A2DC

!NO

! @NO

!

-NO

!zNO

!@NO

!

NO

!NO

!@NO

!-NO

!zNO

!@NO

!NO¾¼§e M

§7ZONE4§;7A-A3DC§/ 7A85-A3DC§;7A-A3DD§E 7A85-A3DD

§°NO

§ »NO

§

¼NO

§½NO

§»NO

§
°NO
§°NO
§»NO
§¼NO
§½NO
§»NO
§°NO°e°8POP-UP MENU°8TOGGLE°\MAIN°57A-A4DB°€ 7A85-A4DB°57A-A4DA°4 7A85-A4DA°3YES°
°YES°
μYES°wYES°°YES°
³YES°³YES°°YES°μYES°wYES°°YES°³YES¾°eO
©3ZONE2©-7A-A5DA©• 7A85-A5DA©-7A-A5DB©(7A85-A5DB
©NO
© ®NO
©
- NO
©zNO
©®NO
©
NO
©NO
©®NO
©- NO
©zNO
©®NO
©NO¾°a°eO
³3ZONE3ª-7A-A6D9ª• 7A85-A6D9ª-7A-A6D8ª(7A85-A6D8
ªNO
ª ®NO
ª
- NO
ªzNO
ª®NO
ª
NO
ªNO
ª®NO
ª- NO
ªzNO
ª®NO
ªNO¾°e M
«7ZONE4«;7A-A7D8«/ 7A85-A7D8«;7A-A7D9«E 7A85-A7D9
«°NO
« »NO
«
¼NO
«½NO
«»NO
«
°NO
«°NO
«»NO
«¼NO
«½NO

<>NO
<°NO-e-+CURSOR
-OUP-MAIN
-7A-9D-• 7A85-9D62-7A-9D63-(7A85-9D63-©YES-^YES-
<YES-YES-^YES-
©YES-©YES-^YES-«YES-YES-^YES-©YES¾eO
3ZONE2-7A-2B54• 7A85-2B54-7A-2B55(7A85-2B55
NO
®NO

-NOzYES®YES

NO
NO
®NO
-NOzYES®YES

NO¾®eO
®3ZONE3®-7A-304F®• 7A85-304F®-7A-304E®(7A85-304E
®NO
® ®NO

®
-NO®zYES®®YES

®
NO
®NO
®®NO
®-NO®zYES®®YES

®NO¾-eM
-7ZONE4-27A-354A-+ 7A85-354A-27A-354B-@ 7A85-354B
-°NO
- ±NO

-
²NO
-|NO
-±NO

-
°NO
-°NO
-±NO
-²NO
-|NO
-±NO
-°NO¾

°e+°JDOWN°3MAIN
°57A-9C°€ 7A85-9C63°57A-9C62°4 7A85-9C62°³YES° ^YES°
μYES°wYES°^YES°
³YES°³YES°^YES°μYES°wYES°^YES°³YES¾±eO

±3ZONE2±-7A-2C53±• 7A85-2C53±-7A-2C52±(7A85-2C52
±NO
± ®NO
±
-NO±zYES±®YES

±
NO

±NO

±®NO

±¯ NO±zYES±®YES

±NO¾4²eO

²³ZONE3²-7A-314E²• 7A85-314E²-7A-314F²(7A85-314F

²NO

² ®NO

²

¯ NO²zYES²®YES

²

NO

²NO

²®NO

²¯ NO²zYES²®YES

²NO¾4³eM

³⁷ZONE4³;7A-3649³/ 7A85-3649³;7A-3648³E 7A85-3648

³ºNO

³ »NO

³

¼NO

³½NO

³»NO

³

ºNO

³ºNO

³»NO

³¼NO

³½NO

³»NO

³ºNO¾4

´e+´8LEFT´3MAIN

´-7A-9F´• 7A85-9F60´-7A-9F61´(7A85-9F61´©YES´ªYES´

«YES´¯YES´ªYES´

©YES´©YES´ªYES´«YES´¯YES´ªYES´©YES¾4µeO

µ³ZONE2µ-7A-2D52µ• 7A85-2D52µ-7A-2D53µ(7A85-2D53

µNO

µ ®NO

µ

¯ NOµzYESµ®YES

µ

NO

µNO

µ®NO

µ¯ NOµzYESµ®YES

µNO¾4¶eO

¶³ZONE3¶-7A-324D¶• 7A85-324D¶-7A-324C¶(7A85-324C

¶NO

¶ ®NO

¶

¯ NO¶zYES¶®YES

¶

NO

¶NO

¶®NO

¶ NO¶zYES¶®YES

¶NO¾·eM

·7ZONE4·27A-3748·+ 7A85-3748·27A-3749·@ 7A85-3749

·°NO

· ±NO

·2NO

·|NO

·±NO

·°NO

·°NO

·±NO

·2NO

·|NO

·±NO

·°NO¾

·e+

·JRIGHT, bMAIN

·57A-9E, € 7A85-9E61, 57A-9E60, 4 7A85-9E60, 3YES, ^YES,

μYES, wYES, ^YES,

3YES, 3YES, ^YES, μYES, wYES, ^YES, 3YES¾eO

13ZONE2¹-7A-2E51¹• 7A85-2E51¹-7A-2E50¹(7A85-2E50

¹NO

¹ ®NO

¹ NO¹zYES¹®YES

NO

¹NO

¹®NO

¹ NO¹zYES¹®YES

¹NO¾°eO

°3ZONE3°-7A-334C°• 7A85-334C°-7A-334D°(7A85-334D

°NO

° ®NO

° NO°zYES°®YES

NO

°NO

°®NO

° NO°zYES°®YES

°NO¾»e M

»7ZONE4»;7A-3847»/ 7A85-3847»;7A-3846»E 7A85-3846

»°NO

» »NO

¼NO

»½NO

»»NO

°NO

»°NO

»»NO
»¼NO
»½NO
»»NO
»°NO¼e
¼0ENTER¼8¼MAIN
¼-7A-DE¼• 7A85-DE2¼-7A-DE2¼(7A85-DE2¼©YES¼ °YES¼
«YES¼¬YES¼ªYES¼
©YES¼©YES¼ªYES¼«YES¼¬YES¼ªYES¼©YES¾¼½eO
½3ZONE2½-7A-2F50½• 7A85-2F50½-7A-2F51½(7A85-2F51½YES½ ®YES½
- YES½zYES½®YES½
YES½YES½®YES½- YES½zYES½®YES½YES¾¼¾eO
¾3ZONE¾-7A-344B¾• 7A85-344B¾-7A-344A¾(7A85-344A
¾NO
¾ ®NO
¾
- NO¾zYES¾®YES
¾
NO
¾NO
¾®NO
¾- NO¾zYES¾®YES
¾NO¾¼e M
¼7ZONE¼27A-3946¼+ 7A85-3946¼27A-3947¼@ 7A85-3947
¼°NO
¼ ±NO
¼
²NO
¼|NO
¼±NO
¼
°NO
¼°NO
¼±NO
¼²NO
¼|NO
¼±NO
¼°NOÀeÀ0RETURNÀ8ÀMAIN
À57A-AAÀ€ 7A85-AA55À57A-AA54À4 7A85-AA54À³YESÀ `YESÀ
µYESÀwYESÀ`YESÀ
³YESÀ³YESÀ`YESÀµYESÀwYESÀ`YESÀ³YES×D×&IDG<0017%ÁÃÄ ÅÆÇÈÉÊËÌÍÎ Ñ,0ÒÓÔÕÖ×ØÙ
ÚÛÜÝÞßà¾ÁeO
Á3ZONE2Á-7A-3C43Á• 7A85-3C43Á-7A-3C42Á(7A85-3C42
ÁNO
Á ®NO
Á
- NOÁzYESÁ®YES
Á
NO
ÁNO
Á®NO
Á- NOÁzYESÁ®YES
ÁNO¾ÁeO
Â3ZONE3Â-7A-3F40Â• 7A85-3F40Â-7A-3F41Â(7A85-3F41

