

• 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

IPOD

BT

UAW

RHAP

SIRIUSIR

PANDORA

NAPSTER

PC

NETRADIO

USB

IPODUSB

• RX-V871

SYS

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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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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 enter 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=xxxxxxxx[CR/LF] command.
(xxxxxxxx: IR code, 8 characters)

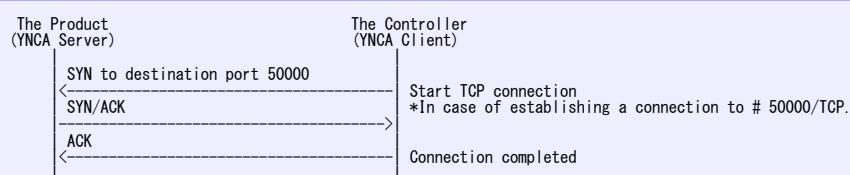
See "REMOTECODE" command description and also find the link to the IR code list available with the Product.

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



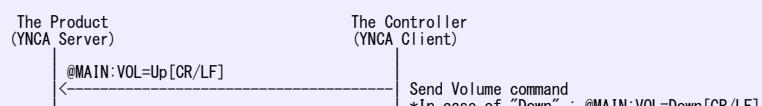
- Main Power On



- Volume Change (Direct)



- Volume Change (Up/Down)



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



```

<@SYS:MODELNAME=?[CR/LF]----->| Send any command
-----<@SYS:MODELNAME=RX-XXXXX[CR/LF]>| Receive response

```

- Volume Check

The Product (YNCA Server)	The Controller (YNCA Client)
-----<@MAIN:VOL=?[CR/LF]> -----<@MAIN:VOL=-60.5[CR/LF]>	Send Volume check command Receive response

- Disconnection

The Product (YNCA Server)	The Controller (YNCA Client)
-----<FIN/ACK> -----<ACK> -----<FIN/ACK> -----<ACK> -----<ACK>	Quit TCP connection Connection terminated

<Example for RS-232C control>

- Main Power On

The Product (YNCA Server)	The Controller (YNCA Client)
-----<@MAIN:PWR=On[CR/LF]> -----<@MAIN:PWR=On[CR/LF]>	Send Power On command Send Power On command twice (Refer to 4.1.2)

- Volume Change (Direct)

The Product (YNCA Server)	The Controller (YNCA Client)
-----<@MAIN:VOL=-60.5[CR/LF]>	Send Volume command

- Volume Change (Up/Down)

The Product (YNCA Server)	The Controller (YNCA Client)
-----<@MAIN:VOL=Up[CR/LF]>	Send Volume command *In case of "Down" : @MAIN:VOL=Down[CR/LF]

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

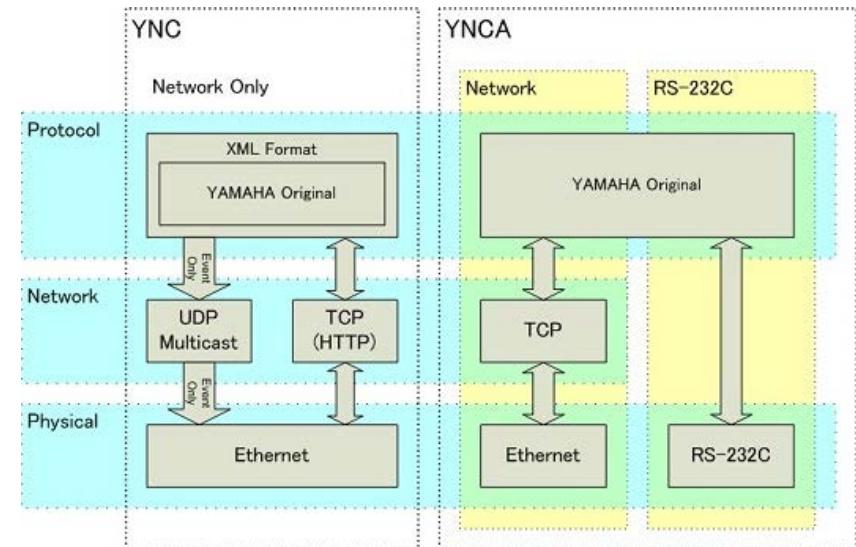
- *Simple: No ACK/NAK handshaking*
- *Short texts and simple syntax: Complicated/heavy parser module as XML not required*
- *Common protocol for both Network(Ethernet) and RS-232C connections: Easy to port each other*
- *Peer-to-peer connection: Not necessary for multi-connection management*

- *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*

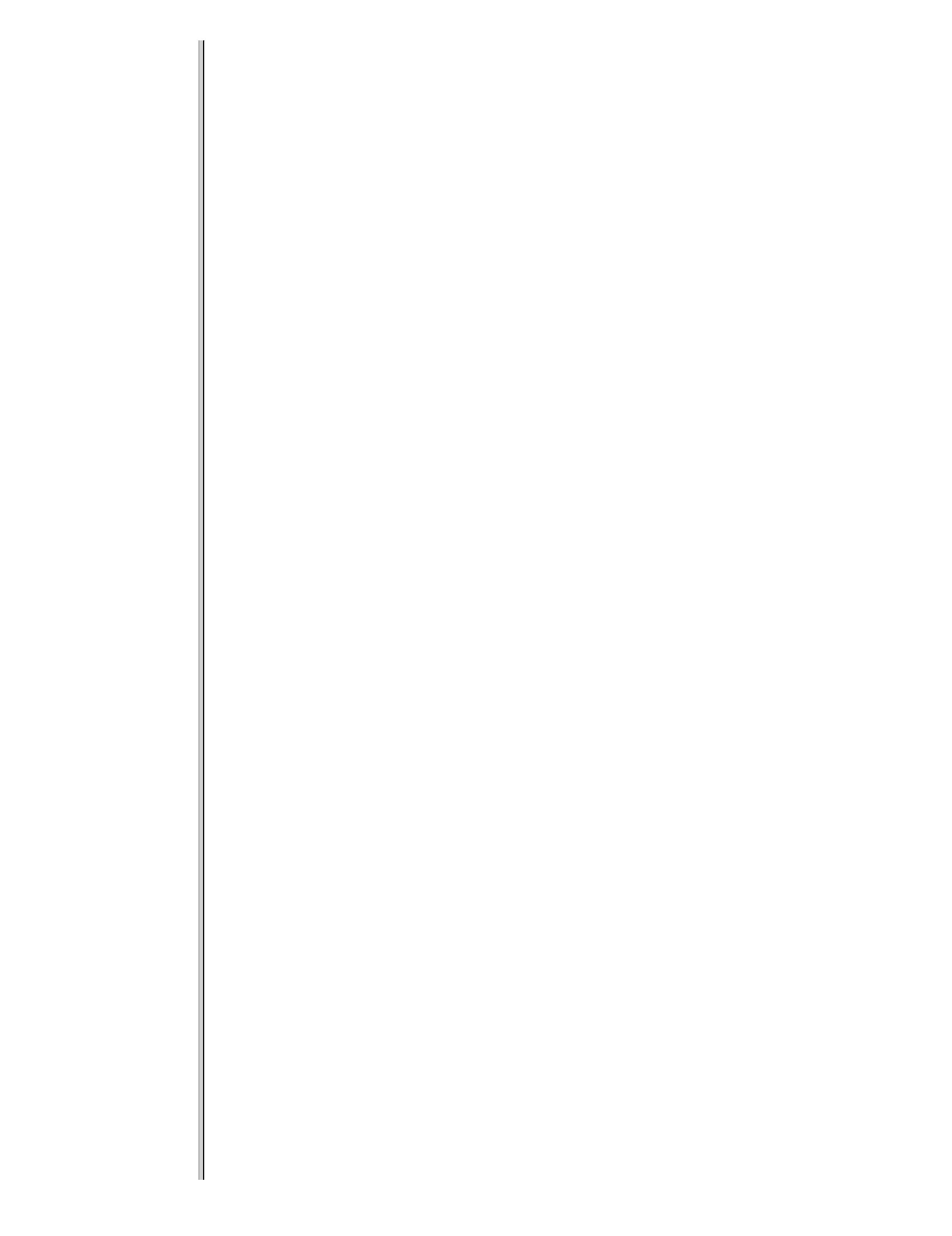


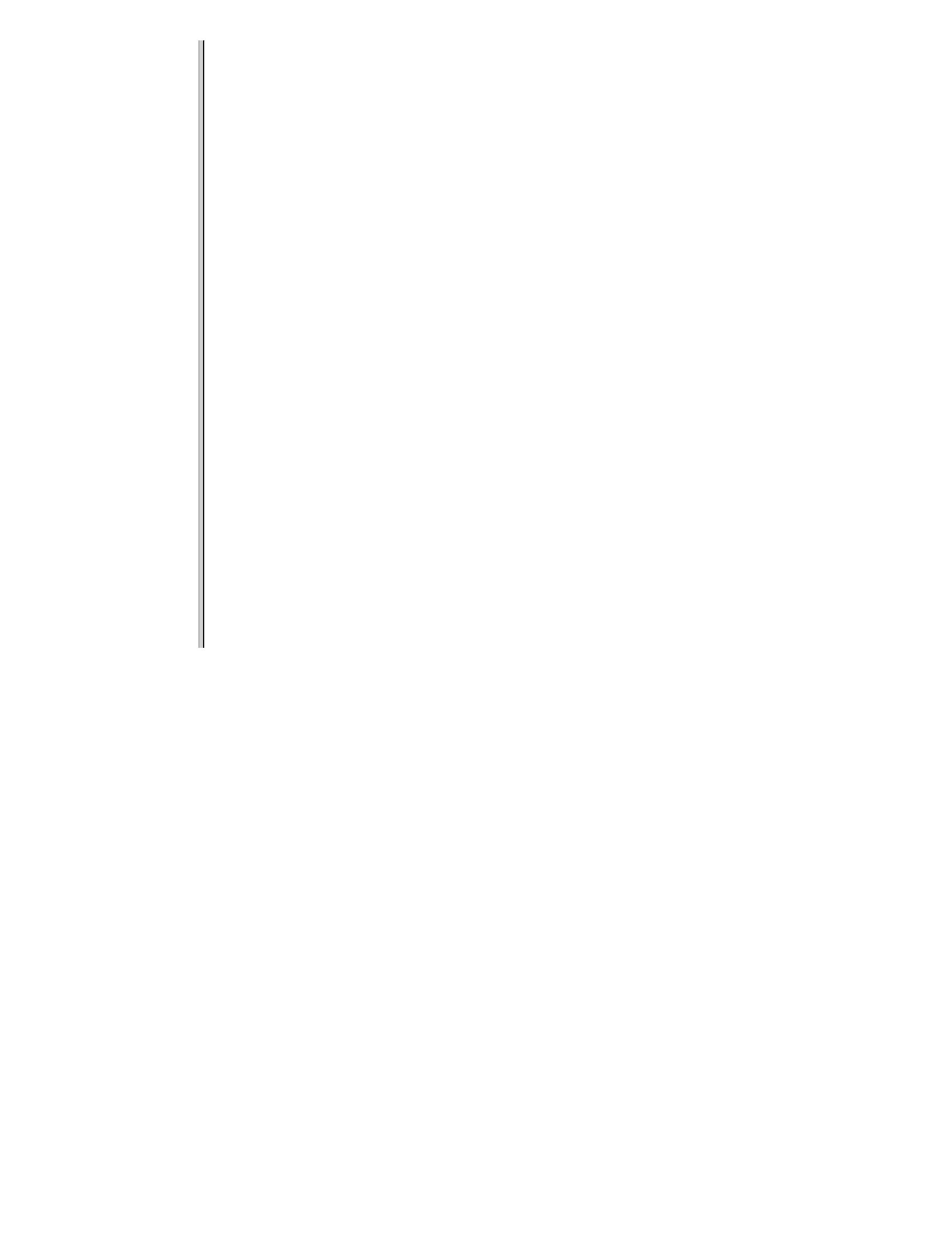
- *Features List*

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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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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 - 3.3.1 Normal Response (to GET commands)
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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
 - 4.2.2 Connection & Disconnection
 - 4.2.3 Port Number Change
 - 4.2.4 MAC address filter
 - 4.2.5 Network Standby

5 Appendix

- [5.1 Use of IR codes](#)
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-

1 Preface

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

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

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 enter 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

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4.2.1 Command Interval

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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

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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

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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

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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

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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

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5.1 Use of IR codes

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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

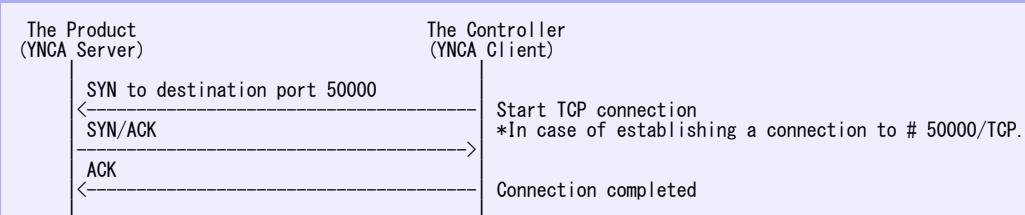
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Sequence diagrams are given below to help understanding what the communication should be like case by case.

<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



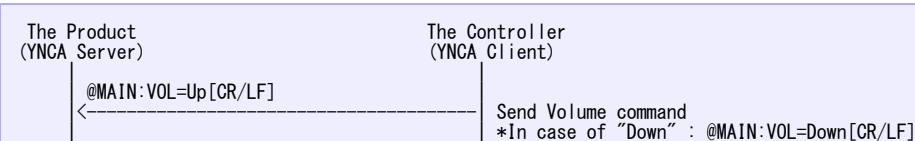
- Main Power On



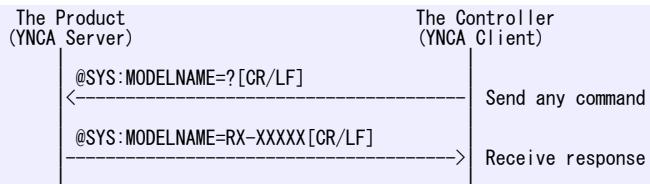
- Volume Change (Direct)



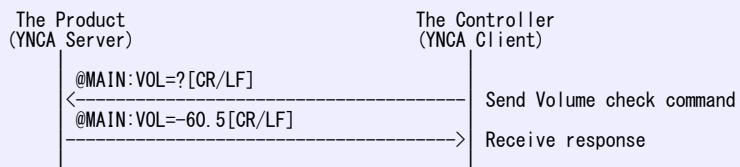
- Volume Change (Up/Down)



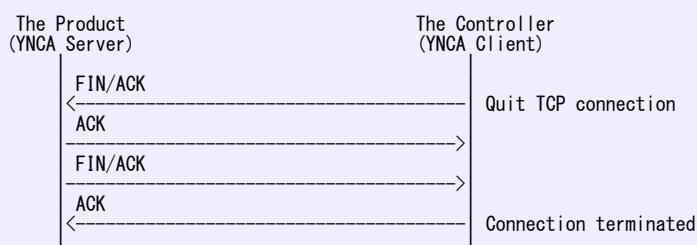
- Keep Alive *In case of polling the connection state (i.e. Keep Alive)



- Volume Check

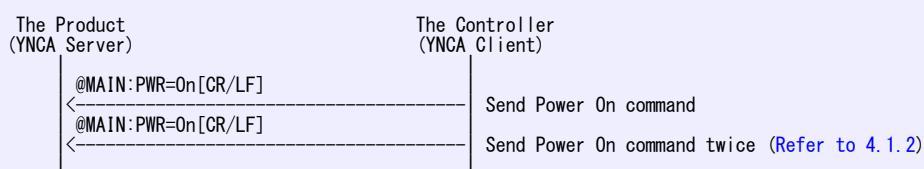


- Disconnection



<Example for RS-232C control>

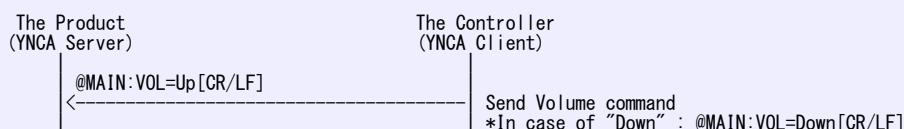
- Main Power On



- Volume Change (Direct)



- Volume Change (Up/Down)



5.3 Concepts of YNCA and YNC

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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.

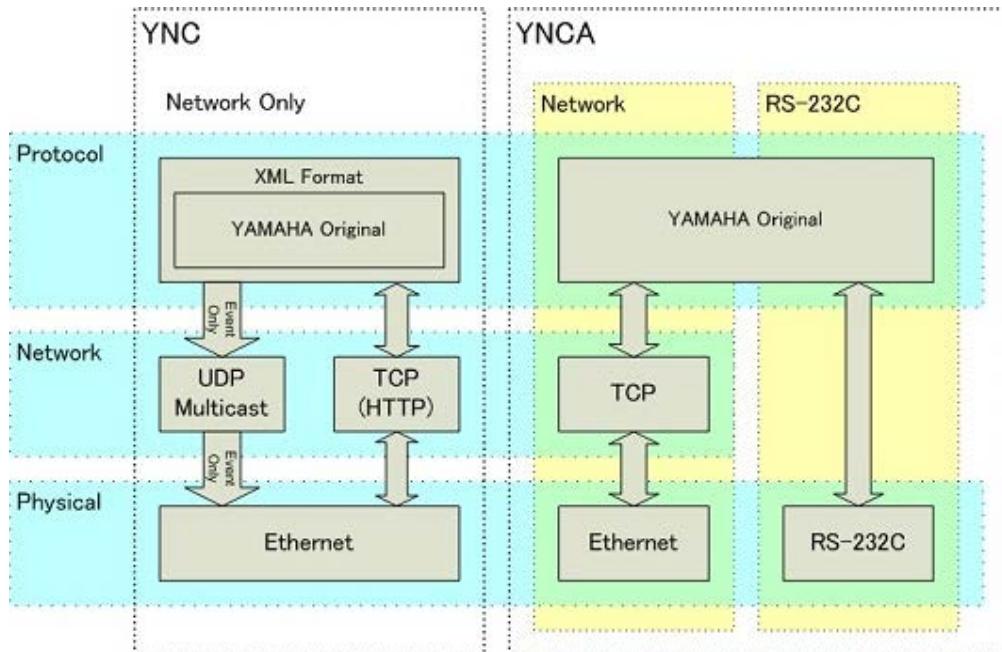
- YNCA Features

- *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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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

TRIG1INPB
TRIG1INPUAW
TRIG1INPNET
TRIG1INPRHAPSODY
TRIG1INPSIRIUSIR
TRIG1INPPANDORA
TRIG1INPNAPSTER
TRIG1INPPC
TRIG1INPNETRADIO
TRIG1INPUSB
TRIG1INPIPODUSB

3. Others

MODELNAME
VERSION
VIDANLGCONV
SPPATTERN1AMP
SPPATTERN1FRNTCFG
SPPATTERN1CENTCFG
SPPATTERN1SURCFG
SPPATTERN1SURBCFG
SPPATTERN1FRNTPRES
SPPATTERN1SWFR1CFG
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](#)

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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

[Back To Index](#)

- **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.

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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.

[Back To Index](#)

• 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

[Back To Index](#)

• 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

[Back To Index](#)

• 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

[Back To Index](#)

• 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]

- **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

- **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

- **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

- **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

- **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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- **TRIG1INPB**

[PUT Command]

@SYS:TRIG1INPB=Parameter

[GET Command]

@SYS:TRIG1INPB=?

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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EXSURDECODER
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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: turining its setting state to AV5 / GET: indicating AV5 setting status.

AV6

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

AUDIO1

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

AUDIO2

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

On

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

On

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

On

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

Hall in Vienna

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

Chamber

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

Cellar Club

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

The Roxy Theatre

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

The Bottom Line

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

Sports

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

Action Game

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

Roleplaying Game

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

Music Video

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

Standard

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

Spectacle

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

Sci-Fi

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

Adventure

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

Drama

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

Mono Movie

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

2ch Stereo

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

7ch Stereo

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

Surround Decoder

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

Auto

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

- **3DCINEMA**

[PUT Command]

@MAIN:3DCINEMA=Parameter

[GET Command]

@MAIN:3DCINEMA=?

