Projector
Control Command
Reference Manual

Introduction

This manual describes the commands used to control an NEC-made projector from a PC or other external device. A projector can be controlled by exchanging commands with an external device connected via a serial port or network. The manual assumes basic knowledge of projectors. For information about the functions of the model in use and how to adjust the device, see the operation manual of the projector .For information about the connection between the projector   and an external device, see "1 Connecting an External Device" (page 5). Connect an external device as appropriate for the usage environment of the projector.

Models for which the control commands are available

See the Appendix "Connecting an External Device".

Conventions

For information about how commands and responses are expressed in this manual, see "2.1 Understanding command details" (page 10).

NOTES

1. The acts of disclosure, duplication, and modification of part or whole contents in this reference manual without permission are prohibited.

2. The contents of this reference manual are subject to change without notice.

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1. Connecting an External Device

This chapter describes how to connect the projector to an external device and communication conditions.

1.1 Connection interface

The projector can be connected to a PC or other external device using the methods mentioned below.

For information about the connection method supported by the model in use, see the Appendix "Connecting an External Device".

Connection using a serial port

Connection via a network

Connection using a serial port

This method connects a PC and the projector using a serial cable (cross cable).

Connect the serial cable to the PC CONTROL port of the projector. The pin assignment of the serial cable is shown below.

<Connection between the PC CONTROL port (D-SUB 9P) and external device>

Pin number	Projector	External device
1	(Not used)	(Not used)
2	RxD	TxD
3	TxD	RxD
4	(Not used)	(Not used)
5	GND	GND
6	(Not used)	(Not used)
7	RTS	CTS
8	CTS	RTS
9	(Not used)	(Not used)

Connection via a network

Before connecting an external device via a network, check with the network administrator.

Some models cannot receive commands in standby mode. See Appendix "Standby Mode setting for receiving commands".

▶ Connection using a wired LAN

This method connects a PC and the projector using a LAN cable. For information about the type of LAN cable to be used (straight or cross), contact the network administrator. The pin assignment of the LAN port is shown below.

<LAN port (RJ-45 8-pin connector)>

Pin number	Function	Description
1	TD+	Transmit Data (+)
2	TD-	Transmit Data (-)
3	RD+	Receive Data (+)
4		Not used
5		Not used
6	RD-	Receive Data (-)
7		Not used
8		Not used

▶ Connection using a wireless LAN

This method connects a PC via a wireless LAN by connecting a wireless LAN unit to the projector. For information about the available wireless LAN units, see the operation manual of the model in use.

1.2   Communication conditions

For information about the connection methods available for the model in use, see the Appendix "Connecting an External Device".

Serial connection

The RS-232C-compliant communication method is supported. Specify the communication settings of the software used to send and receive commands, as shown below.

Item	Detail
Baud rate	115200/38400/19200/9600/4800 bps
Data length	8 bits
Parity bit	None
Stop bit	1 bit
Communication mode	Full duplex

LAN connection

▶ Wired LAN

Item	Detail
Data rate	Auto switchable (10/100 Mbps)
Supported standard	IEEE802.3 (10BASE-T)
	IEEE802.3u (100BASE-TX, Auto-Negotiation)

▶ Wireless LAN

See the operation manual of the wireless LAN unit to be used.

▶ Port number

Use TCP port number "7142" for sending and receiving commands.

2. Command List

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2.1 Understanding command details

In this manual, commands and responses are expressed as follows.

| 20h 88h *<ID1>* *<ID2>* 0Ch *<DATA01>* - *<DATA12>* *<CKS>* |

Command/response	A series of strings enclosed in a frame represents a command or response (in hexadecimal notation).
Parameter	A character string in italic enclosed in brackets represents a parameter. For information about the parameters that are common to the control commands (ID1, ID2, CKS, LEN, ERR1, and ERR2), see "2.2 Parameters" (page 10). For information about those parameters whose content varies from command to command (DATA), see the description of the relevant command.

2.2 Parameters

The parameters that are used in the control commands are listed below.

Parameter name		Description
ID1	Control ID	The value of the "control ID" set for the projector is used.
ID2	Model code	This varies depending on the model in use.
CKS	Checksum	The checksum is calculated as follows. 　　Add all preceding bytes of data. 　　Use the value of the low-order one byte (eight bits) of the addition result obtained in　　as the checksum.
LEN	Data length	This indicates the data length of the data part (DATA??) following LEN (in bytes).
DATA??	Variable length data	This varies depending on the character string stored.
ERR1 ERR2	Response error	The cause of an error is represented by a combination of error codes. For information about error codes, see "2.4 Error code list" (page 12).