ÂNO
Â ®NO
Â
-NOÂzYESÂ®YES
Â
NO
ÂNO
Â®NO
Â-NOÂzYESÂ®YES
ÂNO¾ÃeO
ÂbZONE4Ã27A-423DÃ+ 7A85-423DÃ27A-423CÃ@ 7A85-423C
Â°NO
Â ±NO
Â
²NO
Â|NO
Â±NO
Â
°NO
Â°NO
Â±NO
Â²NO
Â|NO
Â±NO
Â°NOÄeÖÄ~LEVELÄ,TOGGLEÄMAIN
Ä7A-86Ä™ 7A85-8679Ä7A-8678Äf 7A85-8678
ÄçNO
Ä !NO
Ä
ÏNOÄ¥YESÄ!YES
Ä
çNO
ÄçNO
Ä!NO
ÄÏNOÄ¥YESÄ!YES
ÄçNOÄÐÄcVOLUMEÖÄ&VOLUME
ÄÑUPÄ)MAIN
Ä)7A-1AÄ~ 7A85-1AE5Ä)7A-1AE4Ä(7A85-1AE4Ä©YESÄ °YESÄ
«YESÄ-YESÄ°YESÄ
©YESÄ©YESÄ°YESÄ«YESÄ-YESÄ°YESÄ©YES¾Äe*¿
Æ3ZONE2
Æ-7A-DAÆ• 7A85-DA25Æ-7A-DA24Æ(7A85-DA24ÆYESÆ ®YESÆ
-YESÆzYESÆ®YESÆ
YESÆYESÆ®YESÆ-YESÆzYESÆ®YESÆYES¾Äe*¿
Ç3ZONE3
Ç-7A-FDÇ• 7A85-FD02Ç-7A-FD03Ç(7A85-FD03
ÇNO
Ç ®NO
Ç
-NOÇzYESÇ®YES
Ç
NO
ÇNO
Ç®NO

Ç NOÇzYESÇ®YES

ÇNO¾Ëc*À

È7ZONE4

È27A-2BÈ+ 7A85-2BD4È27A-2BD5È@ 7A85-2BD5

È°NO

È ±NO

È

²NO

È|NO

È±NO

È

°NO

È°NO

È±NO

È²NO

È|NO

È±NO

È°NO¾

Ée*É¾DOWNÉ5MAIN

É57A-1BÉ€ 7A85-1BE4É57A-1BE5É4 7A85-1BE5É³YESÉ `YESÉ

µYESÉwYESÉ`YESÉ

³YESÉ³YESÉ`YESÉµYESÉwYESÉ`YESÉ³YES¾Ëe*¿

È3ZONE2

È-7A-DBÈ• 7A85-DB24È-7A-DB25È(7A85-DB25ÈYESÈ ®YESÈ

-YESÈzYESÈ®YESÈ

YESÈYESÈ®YESÈ-YESÈzYESÈ®YESÈYES¾Ëe*¿

È3ZONE3

È-7A-FEÈ• 7A85-FE01È-7A-FE00È(7A85-FE00

ÈNO

È ®NO

È

-NOÈzYESÈ®YES

È

NO

ÈNO

È®NO

È-NOÈzYESÈ®YES

ÈNO¾Ëe*¿

Ì7ZONE4

Ì;7A-2CÌ/ 7A85-2CD3Ì;7A-2CD2ÌÈ 7A85-2CD2

Ì°NO

Ì »NO

Ì

¼NO

Ì½NO

Ì»NO

Ì

°NO

Ì°NO

Ì»NO

Ì¼NO

Ì½NO

Ì»NO

Ì°NOÍeÍMUTEÍ¾TOGGLEÍ5MAIN

Í-7A-1CÍ• 7A85-1CE3Í-7A-1CE2Í(7A85-1CE2Í©YESÍ ^YESÍ

«YESÍ-YESÍ^YESÍ

©YESÍ©YESÍ^YESÍ«YESÍ-YESÍ^YESÍ©YES^{3/4}Íex;

Î3ZONE2

Î-7A-DCÎ• 7A85-DC23Î-7A-DC22Î(7A85-DC22ÎYESÎ ®YESÎ

- YESÎzYESÎ®YESÎ

YESÎYESÎ®YESÎ- YESÎzYESÎ®YESÎYES^{3/4}Íex;

ÏbZONE3

Ï-7A-FFÏ• 7A85-FF0Ï-7A-FF01Ï(7A85-FF01

ÏNO

Ï ®NO

Ï

-NOÏzYESÏ®YES

Ï

NO

ÏNO

Ï®NO

Ï-NOÏzYESÏ®YES

ÏNO^{3/4}ĐÁÒ

Đ7ZONE4

Đ;7A-2DD/ 7A85-2DD2Đ;7A-2DD3Đ@ 7A85-2DD3

Đ°NO

Đ ±NO

Đ

²NO

Đ|NO

Đ±NO

Đ

°NO

Đ°NO

Đ±NO

Đ²NO

Đ|NO

Đ±NO

Đ°NOÏñZ ZONE CONTROL

Ïñ,PARTYÏñ...TOGGLEÏñ±ALL

Ïñ±7A-34Ïñ... 7A85-34CBÏñ±7A-34CAÏñZ 7A85-34CA

Ïñ·NOÏñ ÓYESÏñ

ÔYESÏñcYESÏñÓYES

Ïñ

·NOÏñ·YESÏñÓYESÏñÔYESÏñcYESÏñÓYES

Ïñ·NOÏñVDISPLAYÒjDISPLA YÒjTOGGLEÒ)MAINÒ)7F01-60Ò~ 7F01-609FÒ) 7F01-609EÒ: 7F01-

609EÒ¶YESÒ·YESÒ

·YESÒ¹YESÒ·YESÒ

¶YESÒ¶YESÒ·YESÒ·YESÒ¹YESÒ·YESÒ¶YES^{3/4}Ói!!

Ó3ZONE2Ó37F01-80Ó} 7F01-807FÓ3 7F01-807EÓ, 7F01-807E

ÓNO

Ó ®NO

Ó

-NO

ÓzNO

Ó®NO

Ó

NO

ÓNO
Ó®NO
Ó-NO
ÓzNO
Ó®NO
ÓNO¾Ô?!!
Ô3ZONE3Ô37F01-A0Ô} 7F01-A05FÔ3 7F01-A05EÔ, 7F01-A05E
ÔNO
Ô ®NO
Ô
-NO
ÔzNO
Ô®NO
Ô
NO
ÔNO
Ô®NO
Ô-NO
ÔzNO
Ô®NO
ÔNO¾Ô?QQ
Ô7ZONE4Ô77F01-C0ÔY 7F01-C03FÔ7 7F01-C03EÔ6 7F01-C03E
Ô°NO
Ô »NO
Ô
¼NO
Ô½NO
Ô»NO
Ô
°NO
Ô°NO
Ô»NO
Ô¼NO
Ô½NO
Ô»NO
Ô°NO?ÔINFOÖTOGGLEÖ5MAINÖ57A-2758Ö€ 7A85-2758Ö57A-2759Ö4 7A85-2759Ö³YESÖ ´YESÖ
µYESÖwYESÖ´YESÖ
³YESÖ³YESÖ´YESÖµYESÖwYESÖ´YESÖ³YES¾x?!!
x3ZONE2x37A-2857x} 7A85-2857x37A-2856x, 7A85-2856
xNO
x ®NO
x
-NO
xzNO
x®NO
x
NO
xNO
x®NO
x-NO
xzNO
x®NO
xNO¾Øi!!
Ø3ZONE3Ø37A-2956Ø} 7A85-2956Ø37A-2957Ø, 7A85-2957

ØNO
Ø ®NO
Ø
-NO
ØzNO
Ø®NO
Ø
NO
ØNO
Ø®NO
Ø-NO
ØzNO
Ø®NO
ØNO¾Ûi!!
ÛbZONE4Ûb7A-2A55Û— 7A85-2A55Ûb7A-2A54Û1 7A85-2A54
Û°NO
Û »NO
Û
¼NO
Û½NO
Û»NO
Û
°NO
Û°NO
Û»NO
Û¼NO
Û½NO
Û»NO
Û°NOÖV OPERATIONÛjMODEÛjTOGGLEÛ)MAINÛ)7F01-66Û~ 7F01-6699Û) 7F01-6698Û: 7F01-6698Û¶YESÛ·YESÛ
·YESÛ¹YESÛ·YESÛ
¶YESÛ¶YESÛ·YESÛ YESÛ¹YESÛ·YESÛ¶YES¾Ûi!!
Û3ZONE2Û-7F01-86Û• 7F01-8679Û- 7F01-8678Û(7F01-8678
ÛNO
Û ®NOÛ
-YESÛzYESÛ®YES
Û
NO
ÛNO
Û®NOÛ- YESÛzYESÛ®YES
ÛNO¾Ûi!!
Û3ZONE3Û-7F01-A6Û• 7F01-A659Û- 7F01-A658Û(7F01-A658
ÛNO
Û ®NO
Û
-NOÛzYESÛ®YES
Û
NO
ÛNO
Û®NO
Û- NOÛzYESÛ®YES
ÛNO¾ÛiQ
Ý7ZONE4Ý;7F01-C6Ý/ 7F01-C639Ý; 7F01-C638ÝE 7F01-C638
Ý°NO