Operating & retrieving 3D DSP setting state

[Parameters]

Off

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

Auto

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

Auto

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

Dolby PLIIx Movie

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

Dolby PLIIx Music

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

EX/ES

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

Dolby PLII Music

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

Dolby PLII Game

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

Dolby PLIIx Movie

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

Dolby PLIIx Music

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

Dolby PLIIx Game

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

DTS NEO:6 Cinema

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

DTS NEO:6 Music

PUT: turining 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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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:ZONE NAME=Parameter

[GET Command]

@ZONE2:ZONE NAME=?

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

- **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"

- **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

- **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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• 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 singal 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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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:: \$

\$Revision: \$

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPOD:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPOD:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPOD:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPOD:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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

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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-V671

Product Region: USA

\$Date:: \$

\$Revision: \$

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1. Others

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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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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

`@RHAP:LINE2ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

`@RHAP:LINE3TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

`@RHAP:LINE3ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

`@RHAP:LINE4TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

`@RHAP:LINE4ATTRIB=?`

[Parameters]

- **LINE5TXT**

[GET Command]

`@RHAP:LINE5TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

`@RHAP:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

`@RHAP:LINE6TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

`@RHAP:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

`@RHAP:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

`@RHAP:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

`@SIRIUSIR:LINE1ATTRIB=?`

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-V671

Product Region: USA

\$Date:: \$

\$Revision: \$

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

@PANDORA:LINE1ATTRIB=?

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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• LINE2ATTRIB

[GET Command]

@PANDORA:LINE2ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE3ATTRIB**

[GET Command]

@PANDORA:LINE3ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE4ATTRIB**

[GET Command]

@PANDORA:LINE4ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE5ATTRIB**

[GET Command]

@PANDORA:LINE5ATTRIB=?

[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:: \$

\$Revision: \$

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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

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- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as ARTIST

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- **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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

@NAPSTER:LINE1ATTRIB=?

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](#)

- **LINE2ATTRIB**

[GET Command]

@NAPSTER:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@NAPSTER:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@NAPSTER:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

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- **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

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- **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **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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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

`@PC:LINE2ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

`@PC:LINE3TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

`@PC:LINE3ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

`@PC:LINE4TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

`@PC:LINE4ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

`@PC:LINE5TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

`@PC:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE6TXT**

[GET Command]

`@PC:LINE6TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE6ATTRIB**

[GET Command]

`@PC:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE7TXT**

[GET Command]

`@PC:LINE7TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE7ATTRIB**

[GET Command]

`@PC:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **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-V671

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:LAYER", "@XXXX:LAYERNAME", "@XXXX:LINE1TXT" to
"@XXXX:LINE8TXT", "@XXXX:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@XXXX:CURRLINE" and
"@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LAYERNAME=?

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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- **LINE1ATTRIB**

[GET Command]

@NETRADIO:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@NETRADIO:LINE2ATTRIB=?

[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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- **LINE6ATTRIB**

[GET Command]

`@NETRADIO:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE7TXT**

[GET Command]

`@NETRADIO:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE7ATTRIB**

[GET Command]

`@NETRADIO:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE8TXT**

[GET Command]

`@NETRADIO:LINE8TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE8ATTRIB**

[GET Command]

`@NETRADIO:LINE8ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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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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4. Others

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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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- **LISPAGE**

[PUT Command]

@USB:LISPAGE=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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- **LISLAYER**

[GET Command]

@USB:LISLAYER=?

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

- **LINE2ATTRIB**

[GET Command]

@USB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@USB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@USB:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATRIB

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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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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPODUSB:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPODUSB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPODUSB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPODUSB:LINE4ATTRIB=?

[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-A710

Product Region: USA

\$Date:: \$

\$Revision: \$

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MEMGRD
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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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- **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]

- **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

- **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

- **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

- **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

- **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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- **TRIG1INPB**

[PUT Command]

@SYS:TRIG1INPB=Parameter

[GET Command]

@SYS:TRIG1INPB=?

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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- **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: turining its setting state to AV5 / GET: indicating AV5 setting status.

AV6

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

AUDIO1

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

AUDIO2

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

On

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

On

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

On

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

Hall in Vienna

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

Chamber

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

Cellar Club

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

The Roxy Theatre

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

The Bottom Line

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

Sports

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

Action Game

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

Roleplaying Game

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

Music Video

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

Standard

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

Spectacle

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

Sci-Fi

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

Adventure

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

Drama

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

Mono Movie

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

2ch Stereo

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

7ch Stereo

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

Surround Decoder

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

Auto

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

- **3DCINEMA**

[PUT Command]

@MAIN:3DCINEMA=Parameter

[GET Command]

@MAIN:3DCINEMA=?

Operating & retrieving 3D DSP setting state

[Parameters]

Off

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

Auto

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

Auto

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

Dolby PLIIx Movie

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

Dolby PLIIx Music

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

EX/ES

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

Dolby PLII Music

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

Dolby PLII Game

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

Dolby PLIIx Movie

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

Dolby PLIIx Music

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

Dolby PLIIx Game

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

DTS NEO:6 Cinema

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

DTS NEO:6 Music

PUT: turining 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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INITVOLLVL

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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:ZONE NAME=Parameter

[GET Command]

@ZONE2:ZONE NAME=?

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

- **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"

- **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

- **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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• 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 singal 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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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-A710

Product Region: USA

\$Date:: \$

\$Revision: \$

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPOD:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPOD:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPOD:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPOD:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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

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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

[Back To Index](#)

- **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: \$

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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:: \$

\$Revision: \$

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4. Others

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[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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

@RHAP:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@RHAP:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@RHAP:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

`@RHAP:LINE5TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

`@RHAP:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

`@RHAP:LINE6TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

`@RHAP:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

`@RHAP:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

`@RHAP:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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-A710

Product Region: USA

\$Date:: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

`@SIRIUSIR:LINE1ATTRIB=?`

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-A710

Product Region: USA

\$Date:: \$

\$Revision: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

@PANDORA:LINE1ATTRIB=?

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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• LINE2ATTRIB

[GET Command]

@PANDORA:LINE2ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE3ATTRIB**

[GET Command]

@PANDORA:LINE3ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE4ATTRIB**

[GET Command]

@PANDORA:LINE4ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE5ATTRIB**

[GET Command]

@PANDORA:LINE5ATTRIB=?

[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:: \$

\$Revision: \$

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4. Others

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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

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- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as ARTIST

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- **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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

@NAPSTER:LINE1ATTRIB=?

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](#)

- **LINE2ATTRIB**

[GET Command]

@NAPSTER:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@NAPSTER:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@NAPSTER:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **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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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

`@PC:LINE2ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

`@PC:LINE3TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

`@PC:LINE3ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

`@PC:LINE4TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

`@PC:LINE4ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

`@PC:LINE5TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

`@PC:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE6TXT**

[GET Command]

`@PC:LINE6TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE6ATTRIB**

[GET Command]

`@PC:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE7TXT**

[GET Command]

`@PC:LINE7TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE7ATTRIB**

[GET Command]

`@PC:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **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

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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:LAYER", "@XXXX:LAYERNAME", "@XXXX:LINE1TXT" to
"@XXXX:LINE8TXT", "@XXXX:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@XXXX:CURRLINE" and
"@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LAYERNAME=?

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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- **LINE1ATTRIB**

[GET Command]

@NETRADIO:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@NETRADIO:LINE2ATTRIB=?

[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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- **LINE6ATTRIB**

[GET Command]

`@NETRADIO:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE7TXT**

[GET Command]

`@NETRADIO:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE7ATTRIB**

[GET Command]

`@NETRADIO:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE8TXT**

[GET Command]

`@NETRADIO:LINE8TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE8ATTRIB**

[GET Command]

`@NETRADIO:LINE8ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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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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4. Others

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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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- **LISPAGE**

[PUT Command]

@USB:LISPAGE=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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- **LISLAYER**

[GET Command]

@USB:LISLAYER=?

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

- **LINE2ATTRIB**

[GET Command]

@USB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@USB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@USB:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATRIB

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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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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

[Back To Index](#)

• 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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPODUSB:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPODUSB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPODUSB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPODUSB:LINE4ATTRIB=?

[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-V871

Product Region: USA

\$Date:: \$

\$Revision: \$

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SPPATTERN1WFRCRSOVR
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]

- **INPNAMEAV2**

[GET Command]

@SYS:INPNAMEAV2=?

Retrieving renamed info of AV2

[Parameters]

Parameters are the same as INPNAMEMULTICH

- **INPNAMEAV3**

[GET Command]

@SYS:INPNAMEAV3=?

Retrieving renamed info of AV3

[Parameters]

Parameters are the same as INPNAMEMULTICH

- **INPNAMEAV4**

[GET Command]

@SYS:INPNAMEAV4=?

Retrieving renamed info of AV4

[Parameters]

Parameters are the same as INPNAMEMULTICH

- **INPNAMEAV5**

[GET Command]

@SYS:INPNAMEAV5=?

Retrieving renamed info of AV5

[Parameters]

Parameters are the same as INPNAMEMULTICH

- **INPNAMEAV6**

[GET Command]

@SYS:INPNAMEAV6=?

Retrieving renamed info of AV6

[Parameters]

Parameters are the same as INPNAMEMULTICH

- **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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• SPPATTERN1WFRCRSOVR

[PUT Command]

@SYS:SPPATTERN1WFRCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1WFRCRSOVR=?

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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• TRIG1INPB

[PUT Command]

@SYS:TRIG1INPB=Parameter

[GET Command]

@SYS:TRIG1INPB=?

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=?`

[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-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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- **ZONE NAME**

[PUT Command]

@MAIN:ZONE NAME=Parameter

[GET Command]

@MAIN:ZONE NAME=?

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

AVI

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:LIPSYNCEINFO=?

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: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: turining its setting state to Spectacle / GET: indicating Spectacle setting status.

Sci-Fi

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

Adventure

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

Drama

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

Mono Movie

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

2ch Stereo

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

7ch Stereo

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

Surround Decoder

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

Auto

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

Auto

PUT: turining 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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SLEEP

2. Volume

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MAXVOL

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MUTE

3. Input

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4. Information

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5. Play Control

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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:ZONE NAME=Parameter

[GET Command]

@ZONE2:ZONE NAME=?

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

- **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"

- **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

- **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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3. Others

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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 singal 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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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-V871

Product Region: USA

\$Date:: \$

\$Revision: \$

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPOD:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPOD:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPOD:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPOD:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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: \$

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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:: \$

\$Revision: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

@RHAP:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@RHAP:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@RHAP:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

`@RHAP:LINE5TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

`@RHAP:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

`@RHAP:LINE6TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

`@RHAP:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

`@RHAP:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

`@RHAP:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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-V871

Product Region: USA

\$Date:: \$

\$Revision: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

`@SIRIUSIR:LINE1ATTRIB=?`

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-V871

Product Region: USA

\$Date:: \$

\$Revision: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

@PANDORA:LINE1ATTRIB=?

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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• LINE2ATTRIB

[GET Command]

@PANDORA:LINE2ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE3ATTRIB**

[GET Command]

@PANDORA:LINE3ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE4ATTRIB**

[GET Command]

@PANDORA:LINE4ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE5ATTRIB**

[GET Command]

@PANDORA:LINE5ATTRIB=?

[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-V871

Product Region: USA

\$Date:: \$

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4. Others

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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

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- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as ARTIST

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- **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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

@NAPSTER:LINE1ATTRIB=?

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](#)

- **LINE2ATTRIB**

[GET Command]

@NAPSTER:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@NAPSTER:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@NAPSTER:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **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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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

`@PC:LINE2ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

`@PC:LINE3TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

`@PC:LINE3ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

`@PC:LINE4TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

`@PC:LINE4ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

`@PC:LINE5TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

`@PC:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE6TXT**

[GET Command]

`@PC:LINE6TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE6ATTRIB**

[GET Command]

`@PC:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE7TXT**

[GET Command]

`@PC:LINE7TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE7ATTRIB**

[GET Command]

`@PC:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **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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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:LAYER", "@XXXX:LAYERNAME", "@XXXX:LINE1TXT" to
"@XXXX:LINE8TXT", "@XXXX:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@XXXX:CURRLINE" and
"@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LAYERNAME=?

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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- **LINE1ATTRIB**

[GET Command]

@NETRADIO:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@NETRADIO:LINE2ATTRIB=?

[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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- **LINE6ATTRIB**

[GET Command]

`@NETRADIO:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE7TXT**

[GET Command]

`@NETRADIO:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE7ATTRIB**

[GET Command]

`@NETRADIO:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE8TXT**

[GET Command]

`@NETRADIO:LINE8TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE8ATTRIB**

[GET Command]

`@NETRADIO:LINE8ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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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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[MAXLINE](#)

4. Others

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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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- **LISPAGE**

[PUT Command]

@USB:LISPAGE=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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- **LISLAYER**

[GET Command]

@USB:LISLAYER=?

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

- **LINE2ATTRIB**

[GET Command]

@USB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@USB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@USB:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATRIB

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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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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

[Back To Index](#)

• 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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPODUSB:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPODUSB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPODUSB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPODUSB:LINE4ATTRIB=?

[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-A810

Product Region: USA

\$Date:: \$

\$Revision: \$

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SPPATTERN1EXBASS
SPPATTERN1WFRCRSOVR
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]

- **INPNAMEAV2**

[GET Command]

@SYS:INPNAMEAV2=?

Retrieving renamed info of AV2

[Parameters]

Parameters are the same as INPNAMEMULTICH

- **INPNAMEAV3**

[GET Command]

@SYS:INPNAMEAV3=?

Retrieving renamed info of AV3

[Parameters]

Parameters are the same as INPNAMEMULTICH

- **INPNAMEAV4**

[GET Command]

@SYS:INPNAMEAV4=?

Retrieving renamed info of AV4

[Parameters]

Parameters are the same as INPNAMEMULTICH

- **INPNAMEAV5**

[GET Command]

@SYS:INPNAMEAV5=?

Retrieving renamed info of AV5

[Parameters]

Parameters are the same as INPNAMEMULTICH

- **INPNAMEAV6**

[GET Command]

@SYS:INPNAMEAV6=?

Retrieving renamed info of AV6

[Parameters]

Parameters are the same as INPNAMEMULTICH

- **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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• SPPATTERN1WFRCRSOVR

[PUT Command]

@SYS:SPPATTERN1WFRCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN1WFRCRSOVR=?

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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• TRIG1INPB

[PUT Command]

@SYS:TRIG1INPB=Parameter

[GET Command]

@SYS:TRIG1INPB=?

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=?`

[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-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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- **ZONE NAME**

[PUT Command]

@MAIN:ZONE NAME=Parameter

[GET Command]

@MAIN:ZONE NAME=?

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

AVI

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:LIPSYNCEINFO=?

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: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: turining its setting state to Spectacle / GET: indicating Spectacle setting status.

Sci-Fi

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

Adventure

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

Drama

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

Mono Movie

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

2ch Stereo

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

7ch Stereo

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

Surround Decoder

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

Auto

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

Auto

PUT: turining 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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1. Power

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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:ZONE NAME=Parameter

[GET Command]

@ZONE2:ZONE NAME=?

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

- **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"

- **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

- **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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[SIGSTEREOMONO](#)

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 singal 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-A810

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-A810

Product Region: USA

\$Date:: \$

\$Revision: \$

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPOD:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPOD:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPOD:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPOD:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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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3. Others

[AVAIL](#)

[PAIRING](#)

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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-A810

Product Region: USA

\$Date:: \$

\$Revision: \$

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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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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

@RHAP:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@RHAP:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@RHAP:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

`@RHAP:LINE5TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

`@RHAP:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

`@RHAP:LINE6TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

`@RHAP:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

`@RHAP:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

`@RHAP:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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-A810

Product Region: USA

\$Date:: \$

\$Revision: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

`@SIRIUSIR:LINE1ATTRIB=?`

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:: \$

\$Revision: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

@PANDORA:LINE1ATTRIB=?

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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• LINE2ATTRIB

[GET Command]

@PANDORA:LINE2ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE3ATTRIB**

[GET Command]

@PANDORA:LINE3ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE4ATTRIB**

[GET Command]

@PANDORA:LINE4ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE5ATTRIB**

[GET Command]

@PANDORA:LINE5ATTRIB=?

[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

[Back To Index](#)

- **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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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

[Back To Index](#)

• LINE1ATTRIB

[GET Command]

@NAPSTER:LINE1ATTRIB=?

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](#)

- **LINE2ATTRIB**

[GET Command]

@NAPSTER:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@NAPSTER:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@NAPSTER:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **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:: \$

\$Revision: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

`@PC:LINE2ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

`@PC:LINE3TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

`@PC:LINE3ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

`@PC:LINE4TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

`@PC:LINE4ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

`@PC:LINE5TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

`@PC:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE6TXT**

[GET Command]

`@PC:LINE6TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE6ATTRIB**

[GET Command]

`@PC:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE7TXT**

[GET Command]

`@PC:LINE7TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE7ATTRIB**

[GET Command]

`@PC:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **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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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:LAYER", "@XXXX:LAYERNAME", "@XXXX:LINE1TXT" to
"@XXXX:LINE8TXT", "@XXXX:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@XXXX:CURRLINE" and
"@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LAYERNAME=?

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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- **LINE1ATTRIB**

[GET Command]

@NETRADIO:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@NETRADIO:LINE2ATTRIB=?

[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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- **LINE6ATTRIB**

[GET Command]

`@NETRADIO:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE7TXT**

[GET Command]

`@NETRADIO:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE7ATTRIB**

[GET Command]

`@NETRADIO:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE8TXT**

[GET Command]

`@NETRADIO:LINE8TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE8ATTRIB**

[GET Command]

`@NETRADIO:LINE8ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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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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4. Others

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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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- **LISPAGE**

[PUT Command]

@USB:LISPAGE=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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- **LISLAYER**

[GET Command]

@USB:LISLAYER=?

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

- **LINE2ATTRIB**

[GET Command]

@USB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@USB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@USB:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

@USB:LINE5ATTRIB=?

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- **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATRIB

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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:: \$

\$Revision: \$

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPODUSB:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPODUSB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPODUSB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPODUSB:LINE4ATTRIB=?

[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-A1010

Product Region: USA

\$Date:: \$

\$Revision: \$

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INPNAMEAV1

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INPNAMEAV3

INPNAMEAV4

INPNAMEAV5

INPNAMEAV6

INPNAMEAV7

INPNAMEVAUX

INPNAMEAUDIO1

INPNAMEAUDIO2

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INPNAMEAUDIO4

INPNAMEDOCK

INPNAMEUSB

TRIG1INPSIRIUS

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TRIG1INPMULTICH

TRIG1INPPHONO

TRIG1INPAV1

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TRIG2INPAUDIO4
TRIG2INPDOCK
TRIG2INPIPOD
TRIG2INPB
TRIG2INPUAW
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TRIG2INPRHAPSODY
TRIG2INPSIRIUSIR
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VIDANLGCONV
SPPATTERN

SPPATTERN1AMP
SPPATTERN1FRNTCNFG
SPPATTERN1CENTCNFG
SPPATTERN1SURCNFG
SPPATTERN1SURBCNFG
SPPATTERN1FRNTPRES
SPPATTERN1SWFR1CNFG
SPPATTERN1SWFR1PHASE
SPPATTERN1EXBASS
SPPATTERN1SWFRCRSOVR
SPPATTERN2AMP
SPPATTERN2FRNTCNFG
SPPATTERN2CENTCNFG
SPPATTERN2SURCNFG
SPPATTERN2SURBCNFG
SPPATTERN2FRNTPRES
SPPATTERN2SWFR1CNFG
SPPATTERN2SWFR1PHASE
SPPATTERN2SWFR2CNFG
SPPATTERN2SWFR2PHASE
SPPATTERN2EXBASS
SPPATTERN2SWFRCRSOVR
DMCCONTROL
YNAPORT
TRIG1MANUAL
TRIG1TYPE
TRIG1ZONE
TRIG2MANUAL
TRIG2TYPE
TRIG2ZONE
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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- **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.

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

- **SPPATTERN2FRNTCNFG**

[PUT Command]

@SYS:SPPATTERN2FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTCNFG=?

[Parameters]

Parameters are the same as SPPATTERN1FRNTCNFG

- **SPPATTERN2CENTCNFG**

[PUT Command]

@SYS:SPPATTERN2CENTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2CENTCNFG=?

[Parameters]

Parameters are the same as SPPATTERN1CENTCNFG

- **SPPATTERN2SURCNFG**

[PUT Command]

@SYS:SPPATTERN2SURCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SURCNFG=?

[Parameters]

Parameters are the same as SPPATTERN1SURCNFG

- **SPPATTERN2SURBCNFG**

[PUT Command]

@SYS:SPPATTERN2SURBCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SURBCNFG=?

[Parameters]

- **SPPATTERN2FRNTPRES**

[PUT Command]

@SYS:SPPATTERN2FRNTPRES=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTPRES=?

[Parameters]

Parameters are the same as *SPPATTERN1FRNTPRES*

- **SPPATTERN2SWFR1CNFG**

[PUT Command]

@SYS:SPPATTERN2SWFR1CNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR1CNFG=?

[Parameters]

Parameters are the same as *SPPATTERN1SWFR1CNFG*

- **SPPATTERN2SWFR1PHASE**

[PUT Command]

@SYS:SPPATTERN2SWFR1PHASE=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR1PHASE=?

[Parameters]

Parameters are the same as *SPPATTERN1SWFR1PHASE*

- **SPPATTERN2SWFR2CNFG**

[PUT Command]

@SYS:SPPATTERN2SWFR2CNFG=Parameter

[GET Command]

@SYS:SPPATTERN2SWFR2CNFG=?

[Parameters]

Parameters are the same as *SPPATTERN1SWFR2CNFG*

- **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]

- **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

- **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

- **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

- **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

- **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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• TRIG1INPB

[PUT Command]

@SYS:TRIG1INPB=Parameter

[GET Command]

@SYS:TRIG1INPB=?

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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- **TRIG2INPB**

[PUT Command]

`@SYS:TRIG2INPB=Parameter`

[GET Command]

`@SYS:TRIG2INPB=?`

[Parameters]

Parameters are the same as TRIG1INPB

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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

- **SCENENAME**

[GET Command]

@MAIN:SCENENAME=?

Retrieving renamed info of all SCENE presets for Main Zone

- **SCENE1NAME**

[GET Command]

@MAIN:SCENE1NAME=?

Retrieving renamed info of SCENE1

[Parameters]

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

GET Only

- **SCENE2NAME**

[GET Command]

@MAIN:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as SCENE1NAME

- **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

- **SCENE5NAME**

[GET Command]

`@MAIN:SCENE5NAME=?`

Retrieving renamed info of SCENE5

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE6NAME**

[GET Command]

`@MAIN:SCENE6NAME=?`

Retrieving renamed info of SCENE6

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE7NAME**

[GET Command]

`@MAIN:SCENE7NAME=?`

Retrieving renamed info of SCENE7

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE8NAME**

[GET Command]

`@MAIN:SCENE8NAME=?`

Retrieving renamed info of SCENE8

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE9NAME**

[GET Command]

@MAIN:SCENE9NAME=?

Retrieving renamed info of SCENE9

[Parameters]

Parameters are the same as SCENE1NAME

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- **SCENE10NAME**

[GET Command]

@MAIN:SCENE10NAME=?

Retrieving renamed info of SCENE10

[Parameters]

Parameters are the same as SCENE1NAME

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- **SCENE11NAME**

[GET Command]

@MAIN:SCENE11NAME=?

Retrieving renamed info of SCENE11

[Parameters]

Parameters are the same as SCENE1NAME

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- **SCENE12NAME**

[GET Command]

@MAIN:SCENE12NAME=?

Retrieving renamed info of SCENE12

[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

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)

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:HDMI AUDOUTAMP=?

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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• **HDMI AUDOUT1**

[PUT Command]

@MAIN:HDMI AUDOUT1=Parameter

[GET Command]

@MAIN:HDMI AUDOUT1=?

Operating & retrieving HDMI Audio Output to HDMI OUT1 setting state

[Parameters]

Parameters are the same as [HDMI AUDOUTAMP](#)

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• **HDMI AUDOUT2**

[PUT Command]

@MAIN:HDMI AUDOUT2=Parameter

[GET Command]

@MAIN:HDMI AUDOUT2=?

Operating & retrieving HDMI Audio Output to HDMI OUT2 setting state

[Parameters]

Parameters are the same as [HDMI AUDOUTAMP](#)

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

Hall in Vienna

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

Chamber

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

Cellar Club

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

The Roxy Theatre

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

The Bottom Line

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

Sports

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

Action Game

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

Roleplaying Game

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

Music Video

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

Standard

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

Spectacle

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

Sci-Fi

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

Adventure

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

Drama

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

Mono Movie

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

2ch Stereo

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

7ch Stereo

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

Surround Decoder

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

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[PUT Command]

@MAIN:ADAPTIVEDSP=Parameter

[GET Command]

@MAIN:ADAPTIVEDSP=?

Operating & retrieving Adaptive DSP setting state

[Parameters]

Off

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

Auto

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

Auto

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

Auto

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

Dolby PLIIx Movie

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

Dolby PLIIx Music

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

EX/ES

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

Dolby PLII Music

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

Dolby PLII Game

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

Dolby PLIIX Movie

PUT: turining its setting state to Dolby PLIIX Movie / GET: indicating Dolby PLIIX Movie setting status.

Dolby PLIIX Music

PUT: turining its setting state to Dolby PLIIX Music / GET: indicating Dolby PLIIX Music setting status.

Dolby PLIIX Game

PUT: turining its setting state to Dolby PLIIX Game / GET: indicating Dolby PLIIX Game setting status.

DTS NEO:6 Cinema

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

DTS NEO:6 Music

PUT: turining 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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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

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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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- **AUDIO MODE**

[PUT Command]

@HDRADIO:AUDIO MODE=Parameter

[GET Command]

@HDRADIO:AUDIO MODE=?

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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- **HDSINFO**

[GET Command]

`@HDRADIO:HDSINFO=?`

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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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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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPOD:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPOD:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPOD:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPOD:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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

[Back To Index](#)

- **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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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

@RHAP:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@RHAP:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@RHAP:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@RHAP:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@RHAP:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

`@RHAP:LINE5TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

`@RHAP:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

`@RHAP:LINE6TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

`@RHAP:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

`@RHAP:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

`@RHAP:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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-A1010

Product Region: USA

\$Date:: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

`@SIRIUSIR:LINE1ATTRIB=?`

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-A1010

Product Region: USA

\$Date:: \$

\$Revision: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

@PANDORA:LINE1ATTRIB=?

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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• LINE2ATTRIB

[GET Command]

@PANDORA:LINE2ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE3ATTRIB**

[GET Command]

@PANDORA:LINE3ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE4ATTRIB**

[GET Command]

@PANDORA:LINE4ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE5ATTRIB**

[GET Command]

@PANDORA:LINE5ATTRIB=?

[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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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

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- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as ARTIST

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- **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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

[Back To Index](#)

• LINE1ATTRIB

[GET Command]

@NAPSTER:LINE1ATTRIB=?

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](#)

- **LINE2ATTRIB**

[GET Command]

@NAPSTER:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@NAPSTER:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@NAPSTER:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **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:: \$

\$Revision: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

`@PC:LINE2ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

`@PC:LINE3TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

`@PC:LINE3ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

`@PC:LINE4TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

`@PC:LINE4ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

`@PC:LINE5TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

`@PC:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE6TXT**

[GET Command]

`@PC:LINE6TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE6ATTRIB**

[GET Command]

`@PC:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE7TXT**

[GET Command]

`@PC:LINE7TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE7ATTRIB**

[GET Command]

`@PC:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **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-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:LAYER", "@XXXX:LAYERNAME", "@XXXX:LINE1TXT" to
"@XXXX:LINE8TXT", "@XXXX:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@XXXX:CURRLINE" and
"@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LAYERNAME=?

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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- **LINE1ATTRIB**

[GET Command]

@NETRADIO:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@NETRADIO:LINE2ATTRIB=?

[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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- **LINE6ATTRIB**

[GET Command]

`@NETRADIO:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE7TXT**

[GET Command]

`@NETRADIO:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE7ATTRIB**

[GET Command]

`@NETRADIO:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE8TXT**

[GET Command]

`@NETRADIO:LINE8TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE8ATTRIB**

[GET Command]

`@NETRADIO:LINE8ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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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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4. Others

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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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- **LISPAGE**

[PUT Command]

@USB:LISPAGE=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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- **LISLAYER**

[GET Command]

@USB:LISLAYER=?

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

- **LINE2ATTRIB**

[GET Command]

@USB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@USB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@USB:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATRIB

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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:: \$

\$Revision: \$

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPODUSB:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPODUSB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPODUSB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPODUSB:LINE4ATTRIB=?

[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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2. Volume

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TRIG2INPSIRIUS
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TRIG2INPAV3
TRIG2INPAV4
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TRIG2INPAV7
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TRIG2INPAUDIO4
TRIG2INPDOCK
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TRIG2INPB
TRIG2INPUAW
TRIG2INPNET
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YNCAPORT
TRIG1MANUAL
TRIG1TYPE
TRIG1ZONE
TRIG2MANUAL
TRIG2TYPE
TRIG2ZONE
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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• 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: turining its state to Standby / GET: indicating Standby status.

On

PUT: turining 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 SPPATTERNIAMP

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- **SPPATTERN2FRNTCNFG**

[PUT Command]

@SYS:SPPATTERN2FRNTCNFG=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTCNFG=?

[Parameters]

Parameters are the same as SPPATTERNIFRNTCNFG

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- **SPPATTERN2FRNTCRSOVR**

[PUT Command]

@SYS:SPPATTERN2FRNTCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTCRSOVR=?

[Parameters]

Parameters are the same as SPPATTERNIFRNTCRSOVR

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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]

- **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

- **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

- **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

- **TRIG1INPB**

[PUT Command]

@SYS:TRIG1INPB=Parameter

[GET Command]

@SYS:TRIG1INPB=?

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

- **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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- **TRIG2INPB**

[PUT Command]

@SYS:TRIG2INPB=Parameter

[GET Command]

@SYS:TRIG2INPB=?

[Parameters]

Parameters are the same as [TRIG1INPB](#)

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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

- **SCENENAME**

[GET Command]

@MAIN:SCENENAME=?

Retrieving renamed info of all SCENE presets for Main Zone

- **SCENE1NAME**

[GET Command]

@MAIN:SCENE1NAME=?

Retrieving renamed info of SCENE1

[Parameters]

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

GET Only

- **SCENE2NAME**

[GET Command]

@MAIN:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as SCENE1NAME

- **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

- **SCENE5NAME**

[GET Command]

`@MAIN:SCENE5NAME=?`

Retrieving renamed info of SCENE5

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE6NAME**

[GET Command]

`@MAIN:SCENE6NAME=?`

Retrieving renamed info of SCENE6

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE7NAME**

[GET Command]

`@MAIN:SCENE7NAME=?`

Retrieving renamed info of SCENE7

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE8NAME**

[GET Command]

`@MAIN:SCENE8NAME=?`

Retrieving renamed info of SCENE8

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE9NAME**

[GET Command]

@MAIN:SCENE9NAME=?

Retrieving renamed info of SCENE9

[Parameters]

Parameters are the same as SCENE1NAME

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- **SCENE10NAME**

[GET Command]

@MAIN:SCENE10NAME=?

Retrieving renamed info of SCENE10

[Parameters]

Parameters are the same as SCENE1NAME

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- **SCENE11NAME**

[GET Command]

@MAIN:SCENE11NAME=?

Retrieving renamed info of SCENE11

[Parameters]

Parameters are the same as SCENE1NAME

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- **SCENE12NAME**

[GET Command]

@MAIN:SCENE12NAME=?

Retrieving renamed info of SCENE12

[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

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: turining 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: turining its setting state to Off / GET: indicating Off setting status.

On

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

16:9 Normal

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

Smart Zoom

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

480p / 576p

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

720p

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

1080i

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

1080p

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

Through

PUT: turining 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.

- **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.

- **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: turining its setting state to Hall in Vienna / GET: indicating Hall in Vienna setting status.

Hall in Amsterdam

PUT: turining its setting state to Hall in Amsterdam / GET: indicating Hall in Amsterdam setting status.

Church in Freiburg

PUT: turining its setting state to Church in Freiburg / GET: indicating Church in Freiburg setting status.

Church in Royaumont

PUT: turining its setting state to Church in Royaumont / GET: indicating Church in Royaumont setting status.

Chamber

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

Village Vanguard

PUT: turining its setting state to Village Vanguard / GET: indicating Village Vanguard setting status.

Warehouse Loft

PUT: turining its setting state to Warehouse Loft / GET: indicating Warehouse Loft setting status.

Cellar Club

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

The Roxy Theatre

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

The Bottom Line

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

Sports

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

Action Game

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

Roleplaying Game

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

Music Video

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

Recital/Opera

PUT: turining its setting state to Recital/Opera / GET: indicating Recital/Opera setting status.

Standard

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

Spectacle

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

Sci-Fi

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

Adventure

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

Drama

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

Mono Movie

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

2ch Stereo

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

9ch Stereo

PUT: turining its setting state to 9ch Stereo / GET: indicating 9ch Stereo setting status.

Surround Decoder

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

Auto

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

Auto

PUT: turining 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

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Sub Unit : ZONE2

Function Tree version: 1.10

Firmware version: 1.03-

Model: RX-A2010

Product Region: USA

\$Date:: \$

\$Revision: \$

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1. Power

PWR

SLEEP

2. Volume

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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

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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

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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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Command Details of SubUnit: ZONE3

- **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

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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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- **AUDIO MODE**

[PUT Command]

@HDRADIO:AUDIO MODE=Parameter

[GET Command]

@HDRADIO:AUDIO MODE=?

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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- **HDSINFO**

[GET Command]

`@HDRADIO:HDSINFO=?`

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

[Back To Index](#)

- **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

[Back To Index](#)

• 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

[Back To Index](#)

- **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

[Back To Index](#)

• 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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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

[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.

[Back To Index](#)

• 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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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

[Back To Index](#)

- **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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPOD:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPOD:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPOD:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPOD:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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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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-A2010

Product Region: USA

\$Date:: \$

\$Revision: \$

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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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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

`@RHAP:LINE2ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

`@RHAP:LINE3TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

`@RHAP:LINE3ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

`@RHAP:LINE4TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

`@RHAP:LINE4ATTRIB=?`

[Parameters]

- **LINE5TXT**

[GET Command]

`@RHAP:LINE5TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

`@RHAP:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

`@RHAP:LINE6TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

`@RHAP:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

`@RHAP:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

`@RHAP:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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-A2010

Product Region: USA

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

`@SIRIUSIR:LINE1ATTRIB=?`

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-A2010

Product Region: USA

\$Date:: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

@PANDORA:LINE1ATTRIB=?

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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• LINE2ATTRIB

[GET Command]

@PANDORA:LINE2ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE3ATTRIB**

[GET Command]

@PANDORA:LINE3ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE4ATTRIB**

[GET Command]

@PANDORA:LINE4ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE5ATTRIB**

[GET Command]

@PANDORA:LINE5ATTRIB=?

[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

[Back To Index](#)

- **LINE8ATTRIB**

[GET Command]

@PANDORA:LINE8ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

[Back To Index](#)

- **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

[Back To Index](#)

- **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:: \$

\$Revision: \$

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

[Back To Index](#)

• LINE1ATTRIB

[GET Command]

@NAPSTER:LINE1ATTRIB=?

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](#)

- **LINE2ATTRIB**

[GET Command]

@NAPSTER:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@NAPSTER:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@NAPSTER:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **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:: \$

\$Revision: \$

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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

`@PC:LINE2ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

`@PC:LINE3TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

`@PC:LINE3ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

`@PC:LINE4TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

`@PC:LINE4ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

`@PC:LINE5TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

`@PC:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE6TXT**

[GET Command]

`@PC:LINE6TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE6ATTRIB**

[GET Command]

`@PC:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE7TXT**

[GET Command]

`@PC:LINE7TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE7ATTRIB**

[GET Command]

`@PC:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **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-A2010

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:LAYER", "@XXXX:LAYERNAME", "@XXXX:LINE1TXT" to
"@XXXX:LINE8TXT", "@XXXX:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@XXXX:CURRLINE" and
"@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LAYERNAME=?

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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- **LINE1ATTRIB**

[GET Command]

@NETRADIO:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@NETRADIO:LINE2ATTRIB=?

[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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- **LINE6ATTRIB**

[GET Command]

`@NETRADIO:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE7TXT**

[GET Command]

`@NETRADIO:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE7ATTRIB**

[GET Command]

`@NETRADIO:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE8TXT**

[GET Command]

`@NETRADIO:LINE8TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE8ATTRIB**

[GET Command]

`@NETRADIO:LINE8ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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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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4. Others

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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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- **LISPAGE**

[PUT Command]

@USB:LISPAGE=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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- **LISLAYER**

[GET Command]

@USB:LISLAYER=?

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

- **LINE1ATTRIB**

[GET Command]

@USB:LINE1ATTRIB=?

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

- **LINE2ATTRIB**

[GET Command]

@USB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@USB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@USB:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

@USB:LINE5ATTRIB=?

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- **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATRIB

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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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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPODUSB:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPODUSB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPODUSB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPODUSB:LINE4ATTRIB=?

[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-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

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TRIG2INPRHAPSODY
TRIG2INPSIRIUSIR
TRIG2INPPANDORA
TRIG2INPNAPSTER
TRIG2INPPC
TRIG2INPNETRADIO
TRIG2INPUSB
TRIG2INPIPODUSB

4. Others

MODELNAME
VERSION
VIDANLGCONV
SPPATTERN

SPPATTERN1AMP
SPPATTERN1FRNTCNFG
SPPATTERN1FRNTCRSOVR
SPPATTERN1CENTCNFG
SPPATTERN1CENTCRSOVR
SPPATTERN1SURCNFG
SPPATTERN1SURCRSOVR
SPPATTERN1SURBCNFG
SPPATTERN1SURBCRSOVR
SPPATTERN1FRNTPRES
SPPATTERN1REARPRES
SPPATTERN1SWFR1CNFG
SPPATTERN1SWFR1PHASE
SPPATTERN1SWFR2CNFG
SPPATTERN1SWFR2PHASE
SPPATTERN1SWFRLAYOUT
SPPATTERN1EXBASS
SPPATTERN2AMP
SPPATTERN2FRNTCNFG
SPPATTERN2FRNTCRSOVR
SPPATTERN2CENTCNFG
SPPATTERN2CENTCRSOVR
SPPATTERN2SURCNFG
SPPATTERN2SURCRSOVR
SPPATTERN2SURBCNFG
SPPATTERN2SURBCRSOVR
SPPATTERN2FRNTPRES
SPPATTERN2REARPRES
SPPATTERN2SWFR1CNFG
SPPATTERN2SWFR1PHASE
SPPATTERN2SWFR2CNFG
SPPATTERN2SWFR2PHASE
SPPATTERN2SWFRLAYOUT
SPPATTERN2EXBASS
DMCCONTROL
YNCAPORT
TRIG1MANUAL
TRIG1TYPE
TRIG1ZONE
TRIG2MANUAL
TRIG2TYPE
TRIG2ZONE
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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• 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: turining its state to Standby / GET: indicating Standby status.

On

PUT: turining 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

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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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• SPPATTERN2FRNTCRSOVR

[PUT Command]

@SYS:SPPATTERN2FRNTCRSOVR=Parameter

[GET Command]

@SYS:SPPATTERN2FRNTCRSOVR=?

[Parameters]

Parameters are the same as SPPATTERN1FRNTCRSOVR

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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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• SPPATTER2REARPRES

[PUT Command]

@SYS:SPPATTER2REARPRES=Parameter

[GET Command]

@SYS:SPPATTER2REARPRES=?

[Parameters]

Parameters are the same as SPPATTER1REARPRES

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• SPPATTER2SWFR1CNFG

[PUT Command]

@SYS:SPPATTER2SWFR1CNFG=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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- **SPPATTER2EXBASS**

[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]

- **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

- **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

- **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

- **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

- **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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• TRIG1INPB

[PUT Command]

@SYS:TRIG1INPB=Parameter

[GET Command]

@SYS:TRIG1INPB=?

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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- **TRIG2INPB**

[PUT Command]

@SYS:TRIG2INPB_T=Parameter

[GET Command]

@SYS:TRIG2INPB_T=?

[Parameters]

Parameters are the same as [TRIG1INPB_T](#)

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- **TRIG2INPUAW**

[PUT Command]

@SYS:TRIG2INPUA_W=Parameter

[GET Command]

@SYS:TRIG2INPUA_W=?

[Parameters]

Parameters are the same as [TRIG1INPUA_W](#)

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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

- **SCENENAME**

[GET Command]

@MAIN:SCENENAME=?