Ý »NO

Ý

¼NO

Ý½NO

Ý»NO

Ý

°NO

Ý°NO

Ý»NO

Ý¼NO

Ý½NO

Ý»NO

Ý°NOÞiÞSTOPÞP5MAINÞ-7F01-69Þ• 7F01-6996Þ- 7F01-6997Þ(7F01-6997Þ³YESÞ ´YESÞ
µYESÞwYESÞ´YESÞ

³YESÞ³YESÞ´YESÞµYESÞwYESÞ´YESÞ³YES¼ai*P

ß3ZONE2ß-7F01-89ß• 7F01-8976ß- 7F01-8977ß(7F01-8977ßYESß ®YESß
- YESßzYESß®YESß

YESßYESß®YESß- YESßzYESß®YESßYES¼ai*P

à3ZONE3à-7F01-A9à• 7F01-A956à- 7F01-A957à(7F01-A957
àNO

à ®NO

à

- NOàzYESà®YES

à

NO

àNO

à®NO

à- NOàzYESà®YES

àNO×Do'IDG#0#>#LQ@P!:'áãääæçèéèiíîïðñóôö÷øùúüýþ¼aiR

á7ZONE4á;7F01-C9á/ 7F01-C936á; 7F01-C937áE 7F01-C937

á°NO

á »NO

á

¼NO

á½NO

á»NO

á

°NO

á°NO

á»NO

á¼NO

á½NO

á»NO

á°NOâ?

âPAUSEââ-MAINâ57F01-67â€ 7F01-6798â5 7F01-6799â4 7F01-6799â³YESâ ´YESâ
µYESâwYESâ´YESâ

³YESâ³YESâ´YESâµYESâwYESâ´YESâ³YES¼ai*!

ã3ZONE2ã-7F01-87ã• 7F01-8778ã- 7F01-8779ã(7F01-8779ãYESã ®YESã
- YESãzYESã®YESã

YESãYESã®YESã- YESãzYESã®YESãYES¼ai*!

ä3ZONE3ä-7F01-A7ä• 7F01-A758ä- 7F01-A759ä(7F01-A759
äNO

ä ®NO

ä

- NOäzYESä®YES

ä

NO

äNO

ä®NO

ä- NOäzYESä®YES

äNO¾äi

ä7ZONE4ä;7F01-C7â/ 7F01-C738â; 7F01-C739âE 7F01-C739

ä°NO

ä »NO

ä

¼NO

ä½NO

ä»NO

ä

°NO

ä°NO

ä»NO

ä¼NO

ä½NO

ä»NO

ä°NOæ?æPLAYææ5MAINæ57F01-68æ€ 7F01-6897æ5 7F01-6896æ4 7F01-6896æ³YESæ ^YESæ

µYESæwYESæ ^YESæ

³YESæ³YESæ ^YESæµYESæwYESæ ^YESæ³YES¾çi*!

ç3ZONE2ç-7F01-88ç• 7F01-8877ç- 7F01-8876ç(7F01-8876çYESç ®YESç

- YESçzYESç®YESç

YESçYESç®YESç- YESçzYESç®YESçYES¾èi*!

è3ZONE3è-7F01-A8è• 7F01-A857è- 7F01-A856è(7F01-A856

èNO

è ®NO

è

- NOèzYESè®YES

è

NO

èNO

è®NO

è- NOèzYESè®YES

èNO¾éi

é7ZONE4é;7F01-C8é/ 7F01-C837é; 7F01-C836éE 7F01-C836

é°NO

é »NO

é

¼NO

é½NO

é»NO

é

°NO

é°NO

é»NO

é¼NO

é½NO

é»NO

é°NOèièSEARCHèSEARCH-è5MAINè57F01-6Aè€ 7F01-6A95è5 7F01-6A94è4 7F01-6A94è³YESè ^YESè

µYESèwYESè ^YESè

³YESê³YESê´YESêµ YESêwYESê´YESê³YESëi

ë*or

ë!or

ë3ZONE2ë-7F01-8Aë• 7F01-8A75ë- 7F01-8A74ë(7F01-8A74ëYESë ®YESë

- YESëzYESë®YESë

YESëYESë®YESë- YESëzYESë®YESëYESiï*HOLDi!HOLD

ì3ZONE3ì-7F01-AAì• 7F01-AA55ì- 7F01-AA54ì(7F01-AA54

ìNO

ì ®NO

ì

- NOìzYESì®YES

ì

NO

ìNO

ì®NO

ì- NOìzYESì®YES

ìNOí

í*orí

í7ZONE4í;7F01-CAí/ 7F01-CA35í; 7F01-CA34íE 7F01-CA34

í°NO

í »NO

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¼NO

½NO

í»NO

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°NO

í°NO

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½NO

í»NO

í°NOíï*TAGíSEARCH+í-MAINí57F01-6Bí€ 7F01-6B94í5 7F01-6B95í4 7F01-6B95í³YESí´YESí

µ YESíwYESí´YESí

³YESí³YESí´YESíµ YESíwYESí´YESí³YES¾

íï*

í!or

í3ZONE2í-7F01-8Bí• 7F01-8B74í- 7F01-8B75í(7F01-8B75íYESí ®YESí

- YESízYESí®YESí

YESíYESí®YESí- YESízYESí®YESíYES¾

ðí*ð!TAG

ð3ZONE3ð-7F01-ABð• 7F01-AB54ð- 7F01-AB55ð(7F01-AB55

ðNO

ð ®NO

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- NOðzYESð®YES

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NO

ðNO

ð®NO

ð- NOðzYESð®YES

ðNO¾ñi!

ñ7ZONE4ñ;7F01-CBñ/ 7F01-CB34ñ; 7F01-CB35ñE 7F01-CB35

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ñ°NOðìðSKIP/PRG SELECT

ðSKIP-ð-MAINð57F01-6Cð€7F01-6C93ð5 7F01-6C92ð4 7F01-6C92ð³YESð ^YESð

μYESðwYESð^YESð

³YESð³YESð^YESðμYESðwYESð^YESð³YES¾

ó!*Ö

ó!or

ó3ZONE2ó-7F01-8Có• 7F01-8C73ó- 7F01-8C72ó(7F01-8C72óYESó @YESó

- YESózYESó@YESó

YESóYESó@YESó- YESózYESó@YESóYES¾

ô!*ô!PRG SELECT-

ô3ZONE3ô-7F01-ACô• 7F01-AC53ô- 7F01-AC52ô(7F01-AC52

ôNO

ô ®NO

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- NOôzYESô@YES

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NO

ôNO

ô@NO

ô- NOôzYESô@YES

ôNO¾ôï*

õ7ZONE4õ;7F01-CCõ/ 7F01-CC33õ; 7F01-CC32õE 7F01-CC32

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öSKIP+ö5MAINö57F01-6Dö€7F01-6D92ö5 7F01-6D93ö4 7F01-6D93ö³YESö ^YESö

μYESöwYESö^YESö

³YESö³YESö^YESöμYESöwYESö^YESö³YES¾

÷!*Ö

÷!or

÷3ZONE2÷-7F01-8D÷• 7F01-8D72÷- 7F01-8D73÷(7F01-8D73÷YES÷ ®YES÷

- YES÷zYES÷®YES÷

YES÷ YES÷®YES÷- YES÷zYES÷®YES÷ YES¾

øi*ø!PRG SELECT+

ø3ZONE3ø-7F01-ADø• 7F01-AD52ø- 7F01-AD53ø(7F01-AD53

øNO

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- NOøzYESø®YES

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NO

øNO

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ø- NOøzYESø®YES

øNO¾üi.Q

ù7ZONE4ù;7F01-CDù/ 7F01-CD32ù; 7F01-CD33ùE 7F01-CD33

ù°NO

ù »NO

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ù°NOúíúPRESETúPRESET-ú5MAINú- 7F01-5E21ú• 7F01-5E21ú- 7F01-5E20ú(7F01-5E20ú³YESú `YESú

μ YESúwYESú `YESú

³YESú³YESú `YESúμ YESúwYESú `YESú³YES¾üi*!

û3ZONE2û- 7F01-5F20û• 7F01-5F20û- 7F01-5F21û(7F01-5F21ûYESû ®YESû

- YESûzYESû®YESû

YESû YESû®YESû- YESûzYESû®YESû YES¾üi*!