Retrieving renamed info of all SCENE presets for Main Zone

- **SCENE1NAME**

[GET Command]

@MAIN:SCENE1NAME=?

Retrieving renamed info of SCENE1

[Parameters]

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

GET Only

- **SCENE2NAME**

[GET Command]

@MAIN:SCENE2NAME=?

Retrieving renamed info of SCENE2

[Parameters]

Parameters are the same as SCENE1NAME

- **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

- **SCENE5NAME**

[GET Command]

`@MAIN:SCENE5NAME=?`

Retrieving renamed info of SCENE5

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE6NAME**

[GET Command]

`@MAIN:SCENE6NAME=?`

Retrieving renamed info of SCENE6

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE7NAME**

[GET Command]

`@MAIN:SCENE7NAME=?`

Retrieving renamed info of SCENE7

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE8NAME**

[GET Command]

`@MAIN:SCENE8NAME=?`

Retrieving renamed info of SCENE8

[Parameters]

Parameters are the same as SCENE1NAME

- **SCENE9NAME**

[GET Command]

@MAIN:SCENE9NAME=?

Retrieving renamed info of SCENE9

[Parameters]

Parameters are the same as SCENE1NAME

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- **SCENE10NAME**

[GET Command]

@MAIN:SCENE10NAME=?

Retrieving renamed info of SCENE10

[Parameters]

Parameters are the same as SCENE1NAME

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- **SCENE11NAME**

[GET Command]

@MAIN:SCENE11NAME=?

Retrieving renamed info of SCENE11

[Parameters]

Parameters are the same as SCENE1NAME

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- **SCENE12NAME**

[GET Command]

@MAIN:SCENE12NAME=?

Retrieving renamed info of SCENE12

[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

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: turining 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: turining its setting state to Off / GET: indicating Off setting status.

On

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

16:9 Normal

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

Smart Zoom

PUT: turining 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.

- **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.

- **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: turining its setting state to Hall in Vienna / GET: indicating Hall in Vienna setting status.

Hall in Amsterdam

PUT: turining its setting state to Hall in Amsterdam / GET: indicating Hall in Amsterdam setting status.

Church in Freiburg

PUT: turining its setting state to Church in Freiburg / GET: indicating Church in Freiburg setting status.

Church in Royaumont

PUT: turining its setting state to Church in Royaumont / GET: indicating Church in Royaumont setting status.

Chamber

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

Village Vanguard

PUT: turining its setting state to Village Vanguard / GET: indicating Village Vanguard setting status.

Warehouse Loft

PUT: turining its setting state to Warehouse Loft / GET: indicating Warehouse Loft setting status.

Cellar Club

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

The Roxy Theatre

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

The Bottom Line

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

Sports

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

Action Game

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

Roleplaying Game

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

Music Video

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

Recital/Opera

PUT: turining its setting state to Recital/Opera / GET: indicating Recital/Opera setting status.

Standard

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

Spectacle

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

Sci-Fi

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

Adventure

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

Drama

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

Mono Movie

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

2ch Stereo

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

9ch Stereo

PUT: turining its setting state to 9ch Stereo / GET: indicating 9ch Stereo setting status.

Surround Decoder

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

Auto

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

Auto

PUT: turining 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

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Sub Unit : ZONE2

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: 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

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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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Command Details of SubUnit: ZONE3

- **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

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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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SCENE

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

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- ZONENAME

[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 SCENE1NAME

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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

[Back To Index](#)

• 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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• **AUDIO MODE**

[PUT Command]

@HDRADIO:AUDIO MODE=Parameter

[GET Command]

@HDRADIO:AUDIO MODE=?

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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- **HDSINFO**

[GET Command]

`@HDRADIO:HDSINFO=?`

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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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPOD:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPOD:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPOD:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPOD:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPOD:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPOD:LINE4ATTRIB=?

[Parameters]

- **LINE5TXT**

[GET Command]

@IPOD:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

@IPOD:LINE5ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

@IPOD:LINE6TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

@IPOD:LINE6ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

@IPOD:LINE7TXT=?

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

@IPOD:LINE7ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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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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

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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-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

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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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4. Others

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[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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

`@RHAP:LINE2ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

`@RHAP:LINE3TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

`@RHAP:LINE3ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

`@RHAP:LINE4TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

`@RHAP:LINE4ATTRIB=?`

[Parameters]

- **LINE5TXT**

[GET Command]

`@RHAP:LINE5TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE5ATTRIB**

[GET Command]

`@RHAP:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE6TXT**

[GET Command]

`@RHAP:LINE6TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE6ATTRIB**

[GET Command]

`@RHAP:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **LINE7TXT**

[GET Command]

`@RHAP:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

- **LINE7ATTRIB**

[GET Command]

`@RHAP:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

- **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:: \$

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4. Others

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[CHNAME](#)
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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

`@SIRIUSIR:LINE1ATTRIB=?`

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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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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• LINE1ATTRIB

[GET Command]

@PANDORA:LINE1ATTRIB=?

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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• LINE2ATTRIB

[GET Command]

@PANDORA:LINE2ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE3TXT**

[GET Command]

@PANDORA:LINE3TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE3ATTRIB**

[GET Command]

@PANDORA:LINE3ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE4TXT**

[GET Command]

@PANDORA:LINE4TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE4ATTRIB**

[GET Command]

@PANDORA:LINE4ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATTRIB

[Back To Index](#)

- **LINE5TXT**

[GET Command]

@PANDORA:LINE5TXT=?

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE5ATTRIB**

[GET Command]

@PANDORA:LINE5ATTRIB=?

[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

[Back To Index](#)

- **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:: \$

\$Revision: \$

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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

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- **SONG**

[GET Command]

@NAPSTER:SONG=?

Retrieving Song Title

Initial Auto Feedback is Available

[Parameters]

Parameters are the same as ARTIST

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- **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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

[Back To Index](#)

• LINE1ATTRIB

[GET Command]

@NAPSTER:LINE1ATTRIB=?

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](#)

- **LINE2ATTRIB**

[GET Command]

@NAPSTER:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@NAPSTER:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@NAPSTER:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@NAPSTER:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@NAPSTER:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@NAPSTER:LINE5TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE5ATTRIB**

[GET Command]

@NAPSTER:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@NAPSTER:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@NAPSTER:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@NAPSTER:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@NAPSTER:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **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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4. Others

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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

- **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

- **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

- **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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- **LINE2ATTRIB**

[GET Command]

`@PC:LINE2ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

`@PC:LINE3TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

`@PC:LINE3ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

`@PC:LINE4TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

`@PC:LINE4ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

`@PC:LINE5TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

`@PC:LINE5ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE6TXT**

[GET Command]

`@PC:LINE6TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE6ATTRIB**

[GET Command]

`@PC:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE7TXT**

[GET Command]

`@PC:LINE7TXT=?`

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE7ATTRIB**

[GET Command]

`@PC:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **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-A3010

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:LAYER", "@XXXX:LAYERNAME", "@XXXX:LINE1TXT" to
"@XXXX:LINE8TXT", "@XXXX:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@XXXX:CURRLINE" and
"@XXXX:MAXLINE" (XXXX = SubUnit name)

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• LISTLAYER

[GET Command]

@NETRADIO:LAYER=?

Retrieving the current depth of layers.

[Parameters]

Numerical Number: 1 to 16, Step: 1

GET Only

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• LISTLAYERNAME

[GET Command]

@NETRADIO:LAYERNAME=?

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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- **LINE1ATTRIB**

[GET Command]

@NETRADIO:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@NETRADIO:LINE2ATTRIB=?

[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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- **LINE6ATTRIB**

[GET Command]

`@NETRADIO:LINE6ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE7TXT**

[GET Command]

`@NETRADIO:LINE7TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE7ATTRIB**

[GET Command]

`@NETRADIO:LINE7ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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- **LINE8TXT**

[GET Command]

`@NETRADIO:LINE8TXT=?`

[Parameters]

Parameters are the same as LINE1TXT

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- **LINE8ATTRIB**

[GET Command]

`@NETRADIO:LINE8ATTRIB=?`

[Parameters]

Parameters are the same as LINE1ATTRIB

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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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4. Others

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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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- **LISPAGE**

[PUT Command]

@USB:LISPAGE=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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- **LISLAYER**

[GET Command]

@USB:LISLAYER=?

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

- **LINE2ATTRIB**

[GET Command]

@USB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE3TXT**

[GET Command]

@USB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE3ATTRIB**

[GET Command]

@USB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE4TXT**

[GET Command]

@USB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE4ATTRIB**

[GET Command]

@USB:LINE4ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

- **LINE5TXT**

[GET Command]

@USB:LINE5TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

- **LINE5ATTRIB**

[GET Command]

@USB:LINE5ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE6TXT**

[GET Command]

@USB:LINE6TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE6ATTRIB**

[GET Command]

@USB:LINE6ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE7TXT**

[GET Command]

@USB:LINE7TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE7ATTRIB**

[GET Command]

@USB:LINE7ATTRIB=?

[Parameters]*Parameters are the same as LINE1ATTRIB*[Back To Index](#)

- **LINE8TXT**

[GET Command]

@USB:LINE8TXT=?

[Parameters]*Parameters are the same as LINE1TXT*[Back To Index](#)

- **LINE8ATTRIB**

[GET Command]

@USB:LINE8ATTRIB=?

[Parameters]

Parameters are the same as LINE1ATRIB

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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-A3010

Product Region: USA

\$Date:: \$

\$Revision: \$

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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:LINE1ATRIB" to "@XXXX:LINE8ATRIB", "@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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- **LINE1ATTRIB**

[GET Command]

@IPODUSB:LINE1ATTRIB=?

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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- **LINE2ATTRIB**

[GET Command]

@IPODUSB:LINE2ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE3TXT**

[GET Command]

@IPODUSB:LINE3TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE3ATTRIB**

[GET Command]

@IPODUSB:LINE3ATTRIB=?

[Parameters]

Parameters are the same as [LINE1ATTRIB](#)

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- **LINE4TXT**

[GET Command]

@IPODUSB:LINE4TXT=?

[Parameters]

Parameters are the same as [LINE1TXT](#)

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- **LINE4ATTRIB**

[GET Command]

@IPODUSB:LINE4ATTRIB=?

[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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 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
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 700F 7A85-710E 7A85-720D 7A85-730C 7A85-740B 7A85-750A 7A85-98E7 7A85-99E6
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 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-
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 7F01-730C 7F01-740B 7F01-7A05 7F01-3FC0 7F01-40BF 7F01-41BE 7F01-49B6 7F01-
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€IyIyyIyIyyTMIyTMIyTMyäää3fy3IITMIyIyTMyffffTM—3f3TMf333TM3TM3f33TM333...k%Standard...1/4Extended

Œ I8I)+Q9x¶ HÈ½ñU“@

ik'á, ¼

dü©ñÒMbP?_*+,€%ŒQQÁf,,&M&“Éd2é?’M&“Éd2é?(aï-ûý~ï?)aï-ûý~ï?M-RICOH imagio Neo C455i”•jýoeøý €4dXXA4ÿIýÿffÿ€€IíIÿ€ÿ,RPCSRC8FD170.ini01.0001.00RCOMMON?ÿprivø=ÔĐ¤ÿXXf vpxxf vpxx,@dd ,l,r ,oF SfVfbfN

ù€€ 8FD1jp.HLP8FD1jp.HLPÑÀ&Ì6À&Ì6,l,r ,ofSfVfbfNFF§48FD1jp.HL8FD1jp.8FD1jp.8FD;"WXXfÀ`à?fÀ`à?
ExtendedU}

$\times \} \{] \} \quad \quad \] \} \quad \{ \} \quad \] \} \} \quad \|$

I

žStandard IR codes^{3/4}

Y 3/4" C

FunctionGroup|FunctionName|Zone|

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

‘POWER

&POWER'ON/OFF)MAIN

-7E-2A• 7E81-2AD5)7E-2AD4(7E81-2AD4©YES ^aYES

«YES-¬YES^aYES

©YES©YES^aYES«YES¬YES^aY

3ZONE2-7A-453A• 7A85-453A-7A-453B(

- YESzYES®YES

YES YES® YES - Y

bZONE3-7A-4639• 7A85-4639-7A-4638(

NO

NO

100

¬NOzYES®YES

NO
NO
®NO

¬NOzYES®YES

NO^{3/4}d./

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 °YES³YES^{3/4} d*+

3ZONE2

37A-31 } 7A85-31CE 37A-31CF , 7A85-31CF YES ®YES

¬ YES zYES ®YES

YES YES ®YES ¬ YES zYES ®YES YES^{3/4}

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

,NO
¹NO
·NO
¶YES¶YES· YES
,NO
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

NO^{3/4d*}+

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 `YES

μNO

wNO

¬NO

³YES³YES `YES

μNO

wNO

¬NO³YES³4d*+

3ZONE2-7A-4B34• 7A85-4B34-7A-4B35(7A85-4B35

NO

®NO

¬NO

zNO

®NO

NO

NO

®NO

¬NO

zNO

®NO

NO^{3/4d./}

7ZONE3;7A-4C33/ 7A85-4C33;7A-4C32E 7A85-4C32

°NO

»NO

¹/₄NO

¹/₂NO

»NO

°NO

°NO

»NO
¼NO
½NO
»NO
°NOeHDMI- 305MAIN-7A-4D32• 7A85-4D32-7A-4D33(7A85-4D33©YES °YES

«NO
¬NO
^aNO
©YES©YES^aYES
«NO
¬NO
^aNO©YES^{¾d*}+
3ZONE2-7A-4E31• 7A85-4E31-7A-4E30(7A85-4E30
NO
 ®NO

¬NO
zNO
®NO

NO
NO
®NO
¬NO
zNO
®NO
NO^{¾d./}
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
^³YES^³YES °YES
μNO
wNO
¬NO^³YES^³YES^{¾d*}+
3ZONE2-7A-512E• 7A85-512E-7A-512F(7A85-512F
NO
 ®NO

-NO
zNO
®NO

NO
NO
®NO
-NO
zNO
®NO
NO^{3/4d./}
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 ^aYES

«NO
¬NO
^aNO
©YES©YES^aYES
«NO
¬NO
^aNO©YES^{3/4d*+}
3ZONE237A-710E} 7A85-710E37A-710F, 7A85-710F
NO
®NO

-NO
zNO
®NO

NO
NO
®NO
-NO
zNO
®NO
NO^{3/4d./}
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

³NO^¾d*+

3ZONE237A-740B} 7A85-740B37A-740A, 7A85-740A

NO

[®]NO

⁻NO
zNO
[®]NO

NO
NO
[®]NO
⁻NO
zNO
[®]NO

NO^¾d\$%

7ZONE3;7A-750A/ 7A85-750A;7A-750BE 7A85-750B

[°]NO

[»]NO

^¼NO
^½NO
[»]NO

[°]NO
[°]NO
[»]NO
^¼NO
^½NO
[»]NO

[°]NOeHDMI- 705MAIN-7A-98E7• 7A85-98E7-7A-98E6(7A85-98E6

³NO [~]YES

μNO
wNO
'NO

³NO
³NO 'YES

μNO
wNO
'NO

³NO³/4d*+

3ZONE237A-99E6} 7A85-99E637A-99E7, 7A85-99E7

NO

®NO

¬NO
zNO
®NO

NO

NO

®NO

¬NO

zNO

®NO

NO³/4 d./

7ZONE3 ;7A-9AE5 / 7A85-9AE5 ;7A-9AE4 E 7A85-9AE4

°NO

»NO

¼NO
½NO
»NO

°NO

°NO

»NO

¼NO

½NO

»NO

°NO×DV%l+'F% ?#<555511!"#\$%&'()*+,-./0123456789:;<=>?@!e

!AV- 1!0!5MAIN!-7A-532C!• 7A85-532C!-7A-532D!(7A85-532D!³YES! 'YES!

μYES!wYES!'YES!

³YES!³YES!'YES!μYES!wYES!'YES!³YES³/4d*+

"3ZONE2"-7A-542B"• 7A85-542B"-7A-542A"(7A85-542A

"NO

" " ®NO"

¬ YES"zYES"®YES

"

NO

"NO

"®NO"¬ YES"zYES"®YES

"NO³/4d#+

#bZONE3#27A-552A#+ 7A85-552A#27A-552B#@ 7A85-552B

#NO
®NO

- NO#zYES#@YES

NO
#NO
#@NO
#- NO#zYES#@YES
#NO¾\$./
\$bZONE4\$b7A-84FB\$— 7A85-84FB\$b7A-84FA\$1 7A85-84FA
\$°NO
\$ »NO
\$
¼NO
\$½NO\$»YES
\$
°NO
\$°NO
\$»NO
\$¼NO
\$½NO\$»YES
\$°NO%e
%AV- 2%0%5MAIN%57A-5629%€ 7A85-5629%57A-5628%4 7A85-5628%³YES% 'YES%
μYES%wYES% 'YES%
³YES%³YES% 'YES%μYES%wYES% 'YES%³YES¾&d*+
&3ZONE2&37A-5728&} 7A85-5728&37A-5729&, 7A85-5729
&NO
& ®NO&
- YES&zYES&@YES
&
NO
&NO
&®NO&- YES&zYES&@YES
&NO¾'d#+
'3ZONE3'37A-5827'} 7A85-5827'37A-5826', 7A85-5826
'NO
' ®NO
'
- NO'zYES'®YES
'
NO
'NO
'@NO
-' NO'zYES'®YES
'NO¾(d./
(7ZONE4(77A-85FA(Y 7A85-85FA(77A-85FB(6 7A85-85FB
(°NO
(»NO
(
¼NO
(½NO(»YES
(
°NO

(°NO
(»NO
(¼NO
(½NO(»YES
(°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)³YES³¼*d*+
*3ZONE2*37A-5A25*) 7A85-5A25*37A-5A24*, 7A85-5A24
*NO
* ®NO*
- YES*zYES*®YES
*
NO
*NO
®NO- YES*zYES*®YES
*NO³¼+d#+
+3ZONE3+37A-5B24+) 7A85-5B24+37A-5B25+, 7A85-5B25
+NO
+ ®NO
+
- NO+zYES+®YES
+
NO
+NO
+®NO
+ NO+zYES+®YES
+NO³¼,d./
,7ZONE4,77A-86F9,Y 7A85-86F9,77A-86F8,6 7A85-86F8
,NO
, »NO
,
¼NO
,½NO,»YES
,
°NO
,°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-³YES³¼.d*+
.3ZONE2.37A-5D22.) 7A85-5D22.37A-5D23., 7A85-5D23
.NO
. ®NO.
- YES.zYES.®YES
.NO
.NO
.®NO.- YES.zYES.®YES
.NO³¼/d#+
/3ZONE3/37A-5E21/) 7A85-5E21/37A-5E20/, 7A85-5E20

/NO
/ ®NO
/
- NO/zYES/®YES
/
NO
/NO
/®NO
/- NO/zYES/®YES
/NO^{3/4}d./
07ZONE4077A-87F80Y 7A85-87F8077A-87F906 7A85-87F9
0°NO
0 »NO
0
1/4NO
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`YES1³YES^{3/4}2d*+
23ZONE22-7A-601F2• 7A85-601F2-7A-601E2(7A85-601E2YES2 ®YES
2
- NO
2zNO
2®NO2
YES2YES2®YES
2- NO
2zNO
2®NO2YES^{3/4}3d#+
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
3NO^{3/4}4d./
47ZONE4477A-88F74Y 7A85-88F7477A-88F646 7A85-88F6
4°NO
4 »NO
4

¹/₄NO
4¹/₂NO
4»NO
4
°NO
4°NO
4»NO
4¹/₄NO
4¹/₂NO
4»NO
4°NO5e

5AV- 6505-MAIN5-7A-621D5• 7A85-621D5-7A-621C5(7A85-621C5³YES5 YES5
μYES5wYES5 YES5

³YES5³YES5 YES5μ YES5wYES5 YES5³YES³46d*+

63ZONE26-7A-631C6• 7A85-631C6-7A-631D6(7A85-631D6YES6 ®YES

6

¬NO

6zNO

6®NO6

YES6YES6®YES

6¬ NO

6zNO

6®NO6YES³47d#+

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

7NO³48d./

87ZONE4877A-89F68Y 7A85-89F6877A-89F786 7A85-89F7

8°NO

8 »NO

8

¹/₄NO

8¹/₂NO

8»NO

8

°NO

8°NO

8»NO

8¹/₄NO

8¹/₂NO

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
9³NO^{3/4};d*+
:3ZONE2:-7A-7708:• 7A85-7708:-7A-7709:(7A85-7709
:NO
: ®NO
:
-NO
:zNO
:@NO
:
NO
:NO
:@NO
:-NO
:zNO
:@NO
:NO^{3/4};d*+
;bZONE3;27A-7807;+ 7A85-7807;27A-7806;@ 7A85-7806
;NO
; ®NO
;
-NO
;zNO
;@NO
;
NO
;NO
:@NO
;-NO
;zNO
;@NO
;NO^{3/4}<d./
<7ZONE4<77A-8AF5<Y 7A85-8AF5<77A-8AF4<6 7A85-8AF4
<^oNO
< »NO
<
^{1/4}NO
<^{1/2}NO
<»NO
<
^oNO
<^oNO
<»NO
<^{1/4}NO
<^{1/2}NO
<»NO
<^oNO=e
=AUDIO=0TOGGLE=-MAIN=-7A-9BE4=• 7A85-9BE4=-7A-9BE5=(7A85-9BE5=³YES= `YES

=
μNO
=wNO
=`NO=
³YES=³YES=``YES
=μNO
=wNO
=``NO=³YES³/4>d*+
>3ZONE2>-7A-9CE3>• 7A85-9CE3>-7A-9CE2>(7A85-9CE2>YES> ®YES
>
-NO
>zNO
>®NO>
YES>YES>®YES
>-NO
>zNO
>®NO>YES³/4?d*+
?bZONE3?27A-9DE2?+ 7A85-9DE2?27A-9DE3?@ 7A85-9DE3
?NO
? ®NO
?
-NO
?zNO
?®NO
?
NO
?NO
?®NO
?-NO
?zNO
?®NO
?NO³/4@d./
@7ZONE4@77A-9EE1@Y 7A85-9EE1@77A-9EE0@1 7A85-9EE0
@°NO
@ »NO
@
¹/₄NO
@¹/₂NO
@»NO
@
°NO
@°NO
@»NO
@¹/₄NO
@¹/₂NO
@»NO
@°NO×DP&l9999993;ABCDEFGHIJKLMNOPQRSTUVWXYZ[]^_`AeAAUDIO- 1A0A-MAIN A-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^aYESA©

YES*No key^{3/4}Bd*+

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 key^{3/4}Cd*+

CbZONE3C27A-6718C+ 7A85-6718C27A-6719C2 7A85-6719

CNO

C ®NO

C

¬ NOCzYESC®YES

C

NO

CNO

C®NO

C¬ NOCzYESC®YES

CNO^{3/4}Dd./

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 key^{3/4}Fd*+

F3ZONE2F-7A-6916F• 7A85-6916F-7A-6917F(7A85-6917F

YES*No keyF ®

YES*No keyF

¬ YESFzYESF®YESF

YES*No key^{3/4}Gd*+

GbZONE3G27A-6A15G+ 7A85-6A15G27A-6A14G@ 7A85-6A14

GNO

G ®NO
G
¬NOGzYESG®YES
G
NO
GNO
G®NO
G¬NOGzYESG®YES
GNO³/Hd./
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 ^aNOI
«YESI¬YESI^aYES
I
©NO
I©NO
I^aNOI^aYESI¬YESI^aYES
I©NO³/Jd*+
J3ZONE2J-7A-7D02J• 7A85-7D02J-7A-7D03J(7A85-7D03
JNO
J ^aNOJ
¬YESJzYESJ®YES
J
NO
JNO
J®NOJ¬YESJzYESJ®YES
JNO³/Kd*+
KbZONE3K27A-7E01K+ 7A85-7E01K27A-7E00K@ 7A85-7E00
KNO
K ^aNO
K
¬NOKzYESK®YES
K
NO
KNO
K®NO
K¬NOKzYESK®YES
KNO³/Ld./
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 ¹NOM
μYESMwYESM¹YES
M
³NO
M³NO
M¹NOMμYESMwYESM¹YES
M³NO³Nd*+
N3ZONE2N-7A-80FFN• 7A85-80FFN-7A-80FEN(7A85-80FE
NNO
N ¹NON
¬YESNzYESN¹YES
N
NO
NNO
N¹NON¬YESNzYESN¹YES
NNO³Od*+
ObZONE3O27A-81FEO+ 7A85-81FEO27A-81FFO@ 7A85-81FF
ONO
O ¹NO
O
¬NOOzYESO¹YES
O
NO
ONO
O¹NO
O¹NOzYESO¹YES
ONO³Pd./
P7ZONE4P77A-8FF0PY 7A85-8FF0P77A-8FF1P6 7A85-8FF1
P^oNO
P »NO
P
¹₄NO
P¹₂NO
P»NO
P
°NO
P°NO
P»NO
P¹₄NO
P¹₂NO
P»NO
P^oNOQe

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-D826R YESR ®YESR
¬YESRzYESR®YESR
YESR YESR®YESR¬YESRzYESR®YESR YES^{3/4}Sd*+
S3ZONE3
S37A-F0S} 7A85-F00FS37A-F00ES1 7A85-F00E
S°NO
S ±NO
S
²NOS|YES[±]YES
S
°NO
S°NO
S±NO
S²NOS|YES[±]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°NOÜdÖUPHONOU^{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
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¬NOWzYESW®YES
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`7ZONE4`77F01-49`Y 7F01-49B6`7 7F01-49B7`6 7F01-49B7

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«YESa¬YESa°YESa

©YESa©YESa°YESa«YESa¬YESa°YESa©YES¾bd*+

b3ZONE2b-7F01-4Bb• 7F01-4BB4b- 7F01-4BB5b(7F01-4BB5bYESb ®YESb

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YESbYESb®YESb° YESbzYESb®YESbYES¾cd*+

c3ZONE3c-7F01-4Cc• 7F01-4CB3c- 7F01-4CB2c(7F01-4CB2

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orO
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¡3ZONE2¡-7A-6C13¡• 7A85-6C13¡-7A-6C12¡(7A85-6C12
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±¬ NO±zYES±®YES

±NO¾²eO
²³ZONE³²-7A-314E²• 7A85-314E²-7A-314F²(7A85-314F

²NO

² ®NO

²

¬ NO²zYES²®YES

²

NO

²NO

²®NO

²¬ NO²zYES²®YES

²NO¾³eM

³⁷ZONE⁴³;7A-3649³/ 7A85-3649³;7A-3648³E 7A85-3648

³ºNO

³ »NO

³

¹/₄NO

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‘¬YESªYES‘

©YES‘©YESªYES‘«YES‘¬YESªYES‘©YES¾µeO

µ³ZONE²µ-7A-2D52µ• 7A85-2D52µ-7A-2D53µ(7A85-2D53

µNO

µ ®NO

µ

¬ NOµzYESµ®YES

µ

NO

µNO

µ®NO

µ¬ NOµzYESµ®YES

µ¾¶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+

,JRIGTH,bMAIN

,57A-9E,€ 7A85-9E61,57A-9E60,4 7A85-9E60,³YES, `YES,

μYES,wYES,`YES,

³YES,³YES,`YES,μYES,wYES,`YES,³YES¾¹eO

¹3ZONE2¹-7A-2E51¹• 7A85-2E51¹-7A-2E50¹(7A85-2E50

¹NO

¹ ®NO

¹

⁻ NO¹zYES¹®YES

¹

NO

¹NO

¹®NO

¹⁻ NO¹zYES¹®YES

¹NO¾ºeO

°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

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¼NO

»½NO

»»NO

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°NO

»°NO

»»NO
»½NO
»½NO
»»NO
»°NO^{1/4}e
¼ENTER¼8¼\MAIN
¼-7A-DE¼• 7A85-DE21¼-7A-DE20¼(7A85-DE20¼©YES¼ °YES¼
«YES¼¬YES¼°YES¼
©YES¼©YES¼°YES¼«YES¼¬YES¼°YES¼©YES¾½eO
½ZONE2½-7A-2F50½• 7A85-2F50½-7A-2F51½(7A85-2F51½YES½ ®YES½
¬ YES½zYES½®YES½
YES½YES½®YES½¬ YES½zYES½®YES½YES¾¾eO
¾ZONE3¾-7A-344B¾• 7A85-344B¾-7A-344A¾(7A85-344A
¾NO
¾ ®NO
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¬ NO¾zYES¾®YES
¾
NO
¾NO
¾®NO
¾¬ NO¾zYES¾®YES
¾NO¾e M
¾ZONE4¾27A-3946¾+ 7A85-3946¾27A-3947¾ @ 7A85-3947
¾°NO
¾ ±NO
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¾NO
¾|NO
¾±NO
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¾°NO
¾°NO
¾±NO
¾²NO
¾|NO
¾±NO
¾°NOÀeÀ0RETURNÀ8À\MAIN
À57A-AAÀ€ 7A85-AA55À57A-AA54À4 7A85-AA54À³YESÀ °YESÀ
µYESÀwYESÀ °YESÀ
³YESÀ³YESÀ °YESÀµ YESÀwYESÀ °YESÀ³YESxDx&IDG<0017% ÁÃÃÄ ÁÆÇÈÉÊËÌÍÏÐ Ñ,0ÒÓÔÕÖ×ØÙ
ÚÛÜÝÞß¾ÁeO
Á³ZONE2Á-7A-3C43Á• 7A85-3C43Á-7A-3C42Á(7A85-3C42
ÁNO
Á ®NO
Á
¬ NOÁzYESÁ®YES
Á
NO
ÁNO
Á®NO
Á¬ NOÁzYESÁ®YES
ÁNO¾ÁeO
Á³ZONE3Á-7A-3F40Á• 7A85-3F40Á-7A-3F41Á(7A85-3F41

ÂNO
Â ®NO
Â
¬NOÂzYESÂ®YES
Â
NO
ÂNO
Â®NO
Â¬NOÂzYESÂ®YES
ÂNO^{3/4}ÆO
ÂbZONE4Â27A-423DÂ+ 7A85-423DÂ27A-423CÂ@ 7A85-423C
Â°NO
Â ±NO
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²NO
Â|NO
Â±NO
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°NO
Â°NO
Â±NO
Â²NO
Â|NO
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Â°NOÄeÖÄ~LEVELÄ, TOGGLEÄMAIN
Â7A-86Ä™ 7A85-8679Ä7A-8678Äf 7A85-8678
Â¢NO
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ïNOÄ¥YESÄ|YES
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¢NO
Â¢NO
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Â|NOÄ¥YESÄ|YES
Â¢NOÄÐÅcVOLUMEÖÅ&VOLUME
ÂÑUPÅ)MAIN
Â)7A-1AÅ~ 7A85-1AE5Å)7A-1AE4Å(7A85-1AE4Å©YESÅ ªYESÅ
«YESÅ¬YESÅªYESÅ
©YESÅ©YESÅªYESÅ«YESÅ¬YESÅªYESÅ©YES^{3/4}Æe*;
Æ3ZONE2
Æ-7A-DAÆ• 7A85-DA25Æ-7A-DA24Æ(7A85-DA24ÆYESÆ ®YESÆ
¬YESÆzYESÆ®YESÆ
YESÆYESÆ®YESÆ¬ YESÆzYESÆ®YESÆYES^{3/4}Çe*;
Ç3ZONE3
Ç-7A-FDÇ• 7A85-FD02Ç-7A-FD03Ç(7A85-FD03
ÇNO
Ç ®NO
Ç
¬NOÇzYESÇ®YES
Ç
NO
ÇNO
Ç®NO

Ç¬ NOÇz YESÇ® YES
ÇNO¾Ee*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`YESÉ³YES¾Ee*¿
Ê3ZONE2
Ê-7A-DBÊ• 7A85-DB24Ê-7A-DB25Ê(7A85-DB25ÊYESÊ ®YESÊ
-YESÊzYESÊ®YESÊ
YESÊYESÊ@YESÊ- YESÊzYESÊ@YESÊYES¾Ee*¿
Ê3ZONE3
Ê-7A-FEÊ• 7A85-FE01Ê-7A-FE00Ê(7A85-FE00
ENO
Ê ®NO
Ê
-NOÊzYESÊ®YES
Ê
NO
ENO
Ê®NO
Ê-NOÊzYESÊ®YES
ENO¾Ee*¿
Ì7ZONE4
Ì;7A-2CÌ/ 7A85-2CD3Ì;7A-2CD2ÌE 7A85-2CD2
Ì°NO
Ì »NO
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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 ^aYESÍ
«YESÍ¬YESÍ^aYESÍ

©YESÍ©YESÍ^aYESÍ«YESÍ¬YESÍ^aYESÍ©YES^{3/4}Íex_i

Í3ZONE2

Í-7A-DCÍ• 7A85-DC23Í-7A-DC22Í(7A85-DC22ÍYESÍ ®YESÍ

- YESÍzYESÍ®YESÍ

YESÍYESÍ®YESÍ- YESÍzYESÍ®YESÍYES^{3/4}Íex_i

ÍbZONE3

Í-7A-FFÍ• 7A85-FF00Í-7A-FF01Í(7A85-FF01

ÍNO

Í ®NO

Í

- NOÍzYESÍ®YES

Í

NO

ÍNO

Í®NO

Í- NOÍzYESÍ®YES

ÍNO^{3/4}ÐÁÒ

Ð7ZONE4

Ð;7A-2DÐ/ 7A85-2DD2Ð;7A-2DD3Ð@ 7A85-2DD3

Ð°NO

Ð ±NO

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²NO

Ð|NO

Ð±NO

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°NO

Ð°NO

Ð±NO

Ð²NO

Ð|NO

Ð±NO

Ð°NOÖÑ†ZONE CONTROL

Ñ,,PARTYÑ...TOGGLEÑ†ALL

Ñ†7A-34Ñ... 7A85-34CBÑ†7A-34CAÑZ 7A85-34CA

Ñ·NOÑ ÓYESÑ

ÓYESÑcYESÑÓYES

Ñ

‘NOÑ‘YESÑÓYESÑÓYESÑcYESÑÓYES

Ñ‘NOÖÒVDISPLAYÒjDISPLAYÒjTOGGLEÒ)MAINÒ)7F01-60Ò~ 7F01-609FÒ) 7F01-609EÒ: 7F01-

609EÒ¶YESÒ ·YESÒ

,YESÒ!YESÒ·YESÒ

¶YESÒ¶YESÒ·YESÒ, YESÒ!YESÒ·YESÒ¶YES^{3/4}Ói!!

Ó3ZONE2Ó37F01-80Ó} 7F01-807FÓ3 7F01-807EÓ, 7F01-807E

ÓNO

Ó ®NO

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- NO

ÓzNO

Ó®NO

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NO

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Ó®NO
Ó-NO
ÓzNO
Ó®NO
ÓNO³/4Ó?!!
Ó3ZONE3Ó37F01-A0Ó} 7F01-A05FÓ3 7F01-A05EÓ, 7F01-A05E
ÓNO
Ó ®NO
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Ó-NO
ÓzNO
Ó®NO
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NO
ÓNO
Ó®NO
Ó-NO
ÓzNO
Ó®NO
ÓNO³/4Ó?QQ
Ó7ZONE4Ó77F01-C0ÓY 7F01-C03FÓ7 7F01-C03EÓ6 7F01-C03E
Ó°NO
Ó »NO
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¹/₄NO
Ó½NO
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ºNO
ÓºNO
Ó»NO
Ó¼NO
Ó½NO
Ó»NO
Ó°NOÖ?ÓINFOÓTOGGLEÓ5MAINÓ57A-2758Ó€ 7A85-2758Ó57A-2759Ó4 7A85-2759Ó³YESÓ `YESÓ
µYESÓwYESÓ`YESÓ
³YESÓ`YESÓ`YESÓµYESÓwYESÓ`YESÓ³YES³/4×?!!
×3ZONE2×37A-2857×} 7A85-2857×37A-2856×, 7A85-2856
×NO
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×NO³/4Øi!!
Ø3ZONE3Ø37A-2956Ø} 7A85-2956Ø37A-2957Ø, 7A85-2957

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Ø®NO
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Ø®NO
ØNO¾Ùi!!
ÙbZONE4Ùb7A-2A55Ù— 7A85-2A55Ùb7A-2A54Ù1 7A85-2A54
ÙºNO
Ù »NO
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Ù
¼NO
Ù½NO
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Ù
ºNO
ÙºNO
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Ù¼NO
Ù½NO
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ÙºNOÖÚV OPERATIONÙjMODEÙjTOGGLEÙ)MAINÙ)7F01-66Ù~ 7F01-6699Ù) 7F01-6698Ù: 7F01-
6698Ù¶YESÙ · YESÙ
· YESÙ!YESÙ · YESÙ
¶YESÙ¶YESÙ · YESÙ YESÙ!YESÙ · YESÙ¶YES¾Ùi!!
Ù3ZONE2Ù-7F01-86Ù• 7F01-8679Ù- 7F01-8678Ù(7F01-8678
ÙNO
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¬ YESÙzYESÙ®YES
Ù
NO
ÙNO
Ù®NOÙ- YESÙzYESÙ®YES
ÙNO¾Ùi!!
Ù3ZONE3Ù-7F01-A6Ù• 7F01-A659Ù- 7F01-A658Ù(7F01-A658
ÙNO
Ù ®NO
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¬ NOÙzYESÙ®YES
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NO
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Ù®NO
Ù- NOÙzYESÙ®YES
ÙNO¾ÙiQ
Ù7ZONE4Ù;7F01-C6Ù/ 7F01-C639Ù; 7F01-C638ÙE 7F01-C638
ÙºNO

Ý »NO
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¼NO
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Ý½NO
Ý»NO
Ý°NOpiPSTOPPP5MAINP-7F01-69P• 7F01-6996P- 7F01-6997P(7F01-6997P³YESP `YESP
µYESPwYESP`YESP
³YESP³YESP`YESPµ YESPwYESP`YESP³YES³/4ai*P
ß3ZONE2ß-7F01-89ß• 7F01-8976ß- 7F01-8977ß(7F01-8977ßYESß ®YESß
- YESßzYESß®YESß
YESßYESß®YESß- YESßzYESß®YESßYES³/4ai*P
à3ZONE3à-7F01-A9à• 7F01-A956à- 7F01-A957à(7F01-A957
àNO
à ®NO
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- NOàzYESà®YES
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NO
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à®NO
à- NOàzYESà®YES
àNO×Do'IDG#0#>#LQ@P!:áâäääæçèéêíîñðñðóôðö÷øùúûüýþý³/4áiR
á7ZONE4á;7F01-C9á/ 7F01-C936á; 7F01-C937áE 7F01-C937
á°NO
á »NO
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á°NOá?
áPAUSEâ-MAINâ57F01-67â€ 7F01-6798â5 7F01-6799â4 7F01-6799â³YESâ `YESâ
µYESâwYESâ`YESâ
³YESâ³YESâ`YESâµ YESâwYESâ`YESâ³YES³/4ai*!
à3ZONE2à-7F01-87à• 7F01-8778à- 7F01-8779à(7F01-8779àYESâ ®YESâ
- YESâzYESâ®YESâ
YESâYESâ®YESâ- YESâzYESâ®YESâYES³/4ai*!
à3ZONE3à-7F01-A7à• 7F01-A758à- 7F01-A759à(7F01-A759
àNO
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- NOäzYESä®YES
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å7ZONE4å;7F01-C7å/ 7F01-C738å; 7F01-C739åE 7F01-C739
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å°NOæ?æPLAYææ5MAINæ57F01-68æ€ 7F01-6897æ5 7F01-6896æ4 7F01-6896æ³YESæ `YESæ
µYESæwYESæ`YESæ
³YESæ³YESæ`YESæµ YESæwYESæ`YESæ³YES¾çi*!
ç3ZONE2ç-7F01-88ç• 7F01-8877ç- 7F01-8876ç(7F01-8876ç YESç ®YESç
- YESçzYESç®YESç
YESç YESç®YESç- YESçzYESç®YESç YES¾èi*!
è3ZONE3è-7F01-A8è• 7F01-A857è- 7F01-A856è(7F01-A856
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µYESêwYESê`YESê