ü3ZONE3ü- 7F01-601Fü• 7F01-601Fü- 7F01-601Eü(7F01-601E

üNO

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- NOüzYESü®YES

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NO

üNO

ü®NO

ü- NOüzYESü®YES

üNO¾ý?*Q

ý;ZONE4ý2 7F01-6B14ý+ 7F01-6B14ý2 7F01-6B15ý@ 7F01-6B15

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þi*þPRESET+þ-MAINþ5 7F01-5B24þ€ 7F01-5B24þ5 7F01-5B25þ4 7F01-5B25þ³YESþ ^YESþ
µ YESþwYESþ^YESþ
³YESþ³YESþ^YESþµ YESþwYESþ^YESþ³YES¾yi*!
ÿ3ZONE2ÿ- 7F01-5C23ÿ• 7F01-5C23ÿ- 7F01-5C22ÿ(7F01-5C22ÿYESÿ @YESÿ
- YESÿzYESÿ@YESÿ
YESÿYESÿ@YESÿ- YESÿzYESÿ@YESÿYES¾4i*!
bZONE3- 7F01-5D22• 7F01-5D22- 7F01-5D23(7F01-5D23
NO
®NO

-NOzYES@YES

NO
NO
®NO
-NOzYES@YES
NOxD2(1;:'E=9-B3,L64564G)!9)

¾?.Q
7ZONE4; 7F01-6A15/ 7F01-6A15; 7F01-6A14E 7F01-6A14
°NO
»NO

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CATEGORY/BAND
FM5MAIN5 7F01-5827€ 7F01-58275 7F01-58264 7F01-5826³YES ^YES
µ YESwYES^YES
³YES³YES^YESµ YESwYES^YES³YES¾
i*Ö
!or
3ZONE23 7F01-5926} 7F01-59263 7F01-5927, 7F01-5927YES @YES
- YESzYES@YES
YESYES@YES- YESzYES@YESYES¾
i*! CATEGORY-
3ZONE33 7F01-5A25} 7F01-5A253 7F01-5A24, 7F01-5A24
-NO
®NO

-NOzYES@YES

NO

NO

@NO

-NOzYES@YES

NO^{3/4}i*!

bZONE4b 7F01-7D02— 7F01-7D02b 7F01-7D031 7F01-7D03

°NO

»NO

1/4NO

1/2NO

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°NO

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°NO^{3/4}

?!

AM5MAIN5 7F01-552A€ 7F01-552A5 7F01-552B4 7F01-552B³YES ^YES

μYESwYES^YES

³YES³YES^YESμYESwYES^YES³YES^{3/4}

?!Ö

!or

3ZONE23 7F01-5629} 7F01-56293 7F01-5628, 7F01-5628YES @YES

-YESzYES@YES

YESYES@YES^-YESzYES@YESYES^{3/4}

?!Ö! CATEGORY+

3ZONE33 7F01-5728} 7F01-57283 7F01-5729, 7F01-5729

NO

@NO

-NOzYES@YES

NO

NO

@NO

-NOzYES@YES

NO^{3/4} ?QQ

7ZONE4 7 7F01-7C03 Y 7F01-7C03 7 7F01-7C02 6 7F01-7C02

°NO

»NO

1/4NO

1/2NO

»NO

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»NO
°NO

i

* TUNING/CH

!TUNING-
5MAIN

5 7F01-641B

€ 7F01-641B

5 7F01-641A

4 7F01-641A

³YES

^YES

μYES

wYES

^YES

³YES

³YES

^YES

μYES

wYES

^YES

³YES¾

i!Ö

!or

3ZONE23 7F01-651A} 7F01-651A3 7F01-651B, 7F01-651BYES ®YES

- YESzYES®YES

YESYES®YES- YESzYES®YESYES¾

i!!CH-

3ZONE33 7F01-6619} 7F01-66193 7F01-6618, 7F01-6618

NO

®NO

- NOzYES®YES

NO

NO

®NO

- NOzYES®YES

NO¾

i!!

bZONE4

b 7F01-7F00

— 7F01-7F00

b 7F01-7F01

1 7F01-7F01

°NO

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i”TUNING+5MAIN5 7F01-611E€ 7F01-611E5 7F01-611F4 7F01-611F³YES `YES

μYESwYES`YES

³YES³YES`YESμYESwYES`YES³YES¾

i*Ö

!or

3ZONE23 7F01-621D} 7F01-621D3 7F01-621C, 7F01-621CYES ®YES

- YESzYES®YES

YESYES®YES- YESzYES®YESYES¾

i*Ö!CH+

3ZONE33 7F01-631C} 7F01-631C3 7F01-631D, 7F01-631D

NO

®NO

- NOzYES®YES

NO

NO

®NO

- NOzYES®YES

NO¾“ST

kZONE4k 7F01-7E01- 7F01-7E01k 7F01-7E00` 7F01-7E00

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ÄNOVNUMBER/CHARACTER~
jð?j)MAIN)7F01-51~ 7F01-51AE) 7F01-51AF: 7F01-51AF¶YES ·YES
_YES¹YES·YES
¶YES¶YES·YES,YES¹YES·YES¶YES¾@!!
3ZONE237F01-71} 7F01-718E3 7F01-718F, 7F01-718FYES ®YES
-YESzYES®YES
YESYES®YES-YESzYES®YESYES¾@!!
3ZONE337F01-91} 7F01-916E3 7F01-916F, 7F01-916F
NO
®NO

-NOzYES®YES

NO
NO
®NO
-NOzYES®YES
NO¾@QQ
7ZONE477F01-B1Y 7F01-B14E7 7F01-B14F6 7F01-B14F
°NO
»NO

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°NO?~
@5MAIN57F01-52€7F01-52AD5 7F01-52AC4 7F01-52AC³YES ^YES
µYESwYES^YES
³YES³YES^YESµYESwYES^YES³YES¾@!!
3ZONE237F01-72} 7F01-728D3 7F01-728C, 7F01-728CYES ®YES
-YESzYES®YES
YESYES®YES-YESzYES®YESYES¾@!!
3ZONE337F01-92} 7F01-926D3 7F01-926C, 7F01-926C
NO
®NO

-NOzYES®YES

NO
NO
®NO
-NOzYES®YES
NO¾@QQ
7ZONE477F01-B2Y 7F01-B24D7 7F01-B24C6 7F01-B24C

°NO
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°NO?~
@5MAIN57F01-53€7F01-53AC5 7F01-53AD4 7F01-53AD³YES ^YES
μYESwYES^YES
³YES³YES^YESμYESwYES^YES³YES¾@!!
3ZONE237F01-73} 7F01-738C3 7F01-738D, 7F01-738DYES ®YES
-YESzYES®YES
YESYES®YES^YESzYES®YESYES¾@!!
3ZONE337F01-93} 7F01-936C3 7F01-936D, 7F01-936D
NO
®NO

-NOzYES®YES

NO
NO
®NO
-NOzYES®YES
NO¾@QQ
7ZONE477F01-B3Y 7F01-B34C7 7F01-B34D6 7F01-B34D
°NO
»NO

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°NO?~
@5MAIN57F01-54€7F01-54AB5 7F01-54AA4 7F01-54AA³YES ^YES
μYESwYES^YES
³YES³YES^YESμYESwYES^YES³YES¾@!!
3ZONE237F01-74} 7F01-748B3 7F01-748A, 7F01-748AYES ®YES
-YESzYES®YES
YESYES®YES^YESzYES®YESYES¾ @!!
3ZONE3 37F01-94 } 7F01-946B 3 7F01-946A , 7F01-946A
NO

®NO

-NO zYES ®YES

NO

NO

®NO

-NO zYES ®YES

NO×D(II84487J8.981J'8'8'8'!"#\$%&'()*+,-./0123456789:;<=>?@¾!@QQ

!7ZONE4!77F01-B4!Y 7F01-B44B!7 7F01-B44A!6 7F01-B44A

!°NO

! »NO

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¼NO

!½NO

!»NO

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°NO

!°NO

!»NO

!¼NO

!½NO

!»NO

!°NO"?~

"@""5MAIN"57F01-55"€ 7F01-55AA"5 7F01-55AB"4 7F01-55AB"³YES" ^YES"

μYES"wYES" ^YES"

³YES"³YES" ^YES"μYES"wYES" ^YES"³YES¾#@!!

#3ZONE2#37F01-75#} 7F01-758A#3 7F01-758B#, 7F01-758B#YES# ®YES#

-YES#zYES#®YES#

YES#YES#®YES# ^YES#zYES#®YES#YES¾\$@!!