³YESê³YESê`YESêµ YESêw YESê`YESê³YESëi
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ë!or
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- YESëz YESë®YESë
YESë YESë®YESë- YESëz YESë®YESë YESìì*HOLDì!HOLD
í3ZONE3ì-7F01-AAì• 7F01-AA55ì- 7F01-AA54ì(7F01-AA54
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- NOìz YESì®YES
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í7ZONE4í;7F01-CAí/ 7F01-CA35í; 7F01-CA34íE 7F01-CA34
íºNO
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µ YESíw YESí`YESí
³YESí³YESí`YESíµ YESíw YESí`YESí³YES³/4
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í3ZONE2í-7F01-8Bí• 7F01-8B74í- 7F01-8B75í(7F01-8B75íYESí ®YESí
- YESíz YESí®YESí
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ñ°NO ð SKIP/PRG SELECT
ð SKIP-ð-MAINð57F01-6Cð€7F01-6C93ð5 7F01-6C92ð4 7F01-6C92ð³YESð °YESð
μ YESðwYESð °YESð
³YESð³YESð °YESðμ YESðwYESð °YESð³YES³/4
öi*Ö
÷!or
ð3ZONE2ð-7F01-8Cð• 7F01-8C73ð- 7F01-8C72ð(7F01-8C72ðYESð ®YESð
¬ YESðzYESð®YESð
YESð YESð®YESð¬ YESðzYESð®YESðYES³/4
öi*ö!PRG SELECT-
ð3ZONE3ð-7F01-ACð• 7F01-AC53ð- 7F01-AC52ð(7F01-AC52
ðNO
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ðNO³/4öi*
ð7ZONE4ð;7F01-CCð/ 7F01-CC33ð; 7F01-CC32ðE 7F01-CC32
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÷i*Ö
÷!or

÷3ZONE2÷-7F01-8D÷• 7F01-8D72÷- 7F01-8D73÷(7F01-8D73÷YES÷ ®YES÷
¬ YES÷zYES÷®YES÷
YES÷YES÷®YES÷¬ YES÷zYES÷®YES÷YES³⁴
øi*ø!PRG SELECT+
ø3ZONE3ø-7F01-ADø• 7F01-AD52ø- 7F01-AD53ø(7F01-AD53
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øNO³⁴ùi.Q
ù7ZONE4ù;7F01-CDù/ 7F01-CD32ù; 7F01-CD33ùE 7F01-CD33
ùºNO
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µYESúwYESú`YESú
³YESú³YESú`YESúwYESú`YESú³YES³/₄ùi*!
ù3ZONE2ù- 7F01-5F20ù• 7F01-5F20ù- 7F01-5F21ù(7F01-5F21ùYESù ®YESù
¬ YESùzYESù®YESù
YESù YESù®YESù¬ YESùzYESù®YESùYES³/₄ùi*!
ù3ZONE3ù- 7F01-601Fù• 7F01-601Fù- 7F01-601Eù(7F01-601E
ùNO
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ù¬ NOùzYESù®YES
ùNO³/₄y?*Q
ý;ZONE4ý2 7F01-6B14ý+ 7F01-6B14ý2 7F01-6B15ý@ 7F01-6B15
ýºNO
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¹/₄NO
ý¹/₂NO
ý»NO
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°NO
ý°NO
ý»NO
ý¼NO
ý½NO
ý»NO
ýºNO^¾
þi*þPRESET+þ-MAINþ5 7F01-5B24þ€ 7F01-5B24þ5 7F01-5B25þ4 7F01-5B25þ^³YESþ °YESþ
µYESþwYESþ`YESþ
^³YESþ^³YESþ °YESþu YESþwYESþ`YESþ^³YES^¾i*!
ý3ZONE2ý- 7F01-5C23ý• 7F01-5C23ý- 7F01-5C22ý(7F01-5C22ýYESý ®YESý
- YESýzYESý®YESý
YESý YESý®YESý- YESýzYESý®YESýYES^¾i*!
bZONE3- 7F01-5D22• 7F01-5D22- 7F01-5D23(7F01-5D23

NO

®NO

- NOzYES®YES

NO

NO

®NO

- NOzYES®YES

NOxD2(l;':E=9-B3,L64564G)!9)

^¾?Q

7ZONE4; 7F01-6A15/ 7F01-6A15; 7F01-6A14E 7F01-6A14

°NO

»NO

¼NO

½NO

»NO

°NO

°NO

»NO

¼NO

½NO

»NO

°NOi

CATEGORY/BAND

FM5MAIN5 7F01-5827€ 7F01-58275 7F01-58264 7F01-5826^³YES °YES

µYESwYES`YES

^³YES^³YES °YESµYESwYES`YES^³YES^¾

i*Ö

!or

3ZONE23 7F01-5926} 7F01-59263 7F01-5927, 7F01-5927YES ®YES

- YESzYES®YES

YES YES®YES- YESzYES®YES YES^¾

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

¼NO

½NO

»NO

°NO

°NO

»NO

¼NO

½NO

»NO

°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

YES YES®YES¬ YESzYES®YES YES^{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

¼NO

½NO

»NO

°NO

°NO

»NO
¼NO
½NO
»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, 7F01-651B YES ®YES

¬ YESzYES®YES

YES YES®YES¬ YESzYES®YES YES¾

i!!CH-

3ZONE33 7F01-6619} 7F01-66193 7F01-6618, 7F01-6618

NO

®NO

¬ NOzYES®YES

NO¾

i!!

bZONE4

b 7F01-7F00
— 7F01-7F00
b 7F01-7F01
1 7F01-7F01

°NO

»NO

$\frac{1}{4}$ NO

$\frac{1}{2}$ NO

»NO

\circ NO

\circ NO

»NO

$\frac{1}{4}$ NO

$\frac{1}{2}$ NO

»NO

\circ NO $^{\frac{3}{4}}$

i”TUNING+5MAIN5 7F01-611E€ 7F01-611E5 7F01-611F4 7F01-611F 3 YES YES
μYESwYES YES

3 YES 3 YES YESμYESwYES YES 3 YES 3 YES $^{\frac{3}{4}}$

i*Ö

!or

3ZONE23 7F01-621D} 7F01-621D3 7F01-621C, 7F01-621CYES ®YES

- YESzYES®YES

YESYES®YES- YESzYES®YESYES $^{\frac{3}{4}}$

i*Ö!CH+

3ZONE33 7F01-631C} 7F01-631C3 7F01-631D, 7F01-631D

NO

®NO

- NOzYES®YES

NO

NO

®NO

- NOzYES®YES

NO $^{\frac{3}{4}}$ “ST

kZONE4k 7F01-7E01- 7F01-7E01k 7F01-7E00` 7F01-7E00

ÄNO

ÅNO

ÆNO

ÇNO

»NO

ÄNO

ÄNO

ÅNO

ÆNO
ҪNO
»NO

ÄNOVNUMBER/CHARACTER~
jδ?j)MAIN)7F01-51~ 7F01-51AE) 7F01-51AF: 7F01-51AF¶YES · YES
· YES¹YES· YES

¶YES¶YES· YES, YES¹YES· YES¶YES³⁴@!!
3ZONE237F01-71} 7F01-718E3 7F01-718F, 7F01-718FYES ®YES

· YESzYES®YES

YESYES®YES· YESzYES®YES YESYES³⁴@!!

3ZONE337F01-91} 7F01-916E3 7F01-916F, 7F01-916F

NO

®NO

· NOzYES®YES

NO

NO

®NO

· NOzYES®YES

NO³⁴@QQ

7ZONE477F01-B1Y 7F01-B14E7 7F01-B14F6 7F01-B14F

°NO

»NO

¼NO

½NO

»NO

°NO

°NO

»NO

¼NO

½NO

»NO

°NO?~

@5MAIN57F01-52€7F01-52AD5 7F01-52AC4 7F01-52AC³YES °YES

μYESwYES `YES

³YES³YES `YESμ YESwYES `YES³YES³⁴@!!

3ZONE237F01-72} 7F01-728D3 7F01-728C, 7F01-728CYES ®YES

· YESzYES®YES

YESYES®YES· YESzYES®YES YESYES³⁴@!!

3ZONE337F01-92} 7F01-926D3 7F01-926C, 7F01-926C

NO

®NO

· NOzYES®YES

NO

NO

®NO

· NOzYES®YES

NO³⁴@QQ

7ZONE477F01-B2Y 7F01-B24D7 7F01-B24C6 7F01-B24C

°NO
»NO

¼NO
½NO
»NO

°NO
°NO
»NO
¼NO
½NO
»NO
°NO?~
@5MAIN57F01-53€7F01-53AC5 7F01-53AD4 7F01-53AD³YES °YES
μYESwYES `YES
³YES³YES `YESμYESwYES `YES³YES³4@!!
3ZONE237F01-73} 7F01-738C3 7F01-738D, 7F01-738DYES ®YES
¬YESzYES®YES
YESYES®YES¬ YESzYES®YES YESYES³4@!!
3ZONE337F01-93} 7F01-936C3 7F01-936D, 7F01-936D
NO
®NO

¬NOzYES®YES

NO
NO
®NO
¬NOzYES®YES
NO³4@QQ
7ZONE477F01-B3Y 7F01-B34C7 7F01-B34D6 7F01-B34D
°NO
»NO

¼NO
½NO
»NO

°NO
°NO
»NO
¼NO
½NO
»NO
°NO?~
@5MAIN57F01-54€7F01-54AB5 7F01-54AA4 7F01-54AA³YES °YES
μYESwYES `YES
³YES³YES `YESμYESwYES `YES³YES³4@!!
3ZONE237F01-74} 7F01-748B3 7F01-748A, 7F01-748AYES ®YES
¬YESzYES®YES
YESYES®YES¬ YESzYES®YES YESYES³4 @!!
3ZONE3 37F01-94 } 7F01-946B 3 7F01-946A , 7F01-946A
NO

®NO

¬NO zYES ®YES

NO

NO

®NO

¬NO zYES ®YES

NOxD(lI84487J8.981J'8'8'!"#\$%&'()*+,-./0123456789:;<=>?@%4!@QQ

!7ZONE4!77F01-B4!Y 7F01-B44B!7 7F01-B44A!6 7F01-B44A

!°NO

! »NO

!

¼NO

½NO

»NO

!

°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"³YES³# @!!

#3ZONE2#37F01-75#} 7F01-758A#3 7F01-758B#, 7F01-758B#YES# ®YES#

¬ YES#zYES#@YES#

YES#YES#@YES#¬ YES#zYES#@YES#YES³# \$@!!

\$3ZONE3\$37F01-95\$} 7F01-956A\$3 7F01-956B\$, 7F01-956B

\$NO

\$ ®NO

\$

¬ NO\$zYES\$®YES

\$

NO

\$NO

\$®NO

\$¬ NO\$zYES\$®YES

\$NO³# @QQ

% 7ZONE4%77F01-B5% Y 7F01-B54A%7 7F01-B54B%6 7F01-B54B

% °NO

% »NO

%

¼NO

% ½NO

% »NO

%

°NO

% °NO

% »NO

% ¼NO

% ½NO

%»NO
%°NO&?~
&@&&5MAIN&57F01-56&€ 7F01-56A9&5 7F01-56A8&4 7F01-56A8&³YES& 'YES&
μYES&wYES& 'YES&
³YES&³YES& 'YES&μYES&wYES& 'YES&³YES³⁴@!!
'3ZONE2'37F01-76'} 7F01-7689'3 7F01-7688', 7F01-7688'YES' ®YES'
- YES'zYES'®YES'
YES'YES'®YES'- YES'zYES'®YES'YES³⁴(@!!
(3ZONE3(37F01-96({ 7F01-9669(3 7F01-9668(, 7F01-9668
(NO
(®NO
(
- NO(zYES(®YES
(
NO
(NO
(®NO
(- NO(zYES(®YES
(NO³⁴)@QQ
)7ZONE4)77F01-B6)Y 7F01-B649)7 7F01-B648)6 7F01-B648
)°NO
) »NO
)
¹⁴NO
)½NO
)»NO
)
°NO
)°NO
)»NO
)¹⁴NO
)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*³YES³⁴+@!!
+3ZONE2+37F01-77+) 7F01-7788+3 7F01-7789+, 7F01-7789+YES+ ®YES+
- YES+zYES+®YES+
YES+YES+®YES+- YES+zYES+®YES+YES³⁴,@!!
,3ZONE3,37F01-97,) 7F01-9768,3 7F01-9769,, 7F01-9769
,NO
, ®NO
,
- NO,zYES,®YES
,
NO
,NO
,®NO
,- NO,zYES,®YES
,NO³⁴-@QQ
-7ZONE4-77F01-B7-Y 7F01-B748-7 7F01-B749-6 7F01-B749
-°NO
- »NO

-
1/4NO
-1/2NO
-»NO
-
°NO
-°NO
-»NO
-1/4NO
-1/2NO
-»NO
-°NO.?~
. @..5MAIN.57F01-58.€ 7F01-58A7.5 7F01-58A6.4 7F01-58A6.³YES. °YES.
μYES.wYES. °YES.
³YES.³YES. °YES.wYES. °YES.³YES^{3/4}@!!
/3ZONE2/37F01-78/{ 7F01-7887/3 7F01-7886/, 7F01-7886/YES/ ®YES/
- YES/zYES/@YES/
YES/YES/@YES/- YES/zYES/@YES/YES³40@!!
03ZONE3037F01-980} 7F01-986703 7F01-98660, 7F01-9866
0NO
0 ®NO
0
- NO0zYES0®YES
0
NO
0NO
0®NO
0- NO0zYES0®YES
0NO^{3/4}1@QQ
17ZONE4177F01-B81Y 7F01-B84717 7F01-B84616 7F01-B846
1°NO
1 »NO
1
1/4NO
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 °YES2³YES^{3/4}3@!!
33ZONE2337F01-793} 7F01-798633 7F01-79873, 7F01-79873YES3 ®YES3
- YES3zYES3®YES3
YES3YES3®YES3- YES3zYES3®YES3YES³44@!!
43ZONE3437F01-994} 7F01-996643 7F01-99674, 7F01-9967
4NO
4 ®NO
4

-NO4zYES4®YES

4

NO

4NO

4®NO

4-NO4zYES4®YES

4NO¾45@QQ

57ZONE4577F01-B95Y 7F01-B94657 7F01-B94756 7F01-B947

5°NO

5 »NO

5

¼NO

5½NO

5»NO

5

°NO

5°NO

5»NO

5¼NO

5½NO

5»NO

5°NO6?~

6665MAIN657F01-5A6€ 7F01-5AA565 7F01-5AA464 7F01-5AA46³YES6 °YES6

µYES6wYES6`YES6

³YES6³YES6`YES6µYES6wYES6`YES6³YES³47@!!

73ZONE2737F01-7A7} 7F01-7A8573 7F01-7A847, 7F01-7A847YES7 ®YES7

- YES7zYES7®YES7

YES7YES7®YES7- YES7zYES7®YES7YES³48@!!

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

9»NO

9

°NO

9°NO

9±NO

9²NO

9|NO

9»NO

9°NO:?:Ñ+10::5MAIN:57F01-5B:€ 7F01-5BA4:5 7F01-5BA5:4 7F01-5BA5

:^NO
:^NO
:
μNO
:wNO
:^NO
:
^NO
:^NO
:^NO
:μNO
:wNO
:^NO
:^NO
:^NO^4;@!!
;3ZONE2;37F01-7B; } 7F01-7B84;3 7F01-7B85;, 7F01-7B85
;NO
; ; ®NO
;
^-NO
;zNO
;®NO
;
NO
;NO
;®NO
;^-NO
;zNO
;®NO
;NO^4<@!!
<3ZONE3<37F01-9B<} 7F01-9B64<3 7F01-9B65<, 7F01-9B65
<NO
< ; ®NO
<
^-NO
<zNO
<®NO
<
NO
<NO
<®NO
<^-NO
<zNO
<®NO
<NO^4=@QQ
=7ZONE4=77F01-BB=Y 7F01-BB44=7 7F01-BB45=6 7F01-BB45
=°NO
= »NO
=
¹/₄NO
=¹/₂NO
=»NO
=
°NO
=°NO

Extended IR codes^{3/4}

Y 3/41 Y C

FunctionGroup FunctionName \ ZONE Code(ID1) \

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
U7E-7E• 7E81-7E81)7E-7E80: 7E81-7E80¶YES · YES
· YES¹YES · YES
¶YES¶YES · YES, YES¹YES · YES¶YES³/₄d+
3ZONE2
U7E-BA• 7E81-BA45-7E-BA44(7E81-BA44YES ®YES
· YESzYES®YES
YES YES®YES · YESzYES®YES YES YES³/₄d+
3ZONE3
U7A-ED• 7A85-ED12-7A-ED13(7A85-ED13
NO
®NO

· NOzYES®YES

NO
NO
®NO
· NOzYES®YES
NO³/₄d+
3ZONE4
U7A-7B• 7A85-7B84-7A-7B85(7A85-7B85
NO
®NO

· NO
zNO®YES

NO
NO
®NO
· NO
zNO®YES
NO³/₄d+7ALL
Ü7A-1DY 7A85-1DE277A-1DE37 7A85-1DE3°YES ±YES
²YES|YES±YES
°YES°YES±YES²YES|YES±YES°YES d ^STANDBY 0OFF 5MAIN
Ü7E-7F • 7E81-7F80 -7E-7F81 (7E81-7F81 ³YES °YES
μYES wYES °YES
³YES ³YES °YES μYES wYES °YES ³YES³/₄
d+

3ZONE2

Ü7E-BB
• 7E81-BB44
-7E-BB45
(7E81-BB45

YES

®YES

- YES

zYES

®YES

YES

YES

®YES

- YES

zYES

®YES

YES^{3/4d+}

3ZONE3

Ù7A-EE• 7A85-EE11-7A-EE10(7A85-EE10

NO

®NO

- NOzYES®YES

NO

NO

®NO

- NOzYES®YES

NO^{3/4d+}

3ZONE4

Ù7A-7C• 7A85-7C83-7A-7C82(7A85-7C82

NO

®NO

- NO

zNO®YES

NO

NO

®NO

- NO

zNO®YES

NO^{3/4}

d /

7ALL

Ý7A-1E

/ 7A85-1EE1

;7A-1EE0

E 7A85-1EE0

°YES

»YES

^{1/4}YES

^{1/2}YES

»YES

°YES
°YES
»YES
¼YES
½YES
»YES
°YESd

SLEEP+TOGGLE2ALL

Û7A-57+ 7A85-57A827A-57A9@ 7A85-57A9YES ®YES

- YESzYES®YES

YESYES®YES- YESzYES®YESYES^¾

d

8ON5MAINÛ7E-1669€ 7E81-166957E-16684 7E81-1668³YES °YES

µYESwYES `YES

^³YES^³YES `YESµYESwYES `YES^³YES^¾dO

3ZONE2Û7E-1768• 7E81-1768-7E-1769(7E81-1769YES ®YES

- YESzYES®YES

YESYES®YES- YESzYES®YESYES^¾dO

3ZONE3Û7E-1867• 7E81-1867-7E-1866(7E81-1866

NO

®NO

- NOzYES®YES

NO

NO

®NO

- NOzYES®YES

NO^¾dO

3ZONE4Û7E-1966• 7E81-1966-7E-1967(7E81-1967

NO

®NO

- NO

zNO®YES

NO

NO

®NO

- NO

zNO®YES

NO^¾dM7ALLÝ7E-1A65/ 7E81-1A65;7E-1A64E 7E81-1A64°YES »YES

¼YES½YES»YES

°YES°YES»YES^¼YES½YES»YES°YES^¾

dOOFF-MAINÛ7E-1B64• 7E81-1B64-7E-1B65(7E81-1B65³YES °YES

µYESwYES `YES

^³YES^³YES `YESµYESwYES `YES^³YES^¾dO

3ZONE2Û7E-1C63• 7E81-1C63-7E-1C62(7E81-1C62YES ®YES

- YESzYES®YES

YESYES®YES- YESzYES®YESYES^¾dO

3ZONE3Û7E-1D62• 7E81-1D62-7E-1D63(7E81-1D63

NO

®NO

¬NOzYES®YES

NO
NO
®NO

¬NOzYES®YES

NO^{3/4}dO

3ZONE4Ù7E-1E61• 7E81-1E61-7E-1E60(7E81-1E60

NO

®NO

¬NO

zNO®YES

NO
NO
®NO

¬NO

zNO®YES

NO^{3/4}dM7ALL

Ù7E-B3/ 7E81-B34C;7E-B34DE 7E81-B34D°YES »YES

½YES½YES»YES

°YES°YES»YES½YES½YES»YES°YES^{3/4}

dH120min-ALL

Ù7E-B4• 7E81-B44B-7E-B44A(7E81-B44A°YES °YES

µYESwYES °YES

³YES³YES °YESµYESwYES °YES³YES^{3/4}

d

I90min3ALL

Ù7E-B5• 7E81-B54A-7E-B54B(7E81-B54B YES ®YES

¬YESzYES®YES

YES YES®YES °YESzYES®YES YES^{3/4}

d

I60min3ALL

Ù7E-B6• 7E81-B649-7E-B648(7E81-B648 YES ®YES

¬YESzYES®YES

YES YES®YES °YESzYES®YES YES^{3/4}

i_

s30minkALL

Ù7E-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

¶NO^{3/4}

dIHDMIbMAIN

Ù7E-DA• 7E81-DA25-7E-DA24(7E81-DA24

NO
 ®NO
 ¬ YESzYES®YES

NO
NO
®NO¬ YESzYES®YES
NO^{3/4}
dICOAX/OPT3MAIN
Ù7E-A9• 7E81-A956-7E-A957(7E81-A957
NO
 ®NO
 ¬ YESzYES®YES

NO
NO
®NO¬ YESzYES®YES
NO^{3/4}
d JANALOG bMAIN
Ù7E-AA + 7E81-AA55 27E-AA54 @ 7E81-AA54
°NO
 ±NO
¼YES ½YES »YES

°NO
°NO
±NO ¼YES ½YES »YES
°NOxDá%1+'B#!>#!>0%#1%!1000B*.!#"#\$%&'()*+,-./012345678 9:;<=>?@!d!^ SUB INPUT!8PC/MCX!5MAIN!
Ù 7F01-6C13!€ 7F01-6C13!5 7F01-6C12!4 7F01-6C12!³YES! 'YES!
«YES!¬YES!³YES!
³YES!³YES! 'YES! «YES!¬YES!³YES!³YES!³YES^{3/4}"dO
"bZONE2"Ù 7F01-6D12"• 7F01-6D12"- 7F01-6D13"(7F01-6D13"YES" ®YES"
¬ YES"zYES"®YES"
YES"YES"®YES"¬ YES"zYES"®YES"YES^{3/4}#dO
#3ZONE3#Ù 7F01-6E11#• 7F01-6E11#- 7F01-6E10#(7F01-6E10
#NO
®NO