\$3ZONE3\$37F01-95\$} 7F01-956A\$3 7F01-956B\$, 7F01-956B

\$NO

\$ ®NO

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-NO\$zYES\$®YES

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NO

\$NO

\$®NO

\$-NO\$zYES\$®YES

\$NO¾% @QQ

%7ZONE4%77F01-B5%Y 7F01-B54A%7 7F01-B54B%6 7F01-B54B

%°NO

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%°NO&?~
&@&&5MAIN&57F01-56&€ 7F01-56A9&5 7F01-56A8&4 7F01-56A8&³YES& `YES&
μYES&wYES&`YES&
³YES&³YES&`YES&μYES&wYES&`YES&³YES¾'@!!
'3ZONE2'37F01-76'} 7F01-7689'3 7F01-7688', 7F01-7688'YES' ®YES'
- YES'zYES'®YES'
YES'YES'®YES'- YES'zYES'®YES'YES¾(@!!
(3ZONE3(37F01-96({ 7F01-9669(3 7F01-9668(, 7F01-9668
(NO
(®NO
(
-NO(zYES(®YES
(
NO
(NO
(®NO
(-NO(zYES(®YES
(NO¾)@QQ
)7ZONE4)77F01-B6)Y 7F01-B649)7 7F01-B648)6 7F01-B648
)°NO
) »NO
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¼NO
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°NO
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)¼NO
)½NO
)»NO
)°NO*?~
*@**5MAIN*57F01-57*€ 7F01-57A8*5 7F01-57A9*4 7F01-57A9*³YES* `YES*
μYES*wYES*`YES*
³YES*³YES*`YES*μYES*wYES*`YES*³YES¾+@!!
+3ZONE2+37F01-77+} 7F01-7788+3 7F01-7789+, 7F01-7789+YES+ ®YES+
- YES+zYES+®YES+
YES+YES+®YES+- YES+zYES+®YES+YES¾,@!!
,3ZONE3,37F01-97,} 7F01-9768,3 7F01-9769,, 7F01-9769
,NO
, ®NO
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-NO,zYES,®YES
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NO
,NO
,®NO
,-NO,zYES,®YES
,NO¾-@QQ
-7ZONE4-77F01-B7-Y 7F01-B748-7 7F01-B749-6 7F01-B749
-°NO
- »NO

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¼NO
-½NO
-»NO
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°NO
-°NO
-»NO
-¼NO
-½NO
-»NO
-°NO.?~
. @.5MAIN.57F01-58.€ 7F01-58A7.5 7F01-58A6.4 7F01-58A6.³YES. ^YES.
μYES.wYES.^YES.
³YES.³YES.^YES.μYES.wYES.^YES.³YES¾/@!!
/3ZONE2/37F01-78/} 7F01-7887/3 7F01-7886/, 7F01-7886/YES/ ®YES/
- YES/zYES/®YES/
YES/YES/®YES/^ YES/zYES/®YES/YES¾0@!!
03ZONE3037F01-980} 7F01-986703 7F01-98660, 7F01-9866
0NO
0 ®NO
0
- NO0zYES0®YES
0
NO
0NO
0®NO
0- NO0zYES0®YES
0NO¾1@QQ
17ZONE4177F01-B81Y 7F01-B84717 7F01-B84616 7F01-B846
1°NO
1 »NO
1
¼NO
1½NO
1»NO
1
°NO
1°NO
1»NO
1¼NO
1½NO
1»NO
1°NO2?~
2"@225MAIN257F01-592€ 7F01-59A625 7F01-59A724 7F01-59A72³YES2 ^YES2
μYES2wYES2^YES2
³YES2³YES2^YES2μYES2wYES2^YES2³YES¾3@!!
33ZONE2337F01-793} 7F01-798633 7F01-79873, 7F01-79873YES3 ®YES3
- YES3zYES3®YES3
YES3YES3®YES3^ YES3zYES3®YES3YES¾4@!!
43ZONE3437F01-994} 7F01-996643 7F01-99674, 7F01-9967
4NO
4 ®NO
4

-NO4zYES4@YES

4

NO

4NO

4@NO

4^-NO4zYES4@YES

4NO¾5@QQ

57ZONE4577F01-B95Y 7F01-B94657 7F01-B94756 7F01-B947

5°NO

5 »NO

5

¼NO

5½NO

5»NO

5

°NO

5°NO

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5°NO6?~

6665MAIN657F01-5A6€ 7F01-5AA565 7F01-5AA464 7F01-5AA46³YES6 ^YES6

µYES6wYES6^YES6

³YES6³YES6^YES6µYES6wYES6^YES6³YES¾7@!!

73ZONE2737F01-7A7} 7F01-7A8573 7F01-7A847, 7F01-7A847YES7 @YES7

-YES7zYES7@YES7

YES7YES7@YES7^-YES7zYES7@YES7YES¾8@!!

83ZONE3837F01-9A8} 7F01-9A6583 7F01-9A648, 7F01-9A64

8NO

8 @NO

8

-NO8zYES8@YES

8

NO

8NO

8@NO

8^-NO8zYES8@YES

8NO¾9@QQ

97ZONE4977F01-BA9Y 7F01-BA4597 7F01-BA4491 7F01-BA44

9°NO

9 ±NO

9

²NO

9|NO

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9°NO

9±NO

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9»NO

9°NO:?:Õ+10::5MAIN:57F01-5B:€ 7F01-5BA4:5 7F01-5BA5:4 7F01-5BA5

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: NO
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μNO
:wNO
:NO
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³NO
:³NO
:NO
:μNO
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:NO
:³NO¾;@!!
;3ZONE2;37F01-7B;} 7F01-7B84;3 7F01-7B85;, 7F01-7B85
;NO
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<3ZONE3<37F01-9B<} 7F01-9B64<3 7F01-9B65<, 7F01-9B65
<NO
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NO
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<NO¾=@QQ
=7ZONE4=77F01-BB=Y 7F01-BB44=7 7F01-BB45=6 7F01-BB45
=°NO
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FullCode(ID1); Code(ID2)¢
FullCode(ID2)§RX-A710 ¨RX-A810
¤RX-A1010§RX-A2010¨RX-A3010
§RX-V671§RX-V771¨RX-V871¤RX-V1071§RX-V2071¨RX-V3071§HTR-6064
dPOWER
POWER
+ON)MAIN
Ù7E-7E• 7E81-7E81)7E-7E80: 7E81-7E80¶YES ·YES
,YES¹YES·YES
¶YES¶YES·YES,YES¹YES·YES¶YES¾d+
3ZONE2
Ù7E-BA• 7E81-BA45-7E-BA44(7E81-BA44YES ®YES
-YESzYES®YES
YESYES®YES-YESzYES®YESYES¾d+
3ZONE3
Ù7A-ED• 7A85-ED12-7A-ED13(7A85-ED13
NO
®NO
-NOzYES®YES
NO
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®NO
-NOzYES®YES
NO¾d+
3ZONE4
Ù7A-7B• 7A85-7B84-7A-7B85(7A85-7B85
NO
®NO
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zNO®YES
NO¾d+7ALL
Ü7A-1DY 7A85-1DE277A-1DE37 7A85-1DE3°YES ±YES
²YES|YES±YES
°YES°YES±YES²YES|YES±YES°YES d ^STANDBY 0OFF 5MAIN
Ù7E-7F • 7E81-7F80 -7E-7F81 (7E81-7F81 ³YES ^YES
μYES wYES ^YES
³YES ³YES ^YES μYES wYES ^YES ³YES¾
d+
3ZONE2
Ù7E-BB
• 7E81-BB44
-7E-BB45
(7E81-BB45

YES
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- YES
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®YES

YES
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3ZONE3
Û7A-EE• 7A85-EE11-7A-EE10(7A85-EE10
NO
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- NOzYES®YES

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NO
®NO
- NOzYES®YES
NO^¾d+
3ZONE4
Û7A-7C• 7A85-7C83-7A-7C82(7A85-7C82
NO
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zNO®YES

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SLEEP+TOGGLE2ALL
Û7A-57+ 7A85-57A827A-57A9@ 7A85-57A9YES ®YES
- YESzYES®YES
YESYES®YES- YESzYES®YESYES¾
d
8ON5MAINÚ7E-1669€ 7E81-166957E-16684 7E81-1668³YES `YES
µYESwYES`YES
³YES³YES`YESµYESwYES`YES³YES¾dO
3ZONE2Û7E-1768• 7E81-1768-7E-1769(7E81-1769YES ®YES
- YESzYES®YES
YESYES®YES- YESzYES®YESYES¾dO
3ZONE3Û7E-1867• 7E81-1867-7E-1866(7E81-1866
NO
®NO
- NOzYES®YES
NO
NO
®NO
- NOzYES®YES
NO¾dO
3ZONE4Û7E-1966• 7E81-1966-7E-1967(7E81-1967
NO
®NO
- NO
zNO®YES
NO
NO
®NO
- NO
zNO®YES
NO¾dM7ALLÝ7E-1A65/ 7E81-1A65;7E-1A64E 7E81-1A64°YES »YES
¼YES½YES»YES
°YES°YES»YES¼YES½YES»YES°YES¾
dO OFF-MAINÛ7E-1B64• 7E81-1B64-7E-1B65(7E81-1B65³YES `YES
µYESwYES`YES
³YES³YES`YESµYESwYES`YES³YES¾dO
3ZONE2Û7E-1C63• 7E81-1C63-7E-1C62(7E81-1C62YES ®YES
- YESzYES®YES
YESYES®YES- YESzYES®YESYES¾dO
3ZONE3Û7E-1D62• 7E81-1D62-7E-1D63(7E81-1D63
NO
®NO

¬NOzYES®YES

NO

NO

®NO

¬NOzYES®YES

NO¾dO

3ZONE4Û7E-1E61• 7E81-1E61-7E-1E60(7E81-1E60

NO

®NO

¬NO

zNO®YES

NO

NO

®NO

¬NO

zNO®YES

NO¾dM7ALL

Ý7E-B3/ 7E81-B34C;7E-B34DE 7E81-B34D°YES »YES

¼YES½YES»YES

°YES°YES»YES¼YES½YES»YES°YES¾

dH120min-ALL

Û7E-B4• 7E81-B44B-7E-B44A(7E81-B44A³YES ^YES

µYESwYES^YES

³YES³YES^YESµYESwYES^YES³YES¾

d

I90min3ALL

Û7E-B5• 7E81-B54A-7E-B54B(7E81-B54BYES ®YES

¬YESzYES®YES

YESYES®YES¬YESzYES®YESYES¾

d

I60min3ALL

Û7E-B6• 7E81-B649-7E-B648(7E81-B648YES ®YES

¬YESzYES®YES

YESYES®YES¬YESzYES®YESYES¾

i_

s30minkALL

Û7E-B7+ 7E81-B74827E-B749@ 7E81-B749°YES ±YES

²YES|YES±YES

°YES°YES±YES²YES|YES±YES°YES

dINPUT^ AUDIO SELKAUTO5MAIN

Ø7E-A6~ 7E81-A659)7E-A658: 7E81-A658

¶NO

·NO

¸YES¹YES·YES

¶NO

¶NO

·NO¸YES¹YES·YES

¶NO¾

dIHDMIbMAIN

Û7E-DA• 7E81-DA25-7E-DA24(7E81-DA24

NO
®NO
- YESzYES®YES

NO
NO
®NO- YESzYES®YES
NO¾
dICOAX/OPT3MAIN
Û7E-A9• 7E81-A956-7E-A957(7E81-A957
NO
®NO
- YESzYES®YES

NO
NO
®NO- YESzYES®YES
NO¾
d JANALOG bMAIN
Û7E-AA + 7E81-AA55 27E-AA54 @ 7E81-AA54
°NO
±NO
¼YES ½YES »YES

°NO
°NO
±NO ¼YES ½YES »YES
°NO×Dá%l+'B#!>#!>0%#1%!1000B*.!"#\$\$%&'()*+,-./012345678 9:;<=>?@!d!^ SUB INPUT!8PC/MCX!5MAIN!
Û 7F01-6C13!€ 7F01-6C13!5 7F01-6C12!4 7F01-6C12!³YES! ^YES!
«YES!¬YES!ªYES!

³YES!³YES! ^YES!«YES!¬YES!ªYES!³YES¾"dO
"bZONE2"Û 7F01-6D12"• 7F01-6D12"- 7F01-6D13"(7F01-6D13"YES" ®YES"
- YES"zYES"®YES"
YES"YES"®YES"- YES"zYES"®YES"YES¾#dO
#3ZONE3#Û 7F01-6E11#• 7F01-6E11#- 7F01-6E10#(7F01-6E10
#NO
®NO

- NO#zYES#®YES
#

NO
#NO
#®NO
#- NO#zYES#®YES
#NO¾\$dO
\$bZONE4\$Û 7F01-7807\$+ 7F01-7807\$2 7F01-7806\$@ 7F01-7806
\$°NO
\$ ±NO
\$
²NO
\$½NO
\$»NO
\$
°NO

\$°NO
\$±NO
\$²NO
\$½NO
\$»NO
\$°NO¾
%d%8 NET RADIO%5MAIN%Ú 7F01-6F10%€ 7F01-6F10%5 7F01-6F11%4 7F01-6F11%³YES%
`YES%
µYES%wYES%`YES%
³YES%³YES%`YES%µYES%wYES%`YES%³YES¾&dO
&bZONE2&Ú 7F01-700F&• 7F01-700F&- 7F01-700E&(7F01-700E&YES& ®YES&
-YES&zYES&®YES&
YES&YES&®YES&-YES&zYES&®YES&YES¾'dO
'3ZONE3'Ú 7F01-710E'• 7F01-710E'- 7F01-710F'(7F01-710F
'NO
' ®NO
,
-NO'zYES'®YES
,
NO
'NO
'®NO
'-NO'zYES'®YES
'NO¾(dO
(bZONE4(Ú 7F01-7906(+ 7F01-7906(2 7F01-7907(@ 7F01-7907
(°NO
(±NO
(
²NO
(½NO
(»NO
(
°NO
(°NO
(±NO
(²NO
(½NO
(»NO
(°NO¾
)d)8Rhapsody)5MAIN)Ú 7F01-750A)€ 7F01-750A)5 7F01-750B)4 7F01-750B)³YES) `YES)
µYES)wYES)`YES)
³YES)³YES)`YES)µYES)wYES)`YES)³YES¾*dO
*bZONE2*Ú 7F01-7609*• 7F01-7609*- 7F01-7608*(7F01-7608*YES* ®YES*
-YES*zYES*®YES*
YES*YES*®YES*-YES*zYES*®YES*YES¾+dO
+3ZONE3+Ú 7F01-7708+• 7F01-7708+- 7F01-7709+(7F01-7709
+NO
+ ®NO
+
-NO+zYES+®YES
+
NO
+NO
+®NO

+^-NO+zYES+®YES

+NO¾,dO

,bZONE4,Û 7F01-7B04,+ 7F01-7B04,2 7F01-7B05,@ 7F01-7B05

,°NO

, ±NO

,

²NO

,½NO

,»NO

,

°NO

,°NO

,±NO

,²NO

,½NO

,»NO

,°NO¾

-d-8SIRIUS Internet-5MAIN-Û 7F01-81FE-€ 7F01-81FE-5 7F01-81FF-4 7F01-81FF-³YES- ^YES-
µYES-wYES- ^YES-

³YES-³YES- ^YES-µYES-wYES- ^YES-³YES¾

.d

.ORadio

.bZONE2,Û 7F01-82FD,• 7F01-82FD,- 7F01-82FC,(7F01-82FC.YES. ®YES.

- YES.zYES.®YES.