¬ NO#zYES#®YES

NO
#NO
#®NO
#¬ NO#zYES#®YES
#NO^{3/4}\$dO
\$bZONE4\$Ù 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
(?NO
(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
+NO^¾,dO
,bZONE4,Û 7F01-7B04,+ 7F01-7B04,2 7F01-7B05,@ 7F01-7B05
,°NO
, ±NO
,
²NO
,½NO
,»NO
,
°NO
,°NO
,±NO
,²NO
,½NO
,»NO
,°NO^¾
-d-8SIRIUS Internet-5MAIN-Ú 7F01-81FE-€ 7F01-81FE-5 7F01-81FF-4 7F01-81FF-³YES- `YES-
μYES-wYES- `YES-
³YES-³YES- `YES-μYES-wYES- `YES-³YES^¾
.d
.ORadio
.bZONE2,Û 7F01-82FD.• 7F01-82FD.- 7F01-82FC.(7F01-82FC.YES. ®YES.
- YES.zYES.®YES.
YES.YES.®YES.- YES.zYES.®YES.YES^¾/dO
/3ZONE3/Û 7F01-83FC/• 7F01-83FC/- 7F01-83FD/(7F01-83FD
/NO
/ ®NO
/
- NO/zYES/®YES
/
NO
/NO
/®NO
/ - NO/zYES/®YES
/NO^¾dO
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°NO^¾
1d18Pandora15MAIN1Û 7F01-85FA1€ 7F01-85FA15 7F01-85FB14 7F01-85FB1³YES1 `YES1
μYES1wYES1 `YES1
³YES1³YES1 `YES1μYES1wYES1 `YES1³YES^¾dO

2bZONE22Ù 7F01-86F92• 7F01-86F92- 7F01-86F82(7F01-86F82YES2 ®YES2
- YES2zYES2®YES2
YES2YES2®YES2- YES2zYES2@YES2YES³43dO
33ZONE33Ù 7F01-87F83• 7F01-87F83- 7F01-87F93(7F01-87F9
3NO
3 ®NO
3
- NO3zYES3®YES
3
NO
3NO
3@NO
3- NO3zYES3®YES
3NO³4dO
4bZONE44Ù 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°NO³4
5d58Napster55MAIN5Ú 7F01-89F65€ 7F01-89F655 7F01-89F754 7F01-89F75³YES5 `YES5
µYES5wYES5`YES5
³YES5³YES5`YES5µYES5wYES5`YES5³YES³46dO
6bZONE26Ù 7F01-8AF56• 7F01-8AF56- 7F01-8AF46(7F01-8AF46YES6 ®YES6
- YES6zYES6®YES6
YES6YES6®YES6- YES6zYES6@YES6YES³47dO
73ZONE37Ù 7F01-8BF47• 7F01-8BF47- 7F01-8BF57(7F01-8BF5
7NO
7 ®NO
7
- NO7zYES7®YES
7
NO
7NO
7@NO
7- NO7zYES7®YES
7NO³48dä
8kZONE48P 7F01-8CF38š 7F01-8CF38a 7F01-8CF28œ 7F01-8CF2
8ÄNO
8 ÅNO
8
²NO
8½NO
8»NO
8

ÄNO
8ÄNO
8ÅNO
8²NO
8½NO
8»NO
8ÄNO9‘OUTPUT9uHDMI OUT9GOFF9)MAIN9Ø7E-82FD9~ 7E81-82FD9)7E-82FC9: 7E81-82FC9¶YES9
· YES9
· YES9¹YES9· YES9
¶YES9¶YES9· YES9· YES9¹YES9· YES9¶YES³/⁴
:d:I1 or ON:3MAIN:Ù7E-205F:• 7E81-205F:-7E-205E:(7E81-205E:YES: ®YES:
¬ YES:zYES:@YES:
YES:YES:@YES:¬ YES:zYES:@YES:YES³/⁴
;d~
;I@;3MAIN;Ù7E-215E;• 7E81-215E;-7E-215F;(7E81-215F
;NO; ®YES;
¬ YES;zYES:@YES
;
NO;YES;®YES;¬ YES;zYES;®YES
;NO³/⁴
<ð_<s1 and 2<kMAIN<þ7E-AAD5<š 7E81-AAD5<a7E-AAD4<œ 7E81-AAD4
<ÄNO< ÅYES<
ÆYES<ÇYES<ÅYES
<
ÄNO<ÄYES<ÅYES<ÆYES<ÇYES<ÅYES
<ÄNO=dVOLUME
=xMUTE
=ÛON=5MAIN
=Û7E-A2=€ 7E81-A25D=Û7E-A25C=4 7E81-A25C=³YES= `YES=
µ YES=w YES= `YES=
³YES=³YES= `YES=µ YES=w YES= `YES=³YES³/⁴
>dx>Û(FULL)
>bZONE2
>Û7E-A0>• 7E81-A05F>-7E-A05E>(7E81-A05E>YES> ®YES>
¬ YES>zYES>@YES>
YES>YES>®YES>¬ YES>zYES>®YES>YES³/⁴?dxÛ
?bZONE3?Û±ñ¬ø©µ:?:+ 7E81-26D9?27E-26D8?@ 7E81-26D8
?NO
? ®NO
?
¬ NO?zYES?®YES
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NO
?NO
?®NO
?¬ NO?zYES?®YES
?NO³/⁴@dxÛ
@bZONE4@Û7E-0C73@ } 7E81-0C73@Û7E-0C72@, 7E81-0C72
@NO
@ ®NO
@
¬ NO
@zNO
@®NO

@
NO
@NO
@®NO
@^-NO
@zNO
@®NO
@NOxDò'II)!;)!)!A8!9)!9)!I5-2C3ABCDEFGHIJKLM NOP QR STUVWXYZ[]^_ `³AdxðA7ALLAÝ7E-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°NO³⁴
Bdx
BOONB5MAINBÚ7E-631CB€ 7E81-631CB57E-631DB4 7E81-631DB³YESB `YESB
µYESBwYESB `YESB
³YESB³YESB `YESBµYESBwYESB `YESB³YES³⁴
CdxCO(-40dB)
CbZONE2CÙ7E-641BC• 7E81-641BC-7E-641AC(7E81-641ACYESC ®YESC
`YESCzYESC®YESC
YESCYESC®YESC`YESCzYESC®YESCYES³⁴DdxO
DbZONE3DÙ7E-651AD+ 7E81-651AD27E-651BD@ 7E81-651B
DNO
D ®NO
D
`-NODzYESD®YES
D
NO
DNO
D®NO
D`-NODzYESD®YES
DNO³⁴EdxO
EbZONE4EÙ7E-6619E} 7E81-6619E37E-6618E, 7E81-6618
ENO
E ®NO
E
`-NO
EzNO
E®NO
E
NO
ENO
E®NO
E^-NO

EzNO
E®NO

ENO^{3/4}FdxMF7ALLFÝ7E-6718F/ 7E81-6718F;7E-6719FE 7E81-6719

F°NO

F »NO

F

¼NO

F½NO

F»NO

F

ºNO

FºNO

F»NO

F¼NO

F½NO

F»NO

FºNO¾

Gdx

GOONG5MAIN

GÚ7E-DFG€ 7E81-DF20G57E-DF21G4 7E81-DF21G³YESG ´YESG

µYESGwYESG ´YESG

³YESG³YESG ´YESGµ YESGwYESG ´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

JNO¾KdxMK7ALLKÝ7E-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
LÙ7E-A3L• 7E81-A35CL-7E-A35DL(7E81-A35DL³YESL 'YESL
μYESLwYESL 'YESL
³YESL³YESL 'YESLμYESLwYESL 'YESL³YES³⁴Mdxô
MbZONE2
MÙ7E-A1M• 7E81-A15EM-7E-A15FM(7E81-A15FMYESM ®YESM
¬YESMzYESM®YESM
YESMYESM®YESM¬ YESMzYESM®YESMYES³⁴Ndxô
NbZONE3NÛÔ!,.—g2N+ 7E81-6699N27E-6698N@ 7E81-6698

NNO

N ®NO

N

¬NONzYESN®YES

N

NO

NNNO

N®NO

N¬NONzYESN®YES

NNO¾Odxζ

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

ONO¾PdxõPkALLPP7E-2857Pš 7E81-2857Pa7E-2856P@ 7E81-2856

P°NO

P »NO

P

¼NO

P½NO

P»NO

P

°NO

PºNO
P»NO
P¹/₄NO
P¹/₂NO
P»NO

PºNOQcDISPLAYQu

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¶NO³/₄

RdRJ

OFF (THROUGH)R3MAINRÛ7E-235CR+ 7E81-235CR27E-235DRk 7E81-235D

RÄNO

R ÅNO

R

ÆNORÇYESRÅYES

R

ÄNO

RÄNO

RÅNO

RÆNORÇYESRÅYES

RÄNOScPROGRAMS÷PURE DIRECT

SøONSÓMAINSØj`c”-™€S~ 7E81-807FS)7E-807ES@ 7E81-807ESñYES S ðYES

ðYESfYESsðYES

ñYESsñYESsðYESsðYESsðYESsñYESTeTù or DIRECTTúOFFT»MAINTÛðÈÙy?/T+ 7E81-827DT27E-827CT@ 7E81-827CTYEST ®YEST

- YESTzYEST@YEST

YESTYEST@YEST- YESTzYEST@YESTYESUdUxSTRAIGHT

UûONUªMAIN

UÚ7E-E0U€ 7E81-E01FU57E-E01EU[7E81-E01EUñYESU ðYESU

ðYESUfYESUðYESU

ñYESUñYESUðYESUðYESUñYESUñYES³/₄

VdùVúOFFV»MAINVÝŽôðÆT: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 ðYESW

ðYESWfYESWðYESW

ñYESWñYESWðYESWðYESWfYESWðYESWñYES³/₄

XexXIHall in ViennaX3MAIN

Xß7E-E5X} 7E81-E51AX37E-E51BX, 7E81-E51BXYESX ®YESX

- YESXzYESX®YESX

YESXYYESX®YESX- YESXzYESX®YESXYES³/₄

YexYIHall in AmsterdamY3MAIN

Yß7E-E6Y} 7E81-E619Y37E-E618Y, 7E81-E618

YNÖ

Y ®NO

Y
¬ NOYzYESY®YES
Y
NO
YNO
Y®NO
Y¬ NOYzYESY®YES
YNO^{3/4}
ZexZIChamberZ3MAIN
Zß7E-AFZ} 7E81-AF50Z37E-AF51Z, 7E81-AF51ZYESZ ®YESZ
¬ YESZzYESZ®YESZ
YESZYESZ®YESZ¬ YESZzYESZ®YESZYES^{3/4}
[ex[IChurch in Freiburg]3MAIN
[ß7E-E8{} 7E81-E817[37E-E816[, 7E81-E816
[NO
[®NO
[
¬ NO[zYES[®YES
[
NO
[NO
[®NO
[¬ NO[zYES[®YES
[NO^{3/4}
\ex\IChurch in Royaumont]3MAIN
\ß7E-E9\} 7E81-E916\37E-E917\, 7E81-E917
\NO
\ ®NO
\
¬ NO\zYES\®YES
\
NO
\NO
\®NO
\¬ NO\zYES\®YES
\NO^{3/4}
]ex]IVillage Vanguard]3MAIN
]ß7E-EB]\} 7E81-EB14]37E-EB15], 7E81-EB15
]NO
] ®NO
]
¬ NO]zYES]®YES
]
NO
]NO
]®NO
]¬ NO]zYES]®YES
]NO^{3/4}
^ex^IThe Bottom Line^3MAIN
^ß7E-EC^} 7E81-EC13^37E-EC12^, 7E81-EC12^YES^ ®YES^
¬ YES^zYES^®YES^
YES^YES^®YES^¬ YES^zYES^®YES^YES^{3/4}
_ex_ICellar Club_3MAIN
ß7E-CD{ 7E81-CD32_37E-CD33_, 7E81-CD33_YES_ ®YES_

- YES_zYES_®YES_
YES_YES_®YES_- YES_zYES_®YES_YES³⁴
`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(l06.6/#C3KA>0I:53674;7abcdefghijklmnoprstuvwxyz{|}~€/4
aexaIWarehouse Lofta3MAIN
aß7E-EEa} 7E81-EE11a37E-EE10a, 7E81-EE10
aNO
a ®NO
a
- NOazYESa®YES
a
NO
aNO
a®NO
a- NOazYESa®YES
aNO³⁴
bexbISportsb3MAIN
bß7E-F8b} 7E81-F807b37E-F806b, 7E81-F806bYESb ®YESb
- YESbzYESb®YESb
YESbYESb®YESb- YESbzYESb®YESbYES³⁴
cdxcIMusic Videoc3MAIN
cß7E-F3c} 7E81-F30Cc37E-F30Dc, 7E81-F30DcYESc ®YESc
- YESczYESc®YESc
YEScYESc®YESc- YESczYESc®YEScYES³⁴
dexdI
Recital/Operad3MAIN
dß7E-F5d} 7E81-F50Ad37E-F50Bd, 7E81-F50B
dNO
d ®NO
d
- NODzYESd®YES
d
NO
dNO
d®NO
d- NODzYESd®YES
dNO³⁴
eexeIAction Gamee3MAIN
eß7E-F2e} 7E81-F20De37E-F20Ce, 7E81-F20CeYESe ®YESe
- YESezYESe®YESe
YESeYESe®YESe- YESezYESe®YESeYES³⁴
fexfIRoleplaying Gamef3MAIN
fß7E-CEf} 7E81-CE31f37E-CE30f, 7E81-CE30fYESf ®YESf
- YESfzYESf®YESf
YESfYESf®YESf- YESfzYESf®YESfYES³⁴
gexgIStandardg3MAIN
gß7E-FEg} 7E81-FE01g37E-FE00g, 7E81-FE00gYESg ®YESg
- YESgzYESg®YESg
YESgYESg®YESg- YESgzYESg®YESgYES³⁴
hdxhI Spectacleh3MAIN
hß7E-F9h} 7E81-F906h37E-F907h, 7E81-F907hYESh ®YESh
- YEShzYESh®YESh

YESh YESh® YESh- YEShz YESh® YESh YES^{3/4}
iexiISci-Fii3MAIN
iβ7E-FAi} 7E81-FA05i37E-FA04i, 7E81-FA04i YESi ® YESi
- YESiz YESi® YESi
YESi YESi® YESi- YESiz YESi® YESi YES^{3/4}
jexjI Adventurej3MAIN
jβ7E-FBj} 7E81-FB04j37E-FB05j, 7E81-FB05j YESj ® YESj
- YESjz YESj® YESj
YESj YESj® YESj- YESjz YESj® YESj YES^{3/4}
kex
kIDramak3MAIN
kβ7E-FCk} 7E81-FC03k37E-FC02k, 7E81-FC02k YESk ® YESk
- YESkz YESk® YESk
YESk YESk® YESk- YESkz YESk® YESk YES^{3/4}
lexIJ
Mono MovieIbMAIN
là7E-F7l— 7E81-F708lb7E-F70911 7E81-F7091 YESl ® YESl
- YESlz YESl® YESl
YESI YESI® YESI- YESlz YESl® YESI YES^{3/4}
mexmI
2ch Stereom3MAIN
mβ7E-C0m} 7E81-C03Fm37E-C03Em, 7E81-C03Em YESm ® YESm
- YESmz YESm® YESm
YESm YESm® YESm- YESmz YESm® YESm YES^{3/4}
ndxnJ
Xch StereonbMAIN
nà7E-FFn— 7E81-FF00nb7E-FF01n1 7E81-FF01n° YESn ± YESn
²YESn| YESn± YESn
° YESn° YESn± YESn² YESn| YESn± YESn° YESo et SUR. DECODE
oŠONoÍMAIN
oá7E-FDo 7E81-FD02o>7E-FD03o= 7E81-FD03o YESo ÍYESo
ÍYESo< YESoÍYESo
ÍYESoÍYESoÍYESo< YESoÍYESoÍYESpept ENHANCERp OAUTOp2MAIN
pÙ7E-D8p• 7E81-D827p-7E-D826p(7E81-D826p © YESp ° YESp
« YESp¬ YESp° YESp
© YESp © YESp° YESp « YESp¬ YESp° YESp © YES^{3/4}
qeqIOFFq3MAIN
qÙ7E-D9q• 7E81-D926q-7E-D927q(7E81-D927q YESq ® YESq
- YESqz YESq® YESq
YESq YESq® YESq- YESqz YESq® YESq YESr@r^TONEr8BASS +
r5ZONE2
rÙ7A-73r• 7A85-738Cr-7A-738Dr(7A85-738D
r³NO
r ^NOr
μ YESrw YESr` YES
r
³NO
r³NO
r^NOr μ YESrw YESr` YES
r³NOs@sCONTROLSO
s3ZONE3
sÙ7A-77s• 7A85-7788s-7A-7789s(7A85-7789
sNO
s ® NO

s
¬NOszYESs®YES
s
NO
sNO
s®NO
s¬NOszYESs®YES
sNO¾t@O
tbZONE4tÛ7E-433Ct+ 7E81-433Ct27E-433Dt@ 7E81-433D
t°NO
t »NO
t
¼NO
½NO
tüNO
t
°NO
t°NO
t»NO
t¼NO
t½NO
tüNO
t°NO¾
u@u8BASS -
u5ZONE2
uÛ7A-74u€ 7A85-748Bu57A-748Au4 7A85-748A
u³NO
u NOu
μYESuwYESu YES
u
³NO
u³NO
u NOu μYESuwYESu YES
u³NO¾v@O
v3ZONE3
vÛ7A-78v• 7A85-7887v-7A-7886v(7A85-7886
vNO
v ®NO
v
¬NOvzYESv®YES
v
NO
vNO
v®NO
v¬NOvzYESv®YES
vNO¾w@O
w7ZONE4wÛ7E-443Bw/ 7E81-443Bw;7E-443AwE 7E81-443A
w°NO
w »NO
w
¼NO
w½NO
wüNO
w