YES.YES.®YES.- YES.zYES.®YES.YES¾/dO

/3ZONE3/Û 7F01-83FC/• 7F01-83FC/- 7F01-83FD/(7F01-83FD

/NO

/ ®NO

/

-NO/zYES/®YES

/

NO

/NO

/®NO

/-NO/zYES/®YES

/NO¾dO

0bZONE40Û 7F01-84FB0+ 7F01-84FB02 7F01-84FA0@ 7F01-84FA

0°NO

0 ±NO

0

²NO

0½NO

0»NO

0

°NO

0°NO

0±NO

0²NO

0½NO

0»NO

0°NO¾

1d18Pandora15MAIN1Û 7F01-85FA1€ 7F01-85FA15 7F01-85FB14 7F01-85FB1³YES1 ^YES1

µYES1wYES1 ^YES1

³YES1³YES1 ^YES1µYES1wYES1 ^YES1³YES¾dO

2bZONE22Û 7F01-86F92• 7F01-86F92- 7F01-86F82(7F01-86F82YES2 ®YES2
- YES2zYES2®YES2

YES2YES2®YES2- YES2zYES2®YES2YES3¼3dO

33ZONE33Û 7F01-87F83• 7F01-87F83- 7F01-87F93(7F01-87F9

3NO

3 ®NO

3

- NO3zYES3®YES

3

NO

3NO

3®NO

3- NO3zYES3®YES

3NO¾4dO

4bZONE44Û 7F01-88F74+ 7F01-88F742 7F01-88F64@ 7F01-88F6

4°NO

4 ±NO

4

²NO

4½NO

4»NO

4

°NO

4°NO

4±NO

4²NO

4½NO

4»NO

4°NO¾

5d58Napster55MAIN5Û 7F01-89F65€ 7F01-89F655 7F01-89F754 7F01-89F75³YES5 ^YES5

µYES5wYES5 ^YES5

³YES5³YES5 ^YES5µYES5wYES5 ^YES5³YES5¾6dO

6bZONE26Û 7F01-8AF56• 7F01-8AF56- 7F01-8AF46(7F01-8AF46YES6 ®YES6

- YES6zYES6®YES6

YES6YES6®YES6- YES6zYES6®YES6YES¾7dO

73ZONE37Û 7F01-8BF47• 7F01-8BF47- 7F01-8BF57(7F01-8BF5

7NO

7 ®NO

7

- NO7zYES7®YES

7

NO

7NO

7®NO

7- NO7zYES7®YES

7NO¾8dä

8kZONE48P 7F01-8CF38š 7F01-8CF38a 7F01-8CF28œ 7F01-8CF2

8ÄNO

8 ÅNO

8

²NO

8½NO

8»NO

8

ÄNO
8ÄNO
8ÄNO
8²NO
8½NO
8»NO
8ÄNO9'OUTPUT9uHDMI OUT9GOFF9)MAIN9Ø7E-82FD9~ 7E81-82FD9)7E-82FC9: 7E81-82FC9¶YES9
·YES9
_YES9¹YES9·YES9
¶YES9¶YES9·YES9 YES9¹YES9·YES9¶YES¾
:d:I1 or ON:3MAIN:Û7E-205F:• 7E81-205F:-7E-205E:(7E81-205E:YES: ®YES:
-YES:zYES:®YES:
YES:YES:®YES:-YES:zYES:®YES:YES¾
;d~
;I@;3MAIN;Û7E-215E;• 7E81-215E;-7E-215F;(7E81-215F
;NO; ®YES;
-YES;zYES;®YES
;
NO;YES;®YES;-YES;zYES;®YES
;NO¾
<ð_<s1 and 2<kMAIN<P7E-AAD5<š 7E81-AAD5<a7E-AAD4<œ 7E81-AAD4
<ÄNO< ÅYES<
ÆYES<ÇYES<ÅYES
<
ÄNO<ÄYES<ÅYES<ÆYES<ÇYES<ÅYES
<ÄNO=dVOLUME
=xMUTE
=ôON=5MAIN
=Û7E-A2=€ 7E81-A25D=57E-A25C=4 7E81-A25C=³YES= ^YES=
µYES=wYES=^YES=
³YES=³YES=^YES=µYES=wYES=^YES=³YES¾
>dx>ô(FULL)
>bZONE2
>Û7E-A0>• 7E81-A05F>-7E-A05E>(7E81-A05E>YES> ®YES>
-YES>zYES>®YES>
YES>YES>®YES>-YES>zYES>®YES>YES¾?dxô
?bZONE3?Û±ñ-ø©µ: ?+ 7E81-26D9?27E-26D8?@ 7E81-26D8
?NO
? ®NO
?
-NO?zYES?®YES
?
NO
?NO
?®NO
?-NO?zYES?®YES
?NO¾@dxô
@bZONE4@B7E-0C73@} 7E81-0C73@37E-0C72@, 7E81-0C72
@NO
@ ®NO
@
-NO
@zNO
@®NO

@
NO
@NO
@®NO
@~NO
@zNO
@®NO
@NO×Dò'I!)!;!A8!9)!9)!I5-2C3ABCDEF GHIJKLMNOP QR STUVWXYZ[\\^_`³¼AdxõA7ALLAY7E-2758A/
7E81-2758A;7E-2759AE 7E81-2759
A°NO
A »NO
A
¼NO
A½NO
A»NO
A
°NO
A°NO
A»NO
A¼NO
A½NO
A»NO
A°NO¾
Bdx
BOONB5MAINBÚ7E-631CB€ 7E81-631CB57E-631DB4 7E81-631DB³YESB ^YESB
µYESBwYESB ^YESB
³YESB³YESB ^YESBµYESBwYESB ^YESB³YES¾
CdxCO(-40dB)
CbZONE2CÙ7E-641BC• 7E81-641BC-7E-641AC(7E81-641ACYESC ®YESC
^YESCzYESC®YESC
YESCYESC®YESC^YESCzYESC®YESCYES¾DdxO
DbZONE3DÛ7E-651AD+ 7E81-651AD27E-651BD@ 7E81-651B
DNO
D ®NO
D
^NODzYESD®YES
D
NO
DNO
D®NO
D^NODzYESD®YES
DNO¾EdxO
EbZONE4Eß7E-6619E} 7E81-6619E37E-6618E, 7E81-6618
ENO
E ®NO
E
^NO
EzNO
E®NO
E
NO
ENO
E®NO
E^NO

EzNO
E@NO
ENO¾FdxMF7ALLFY7E-6718F/ 7E81-6718F;7E-6719FE 7E81-6719
F°NO
F »NO
F
¼NO
F½NO
F»NO
F
°NO
F°NO
F»NO
F¼NO
F½NO
F»NO
F°NO¾
Gdx
GOONG5MAIN
GÚ7E-DFG€ 7E81-DF20G57E-DF21G4 7E81-DF21G³YESG `YESG
µYESGwYESG`YESG
³YESG³YESG`YESGµYESGwYESG`YESG³YES¾
HdxHO(-20dB)
HbZONE2HÙ7E-2956H• 7E81-2956H-7E-2957H(7E81-2957HYESH @YESH
- YESHzYESH@YESH
YESHYESH@YESH` YESHzYESH@YESHYES¾IdxO
IbZONE3IÛ7E-2A55I+ 7E81-2A55I27E-2A54I@ 7E81-2A54
INO
I @NO
I
-NOIzYESI@YES
I
NO
INO
I@NO
I`NOIzYESI@YES
INO¾JdxO
JbZONE4Jß7E-2B54J} 7E81-2B54J37E-2B55J, 7E81-2B55
JNO
J @NO
J
-NO
JzNO
J@NO
J
NO
JNO
J@NO
J`NO
JzNO
J@NO
JNO¾KdxMK7ALLKY7E-2C53K/ 7E81-2C53K;7E-2C52KE 7E81-2C52
K°NO
K »NO

K
¼NO
K½NO
K»NO
K
°NO
K°NO
K»NO
K¼NO
K½NO
K»NO
K°NO¾
LdxLöOFFL-MAIN
LÛ7E-A3L• 7E81-A35CL-7E-A35DL(7E81-A35DL³YESL ^YESL
µYESLwYESL^YESL
³YESL³YESL^YESLµYESLwYESL^YESL³YES¾Mdxô
MbZONE2
MÛ7E-A1M• 7E81-A15EM-7E-A15FM(7E81-A15FMYESM ®YESM
- YESMzYESM®YESM
YESMYESM®YESM^ YESMzYESM®YESMYES¾Ndxô
NbZONE3NÛÔ!,-g2N+ 7E81-6699N27E-6698N@ 7E81-6698
NNO
N ®NO
N
^-NONzYESN®YES
N
NO
NNO
N®NO
N^-NONzYESN®YES
NNO¾Odx¿
ObZONE4Oß7E-0D72O} 7E81-0D72O37E-0D73O, 7E81-0D73
ONO
O ®NO
O
^-NO
OzNO
O®NO
O
NO
ONO
O®NO
O^-NO
OzNO
O®NO
ONO¾PdxöPkALLPß7E-2857Pš 7E81-2857Pa7E-2856P@ 7E81-2856
P°NO
P »NO
P
¼NO
P½NO
P»NO
P
°NO

P°NO
P»NO
P¼NO
P½NO
P»NO
P°NOQcDISPLAYQu
SMART ZOOM
Q'ONQ^MAINQØ7E-225DQ~ 7E81-225DQ)7E-225CQ: 7E81-225C
Q¶NO
Q .NO
Q
,NOQ¹YESQ·YES
Q
¶NO
Q¶NO
Q·NO
Q,NOQ¹YESQ·YES
Q¶NO¾
RdRJ
OFF (THROUGH)R3MAINRÛ7E-235CR+ 7E81-235CR27E-235DRk 7E81-235D
RÄNO
R ÅNO
R
ÆNORÇYESRÅYES
R
ÄNO
RÄNO
RÅNO
RÆNORÇYESRÅYES
RÄNOScPROGRAMS÷PURE DIRECT
SøONSÓMAINSØÿ'c''-™€S~ 7E81-807FS)7E-807ES@ 7E81-807ESñYESS òYESS
óYESSfYESSòYESS
ñYESSñYESSòYESSóYESSfYESSòYESSñYESTeTù or DIRECTTúOFFT»MAINTÛòÈÛy?/T+ 7E81-827DT27E-
827CT@ 7E81-827CTYEST @YEST
- YESTzYEST@YEST
YESTYEST@YEST- YESTzYEST@YESTYESUdUxSTRAIGHT
UûONUªMAIN
UÚ7E-E0U€ 7E81-E01FU57E-E01EU[7E81-E01EUñYESU òYESU
óYESUfYESUòYESU
ñYESUñYESUòYESUóYESUfYESUòYESUñYES¾
VdùVúOFFV»MAINVÝŽòðÆT:V/ 7E81-27D8V;7E-27D9V; 7E81-27D9VYESV @YESV
- YESVzYESV@YESV
YESVYESV@YESV- YESVzYESV@YESVYESWeW^PROGRAMWKHall in MunichW5MAIN
WÛ7E-E1W• 7E81-E11EW-7E-E11FW@ 7E81-E11FWñYESW òYESW
óYESWfYESWòYESW
ñYESWñYESWòYESWóYESWfYESWòYESWñYES¾
XexXIHall in ViennaX3MAIN
XB7E-E5X} 7E81-E51AX37E-E51BX, 7E81-E51BXYESX @YESX
- YESXzYESX@YESX
YESXYESX@YESX- YESXzYESX@YESXYES¾
YexYIHall in AmsterdamY3MAIN
YB7E-E6Y} 7E81-E619Y37E-E618Y, 7E81-E618
YNO
Y ®NO

Y
-NOYzYESY®YES
Y
NO
YNO
Y®NO
Y-NOYzYESY®YES
YNO¾
ZexZIChamberZ3MAIN
ZB7E-AFZ} 7E81-AF50Z37E-AF51Z, 7E81-AF51ZYESZ ®YESZ
-YESZzYESZ®YESZ
YESZYESZ®YESZ-YESZzYESZ®YESZYES¾
[ex]IChurch in Freiburg[3MAIN
[B7E-E8{ } 7E81-E817[37E-E816[, 7E81-E816
[NO
[®NO
[
-NO[zYES[®YES
[
NO
[NO
[®NO
[-NO[zYES[®YES
[NO¾
\\ex\\IChurch in Royaumont\\3MAIN
\\B7E-E9\\} 7E81-E916\\37E-E917\\, 7E81-E917
\\NO
\\ ®NO
\\
-NO\\zYES\\®YES
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NO
\\NO
\\®NO
\\-NO\\zYES\\®YES
\\NO¾
]ex]IVillage Vanguard]3MAIN
]B7E-EB}] 7E81-EB14]37E-EB15], 7E81-EB15
]NO
] ®NO
]
-NO]zYES]®YES
]
NO
]NO
]®NO
[-NO]zYES]®YES
]NO¾
^ex^IThe Bottom Line^3MAIN
^B7E-EC^} 7E81-EC13^37E-EC12^, 7E81-EC12^YES^ ®YES^
-YES^zYES^®YES^
YES^YES^®YES^-YES^zYES^®YES^YES¾
_ex_ICellar Club_3MAIN
B7E-CD} 7E81-CD32_37E-CD33_, 7E81-CD33_YES_ ®YES_

- YES_zYES_®YES_
YES_YES_®YES_- YES_zYES_®YES_YES¾
`ex`IThe Roxy Theatre`3MAIN
`ß7E-ED` } 7E81-ED12`37E-ED13`, 7E81-ED13`YES` ®YES`
- YES`zYES`®YES`
YES`YES`®YES`- YES`zYES`®YES` YES×DC(106.6/#C3KA>0I:53674;7abcdefghijklmnopqrstuvwxy{|}~€¼
aexaIWarehouse Lofta3MAIN
aß7E-EEa} 7E81-EE11a37E-EE10a, 7E81-EE10
aNO
a ®NO
a
- NOazYESa®YES
a
NO
aNO
a®NO
a- NOazYESa®YES
aNO¾
bexbISportsb3MAIN
bß7E-F8b} 7E81-F807b37E-F806b, 7E81-F806bYESb ®YESb
- YESbzYESb®YESb
YESbYESb®YESb- YESbzYESb®YESbYES¾
cdxcIMusic Videoc3MAIN
cß7E-F3c} 7E81-F30Cc37E-F30Dc, 7E81-F30DcYESc ®YESc
- YESczYESc®YESc
YEScYESc®YESc- YESczYESc®YEScYES¾
dexdI
Recital/Operad3MAIN
dß7E-F5d} 7E81-F50Ad37E-F50Bd, 7E81-F50B
dNO
d ®NO
d
- NOdzYESd®YES
d
NO
dNO
d®NO
d- NOdzYESd®YES
dNO¾
eexeIAction Gamee3MAIN
eß7E-F2e} 7E81-F20De37E-F20Ce, 7E81-F20CeYESe ®YESe
- YESezYESe®YESe
YESeYESe®YESe- YESezYESe®YESeYES¾
fexfIRoleplaying Gamef3MAIN
fß7E-CEf} 7E81-CE31f37E-CE30f, 7E81-CE30fYESf ®YESf
- YESfzYESf®YESf
YESfYESf®YESf- YESfzYESf®YESfYES¾
gexgIStandardg3MAIN
gß7E-FEg} 7E81-FE01g37E-FE00g, 7E81-FE00gYESg ®YESg
- YESgzYESg®YESg
YESgYESg®YESg- YESgzYESg®YESgYES¾
hdxhI Spectacleh3MAIN
hß7E-F9h} 7E81-F906h37E-F907h, 7E81-F907hYESh ®YESh
- YEShzYESh®YESh

YESh YESh®YESh⁻ YEShzYESh®YESh YES¾
iexiI Sci-Fii3MAIN
iβ7E-FAi} 7E81-FA05i37E-FA04i, 7E81-FA04iYESi ®YESi
- YESizYESi®YESi
YESiYESi®YESi⁻ YESizYESi®YESi YES¾
jexjI Adventurej3MAIN
jβ7E-FBj} 7E81-FB04j37E-FB05j, 7E81-FB05j YESj ®YESj
- YESjzYESj®YESj
YESjYESj®YESj⁻ YESjzYESj®YESj YES¾
kex
kIDramak3MAIN
kβ7E-FCK} 7E81-FC03k37E-FC02k, 7E81-FC02kYESk ®YESk
- YESkzYESk®YESk
YESkYESk®YESk⁻ YESkzYESk®YESk YES¾
lexlI
Mono MovielbMAIN
là7E-F7l— 7E81-F708lb7E-F709l 7E81-F709lYESl ®YESl
- YESlzYESl®YESl
YESlYESl®YESl⁻ YESlzYESl®YESl YES¾
mexml
2ch Stereom3MAIN
mβ7E-C0m} 7E81-C03Fm37E-C03Em, 7E81-C03EmYESm ®YESm
- YESmzYESm®YESm
YESmYESm®YESm⁻ YESmzYESm®YESm YES¾
ndxnJ
Xch StereonbMAIN
nà7E-FFn— 7E81-FF00nb7E-FF01n1 7E81-FF01n°YESn ±YESn
²YESn|YESn±YESn
°YESn°YESn±YESn²YESn|YESn±YESn°YESo eotSUR. DECODE
oŠONoÍMAIN
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qeqlOFFq3MAIN
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- YESqzYESq®YESq
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r5ZONE2
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f°NO,,cMENU,,÷SUR,,pPLII(IIx) MOVIE,,·MAIN,,Øð8ß22,,~ 7E81-6798,,)7E-6799,,: 7E81-6799,,¶YES,,

·YES,,

·YES,,¹YES,,·YES,,

¶YES,,¶YES,,·YES,,·YES,,¹YES,,·YES,,¶YES...d...xDECODE...yPLII(IIx) MUSIC...±MAIN...ÙMËi¶ð1p1...·

7E81-6897...-7E-6896...(7E81-6896...YES... ®YES...
- YES...zYES...®YES...
YES... YES...®YES...- YES...zYES...®YES... YES¾
†dx†yPLII(IIx) GAME†®MAIN
†Û7E-C7†• 7E81-C738†-7E-C739†(7E81-C739†YES† ®YES†
- YES†zYES†®YES†
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- YES‡zYES‡®YES‡
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- YES^zYES^®YES^
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dxy ON(EX/ES)®MAIN
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KON5MAINÚ7E-83FC€ 7E81-83FC57E-83FD[7E81-83FDñYES òYES
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§çgœ°b,“+ 7E81-956A“27E-956B“@ 7E81-956B

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“°NO”d”^ADAPTIVE DRC

”KON”5MAIN”Û7E-740B”€ 7E81-740B”57E-740A”[7E81-740A”3YES” ^YES”

μ YES”w YES” ^YES”

³ YES”³ YES” ^YES” μ YES”w YES” ^YES”³ YES¾

•d•FOFF•7MAIN•Ý7E-750A•/ 7E81-750A•;7E-750B•; 7E81-750B•YES• @YES•

- YES•z YES•@YES•

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-HON--MAIN-Û7E-7609-• 7E81-7609--7E-7608-(7E81-7608-³YES- ^YES-

μ YES-w YES- ^YES-

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«Û7E-6B«• 7E81-6B94«-7E-6B95«(7E81-6B95«³YES« ^YES«
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