^oNO
w^oNO
w»NO
w¹/₄NO
w¹/₂NO
wüNO
w^oNO³/₄
x@x8TREBLE +
x5ZONE2
xÙ7A-75x• 7A85-758Ax-7A-758Bx(7A85-758B
x³NO
x NOx
μYESxwYESx`YES
x
³NO
x³NO
x`NOxμYESxwYESx`YES
x³NO³/₄y@O
y3ZONE3
yÙ7A-79y• 7A85-7986y-7A-7987y(7A85-7987
yNO
y [®]NO
y
^-NOyzYESy®YES
y
NO
yNO
y®NO
y^-NOyzYESy®YES
yNO³/₄z@O
z7ZONE4zÙ7E-453Az+ 7E81-453Az27E-453Bz@ 7E81-453B
z^oNO
z »NO
z
¹/₄NO
z¹/₂NO
züNO
z
^oNO
z^oNO
z»NO
z¹/₄NO
z¹/₂NO
züNO
z^oNO³/₄
{@{8TREBLE -
{5ZONE2
{Ù7A-76{€ 7A85-7689{57A-7688{4 7A85-7688
{³NO
{ NO{
μYES{wYES{`YES
{
³NO
{³NO

{ `NO{μYES{wYES{`YES
{³NO³⁴}@O
|3ZONE3
|Ù7A-7A• 7A85-7A85|-7A-7A84|(7A85-7A84
|NO
| ®NO
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- NO|zYES|®YES
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NO
|NO
|®NO
|`NO|zYES|®YES
|NO³⁴}@O
}7ZONE4}Ý7E-4639}/ 7E81-4639};7E-4638}E 7E81-4638
}°NO
} »NO
}
¼NO
}½NO
}üNO
}
°NO
}°NO
}»NO
}¼NO
}½NO
}üNO
}°NO~@~^BALANCE~8LEFT
~5ZONE2
~Ù7E-D4~• 7E81-D42B~-7E-D42A~(7E81-D42A
~³NO
~ NO~
μYES~wYES~`YES
~
³NO
~³NO
~`NO~μYES~wYES~`YES
~³NO³⁴}@O
3ZONE3
Ù7E-D6• 7E81-D629-7E-D628(7E81-D628
NO
 ®NO

- NOzYES®YES

NO
NO
®NO
- NOzYES®YES
NO³⁴€@O
€7ZONE4€Ù7E-4738€ 7E81-4738€7E-4739€@ 7E81-4739
€NO
€ »NO

€
¼NO
€½NO
€iNO
€
°NO
€NO
€NO
€/4NO
€/2NO
€iNO

€NOxD+(l22717<45251666A@/92-//:,f „...†‡^‰Š<ŒŽ““”•—~TMŠ> œžŸ ¾
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8RIGHT

5ZONE2

Ú7E-D5€7E81-D52A57E-D52B4 7E81-D52B

³NO

‘NO

μYESwYES`YES

³NO

³NO

‘NOμYESwYES`YES

³NO¾,@O

,3ZONE3

,Ù7E-D7,• 7E81-D728,-7E-D729,(7E81-D729

,NO

, ®NO

,¬NO,zYES,®YES

,NO¾f@O

fbZONE4fP7E-4837fš 7E81-4837fa7E-4836f@ 7E81-4836

f°NO

f ±NO

f

²NO

f|NO

fýNO

f

°NO

f°NO

f±NO

f²NO

f|NO

fýNO

f°NO,,cMENU,,÷SUR.,,þPLII(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¶ô1þ1...•

7E81-6897...-7E-6896...(7E81-6896...YES... ®YES...
- YES...zYES...®YES...
YES... YES...®YES... - YES...zYES...®YES... YES^{3/4}
†dx†yPLII(IIX) GAME†®MAIN
†Ù7E-C7†• 7E81-C738†-7E-C739†(7E81-C739†YES† ®YES†
- YES†zYES†®YES†
YES†YES†®YES†- YES†zYES†®YES†YES^{3/4}
‡dx‡yNEO:6 CINEMA‡®MAIN‡Ù¤Tøö'È1‡• 7E81-6996‡-7E-6997‡(7E81-6997‡YES‡ ®YES‡
- YES‡zYES‡®YES‡
YES‡YES‡®YES‡- YES‡zYES‡®YES‡YES^{3/4}
^dx^yNEO:6 MUSIC^®MAIN
^Ù7E-6A^• 7E81-6A95^-7E-6A94^(7E81-6A94^YES^ ®YES^
- YES^zYES^®YES^
YES^YES^®YES^- YES^zYES^®YES^YES^{3/4}
‰odý‰oyPrologic‰o®MAIN
‰Ù7E-C9‰o• 7E81-C936‰o-7E-C937‰o(7E81-C937‰oYES‰o ®YES‰o
- YES‰oZYES‰o®YES‰o
YES‰oYES‰o®YES‰o- YES‰oZYES‰o®YES‰oYESŠd
ŠtEXTEDŠvAUTOŠ MAIN
ŠÚ7E-7CŠ€ 7E81-7C83Š57E-7C82Š4 7E81-7C82Š³YESŠ `YESŠ
μYESŠwYESŠ`YESŠ
³YESŠ³YESŠ`YESŠμYESŠwYESŠ`YESŠ³YES<d>xSURROUND<IPLII,~ MOVIE<3MAIN
<Ù7E-DD<• 7E81-DD22-<7E-DD23<(7E81-DD23<YES< ®YES<
- YES<zYES<®YES<
YES<YES<®YES<- YES<zYES<®YES<YES^{3/4}
ŒdxŒIPLII,~ MUSICŒ3MAIN
ŒÙ7E-DEŒ• 7E81-DE21Œ-7E-DE20Œ(7E81-DE20ŒYESŒ ®YESŒ
- YESŒzYESŒ®YESŒ
YESŒYESŒ®YESŒ- YESŒzYESŒ®YESŒYES^{3/4}
dxy ON(EX/ES)®MAIN
Ù7E-B8• 7E81-B847-7E-B846(7E81-B846YES ®YES
- YESzYES®YES
YESYES@YES- YESzYES@YESYES^{3/4}
ŽdxŽ{OFFŽ±MAIN
ŽÝ7E-B9Ž/ 7E81-B946Ž;7E-B947Ž@ 7E81-B947ŽYESŽ ®YESŽ
- YESŽzYESŽ®YESŽ
YESŽYESŽ@YESŽ- YESŽzYESŽ@YESŽYES ?^HDMI Auto Lipsync
KON5MAINÙ7E-83FC€ 7E81-83FC57E-83FD[7E81-83FDñYES ðYES
ðYESfYESðYES
ñYESñYESðYESðYESfYESðYESñYES^{3/4}
?JOFF(MANUAL)bMAINÙ7E-84FB+ 7E81-84FB27E-84FA@ 7E81-84FA°YES ±YES
²YES|YES±YES
°YES°YES±YES²YES|YES±YES°YES‘d’t DUAL MONO‘vMAIN‘MAIN‘ÙðYbô3Í,‘€ 7E81-936C‘57E-
936D‘4 7E81-936D
‘³NO
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μYES*J
‘wYES*J
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'µYES*J
'wYES*J
'YES*J
'NO^{3/4}
'dx'ySUB'@MAIN'ÙÍáÃ\—,'• 7E81-946B'-7E-946A'(7E81-946A
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- YES*J
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§çgœ°b,"+ 7E81-956A"27E-956B"@ 7E81-956B
"NO
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1/4YES*J
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"1/2YES*J
"»YES*J
"NO" d" ^ADAPTIVE DRC
"KON"5MAIN"Ù7E-740B"€ 7E81-740B"57E-740A"[7E81-740A"³YES" 'YES"
µYES" wYES" 'YES"
³YES"³YES" 'YES" µYES" wYES" 'YES"³YES^{3/4}
•d •FOFF•7MAIN•Ù7E-750A•/ 7E81-750A•;7E-750B•; 7E81-750B•YES• @YES•
- YES• zYES• @YES•
YES• YES• @YES• - YES• zYES• @YES• YES• YES-d-ADAPTIVE DSP
-HON--MAIN-Ù7E-7609-- 7E81-7609--7E-7608-(7E81-7608-³YES- 'YES-
µYES-wYES-'YES-
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—d—+OFF—bMAIN—Û7E-7708—+ 7E81-7708—27E-7709—@ 7E81-7709—YES— @YES—
- YES— zYES— @YES—
YES— YES— @YES— - YES— zYES— @YES— YES~d~^ TRIGGER 1~KHIGH~5ALL~Û7E-3F40~€7E81-
3F40~57E-3F41~4 7E81-3F41~³YES~ 'YES~
µYES~ wYES~ 'YES~
³YES~³YES~ 'YES~ µYES~ wYES~ 'YES~³YES^{3/4}
TM_dTM_{+LOW}TM_bALLTMÛ7E-403FTM_{+ 7E81-403FTM}27E-403ETM_{@ 7E81-403ETM}YESTM_{@YESTM}
- YESTMzYESTM@YESTM
YESTMYESTM@YESTM- YESTMzYESTM@YESTMYESTMYES^{šeš}^ TRIGGER 2šKHIGHš5ALLšÛ7E-413Eš€7E81-
413Eš57E-413Fš4 7E81-413F

š³NO
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μ YES š w YES š ` YES
š
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š` NO š μ YES š w YES š ` YES
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› d JLOW › b ALL › Ü7E-423D › + 7E81-423D › 27E-423C › @ 7E81-423C
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VOLUME MEMORY~
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¤YES¤wYES¤`YES¤
¤³YES¤³YES¤`YES¤µYES¤wYES¤`YES¤³YES¤³YES¤³¥dx¤
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¤Ü7E-87¤• 7E81-8778¤-7E-8779¤(7E81-8779¤YES¤ ®YES¤
- YES¤zYES¤®YES¤
¤YES¤YES¤®YES¤`YES¤zYES¤®YES¤YES¤YES¤³¤@O
¤3ZONE3
¤Ü7E-20¤• 7E81-20DF¤-7E-20DE¤@ 7E81-20DE

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- NO|zYES|®YES
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NO
|NO
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|- NO|zYES|®YES
|NO³⁴§@OÖ§7ZONE4§Ü7E-007F§Y 7E81-007F§77E-007E§; 7E81-007E
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§NO³⁴
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“ö@“-MAIN
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μYES“wYES““YES“
³YES“³YES““YES“μYES“wYES““YES“³YES³⁴©dxô
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- YES©zYES©®YES©
YES©YES©®YES©- YES©zYES©®YES©YES³⁴ª@O
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- NOªzYESª®YES
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ª®NO
ª- NOªzYESª®YES
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¬Ü7E-6D• 7E81-6D92¬-7E-6D93¬(7E81-6D93¬³YES¬ °YES¬
μYES°wYES°°YES°
³YES°³YES°°YES°μYES°wYES°°YES°³YES¾dxô
3ZONE2
Ü7E-89• 7E81-8976-7E-8977(7E81-8977YES ®YES
¬ YESzYES®YES
YESYES®YES¬ YESzYES®YESYES¾®@O
®3ZONE3
®Ü7E-22®• 7E81-22DD®-7E-22DC®@ 7E81-22DC
®NO
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¬ NO®zYES®®YES
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®NO
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®¬ NO®zYES®®YES
®NO¾¬ @OÖ¬ 7ZONE4¬ Ü7E-027D¬ Y 7E81-027D¬ 77E-027C¬; 7E81-027C
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°ö@°5MAIN
°Ü7E-6E°• 7E81-6E91°-7E-6E90°(7E81-6E90°³YES° °YES°
μYES°wYES°°YES°
³YES°³YES°°YES°μYES°wYES°°YES°³YES¾±dxô
±3ZONE2
±Ü7E-8A±• 7E81-8A75±-7E-8A74±(7E81-8A74±YES± ®YES±
¬ YES±zYES±®YES±
YES±YES±®YES±¬ YES±zYES±®YES±YES¾²@O
²3ZONE3
²Ü7E-23²• 7E81-23DC²-7E-23DD²@ 7E81-23DD
²NO
² ®NO
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- NO²z YES²@YES

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NO

²NO

²@NO

- NO²z YES²@YES

²NO³@OÖ³7ZONE4³Ü7E-037C³Y 7E81-037C³77E-037D³; 7E81-037D

³NO

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³NO³/4

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'ö@'5MAIN

'Ü7E-6F'• 7E81-6F90'-7E-6F91'(7E81-6F91'3YES` 'YES`

µYES`wYES`'YES`

'3YES'3YES`'YES`µYES`wYES`'YES`'3YES³/4µö

µ3ZONE2

µÜ7E-8Bµ• 7E81-8B74µ-7E-8B75µ(7E81-8B75µ YESµ ®YESµ

- YESµzYESµ®YESµ

YESµ YESµ ®YESµ - YESµzYESµ®YESµ YES³/4‰O

¶3ZONE3

¶Ü7E-24¶• 7E81-24DB¶-7E-24DA¶@ 7E81-24DA

¶NO

¶ @NO

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- NO¶zYES¶®YES

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NO

¶NO

¶ @NO

¶- NO¶zYES¶®YES

¶NO³/4@OÖ-7ZONE4-Ü7E-047B-Y 7E81-047B-77E-047A-; 7E81-047A

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·ö@·5MAIN
·Ü7E-70• 7E81-708F,-7E-708E,(7E81-708E,³YES, ·YES,
µYES,wYES, ·YES,
³YES,³YES, ·YES,µYES,wYES, ·YES,³YES^{3/4}!ÿô
·3ZONE2
·Ü7E-8C¹• 7E81-8C73¹-7E-8C72¹(7E81-8C72¹YES¹ ®YES¹
- YES¹zYES¹®YES¹
YES¹YES¹®YES¹- YES¹zYES¹®YES¹YES^{3/4}‰O
·3ZONE3
·Ü7E-25°• 7E81-25DA°-7E-25DB°@ 7E81-25DB
·NO
·®NO
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- NO°zYES°®YES
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NO
·NO
·®NO
·- NO°zYES°®YES
·NO^{3/4}»@OÖ»7ZONE4»Ü7E-057A»Y 7E81-057A»77E-057B»; 7E81-057B
»NO
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- NO
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VOLUME RECALL~
·^{1/4}öð?·^{1/4}5MAIN
·^{1/4}Ü7E-75^{1/4}• 7E81-758A^{1/4}-7E-758B^{1/4}(7E81-758B^{1/4}³YES^{1/4} ·YES^{1/4}
µYES^{1/4}wYES^{1/4} ·YES^{1/4}
³YES^{1/4}³YES^{1/4} ·YES^{1/4}µYES^{1/4}wYES^{1/4} ·YES^{1/4}³YES^{3/4}!exô
·^{1/2}3ZONE2
·^{1/2}Ü7E-8D^{1/2}• 7E81-8D72^{1/2}-7E-8D73^{1/2}(7E81-8D73^{1/2}YES^{1/2} ®YES^{1/2}
- YES^{1/2}zYES^{1/2}®YES^{1/2}
YES^{1/2}YES^{1/2}®YES^{1/2}- YES^{1/2}zYES^{1/2}®YES^{1/2}YES^{3/4}?O
·^{3/4}3ZONE3
·^{3/4}Ü7E-60^{3/4}• 7E81-609F^{3/4}-7E-609E^{3/4}@ 7E81-609E
·^{3/4}NO
·^{3/4}
- NO^{3/4}zYES^{3/4}®YES
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NO

¾NO

¾®NO

¾¬NO¾zYES¾®YES

¾NO¾@OÖ;7ZONE4;Ü7E-0679;Y 7E81-0679;77E-0678; 7E81-0678

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Àö@À5MAIN

ÀÙ7E-76À• 7E81-7689À-7E-7688À(7E81-7688À³YESÀ `YESÀ

µYESÀwYESÀ `YESÀ

³YESÀ³YESÀ `YESÀµ YESÀwYESÀ `YESÀ³YES×D'***C#.#.#.#.#C#ÁÂÃÄÅÆÇÈÉËÌÍÐÑÒÓÔÖÖ×ØÙ ÚÛ

ÜÝþßà¾Áexô

Á3ZONE2

ÁÙ7E-8EÁ• 7E81-8E71Á-7E-8E70Á(7E81-8E70ÁYESÁ ®YESÁ

- YESÁzYESÁ®YESÁ

YESÁYESÁ®YESÁ- YESÁzYESÁ®YESÁYES¾Â?O

Á3ZONE3

ÁÙ7E-61Á• 7E81-619EÁ-7E-619FÁ@ 7E81-619F

ÁNO

Á ®NO

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¬NOÁzYESÁ®YES

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ÁNO

Á®NO

Á¬NOÁzYESÁ®YES

ÁNO¾Á@OÖÁ7ZONE4ÁÜ7E-0778ÁY 7E81-0778Á77E-0779Á; 7E81-0779

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Äö@Ä5MAIN

ÄÙ7E-77Ä• 7E81-7788Ä-7E-7789Ä(7E81-7789Ä³YESÄ `YESÄ

µYESÄwYESÄ`YESÄ

³YESÄ³YESÄ`YESÄµ YESÄwYESÄ`YESÄ³YES³/4Ädxô

Å3ZONE2

ÅÙ7E-8FÅ• 7E81-8F70Å-7E-8F71Å(7E81-8F71Å YESÅ ®YESÅ

- YESÅzYESÅ®YESÅ

YESÅYESÅ®YESÅ- YESÅzYESÅ®YESÅ YES³/4Æ@O

Æ3ZONE3

Æß7E-62Æ} 7E81-629DÆ37E-629CÆ1 7E81-629C

ÆNO

Æ ®NO

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- NOÆzYESÆ®YES

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NO

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Æ- NOÆzYESÆ®YES

ÆENO³/4Ç@OÖÇ7ZONE4ÇÜ7E-0877ÇY 7E81-0877Ç77E-0876Ç; 7E81-0876

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Êö@È5MAIN

Èß7E-78È} 7E81-7887È37E-7886È(7E81-7886È³YESÈ `YESÈ

µYESÈwYESÈ`YESÈ

³YESÈ³YESÈ`YESÈµ YESÈwYESÈ`YESÈ³YES³/4Êdxô

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Éß7E-90É} 7E81-906FÉ37E-906EÉ, 7E81-906EÉYESÉ ®YESÉ

- YESÉzYESÉ®YESÉ

YESÉYESÉ®YESÉ- YESÉzYESÉ@YESÉYES³/4Ê@O

Ê3ZONE3

Êß7E-63Ê} 7E81-639CÊ37E-639DÊ1 7E81-639D

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- NOÊzYESÊ®YES

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Ìß7E-79Ì} 7E81-7986Ì37E-7987Ì(7E81-7987Ì³YESÌ `YESÌ
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Ìß7E-91Ì} 7E81-916EÌ37E-916FÍ, 7E81-916FÍYESÍ ®YESÍ
- YESÍzYESÍ®YESÍ
YESÍYESí®YESÍ- YESÍzYESí®YESÍYES³/4Ì‰oO
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ÑbZONE2

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- YESÑzYESÑ®YESÑ

YESÑYESÑ®YESÑ- YESÑzYESÑ®YESÑYES³/4Ò‰O

ÒbZONE3

Òà7E-65Ò— 7E81-659AÒb7E-659BÒ1 7E81-659B

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Ò ®NO

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Ò- NOÒzYESÒ®YES

ÒÑO³/4Ó@ MÖÓ7ZONE4ÓÜ7E-0B74ÓY 7E81-0B74Ó77E-0B75Ó1 7E81-0B75

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ÓÑOÔgÔVIDEO PRESET~

ÔKð?Ô5MAINÔÚ7E-A4DBÔ€ 7E81-A4DBÔ57E-A4DAÔ4 7E81-A4DA

Ô³NO

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ÔµNOÔfYESÔòYES

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Ô‰o~

ÕI@Õ3MAINÕß7E-A5DAÕ} 7E81-A5DAÕ37E-A5DBÕ, 7E81-A5DB

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Õ- NOÒzYESÕ®YES

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ÙÄNOÙZONE CONTROL

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ÙGONÙ)ALLÙØ7E-354AÙ~ 7E81-354AÙ)7E-354BÙ: 7E81-354B

Ù¶NOÙ ·YESÙ

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Ù

¶NOÚ¶YESÚ·YESÚ, YESÚ¹YESÚ·YES

Ú¶NO³/

ÜE ÜOFFÛbALLÛà7E-3649Û— 7E81-3649Ûb7E-3648Û1 7E81-3648

Ü°NOÛ ±YESÛ

²YESÛ|YESÛ±YES

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Ü°NOÖÜVMENUÜ< SRCH MODEÜGPRESETÜ^ALLÜØ7F01-FDÜ~ 7F01-FD02Û) 7F01-FD03Û: 7F01-FD03Û

FD03Û¶YESÛ · YESÛ

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