Example of checksum calculation

| 20h 81h 01h 60h 01h 00h *<CKS>* |

Add all the data preceding the checksum.

"20h + 81h + 01h + 60h + 01h + 00h = 103h"

Use the low-order one byte "03h" of the addition result obtained in　　as the checksum.

2.3   **Responses**

After a command is sent to the projector, its result is returned as a response. How a response is returned differs depending on the execution result of the command.

When the execution of a command succeeds

When the command does not request data, a response is returned with no data part.

When the command requests data, a response is returned with data added to data parts.

When the execution of a command fails

A response is returned with the cause of the failed command execution indicated in <ERR1> and <ERR2>.

(Example) POWER ON

▶ **Command**

02h	00h	00h	00h	00h	02h

▶ **Response**

A2h	00h	*<ID1>*	*<ID2>*	02h	*<ERR1>*	*<ERR2>*	*<CKS>*

2.4 Error code list

The following table lists the combinations of error codes (ERR1 and ERR2) and describes the error indicated by each combination.

ERR1	ERR2	Error description
00h	00h	The command cannot be recognized.
00h	01h	The command is not supported by the model in use.
01h	00h	The specified value is invalid.
01h	01h	The specified input terminal is invalid.
01h	02h	The specified language is invalid.
02h	00h	Memory allocation error
02h	02h	Memory in use
02h	03h	The specified value cannot be set.
02h	04h	Forced onscreen mute on
02h	06h	Viewer error
02h	07h	No signal
02h	08h	A test pattern or filer is displayed.
02h	09h	No PC card is inserted.
02h	0Ah	Memory operation error
02h	0Ch	An entry list is displayed.
02h	0Dh	The command cannot be accepted because the power is off.
02h	0Eh	The command execution failed.
02h	0Fh	There is no authority necessary for the operation.
03h	00h	The specified gain number is incorrect.
03h	01h	The specified gain is invalid.
03h	02h	Adjustment failed.

3. Command details

3.1 [009. ERROR STATUS REQUEST]

Gets information about errors occurring in the projector.

Command

00h 88h 00h 00h 00h 88h

Response

▸ **When the command succeeds**

20h 88h *<ID1>* *<ID2>* 0Ch *<DATA01>* - *<DATA12>* *<CKS>*

▸ **When the command fails**

A0h 88h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

Data part

○ DATA1 - DATA12 ....Error information is provided. A bit set to "0" indicates that the data is normal, and a bit set to "1" indicates an error. For an error information list, see the next page.

<Error information list>

Item	Description			
DATA01	Error status (1)			
	Bit0	Cover error	Bit4	Fan error
	Bit1	Temperature error (bi-metallic strip)	Bit5	Power error
	Bit2	None (fixed to 0)	Bit6	Lamp (or lamp 1) off or backlight off
	Bit3	Fan error	Bit7	Lamp (or lamp 1) in a replacement moratorium
DATA02	Error status (2)			
	Bit0	Lamp (or lamp 1) usage time exceeded the limit	Bit4	None (fixed to 0)
	Bit1	Formatter error	Bit5	None (fixed to 0)
	Bit2	Lamp 2 off	Bit6	None (fixed to 0)
	Bit3	None (fixed to 0)	Bit7	Refer to the extend status.
DATA03	Error status (3)			
	Bit0	None (fixed to 0)	Bit4	Lamp (or lamp 1) data error
	Bit1	FPGA error	Bit5	Mirror cover error
	Bit2	Temperature error (temperature sensor)	Bit6	Lamp 2 in a replacement moratorium
	Bit3	Lamp (or lamp 1) not present	Bit7	Lamp 2 usage time exceeded the limit
DATA04	Error status (4)			
	Bit0	Lamp 2 not present	Bit4	None (fixed to 0)
	Bit1	Lamp 2 data error	Bit5	Ballast communication error
	Bit2	Temperature error due to dust	Bit6	Iris calibration error
	Bit3	Foreign matter sensor error	Bit7	The lens is not installed properly.
DATA05 - 08	Reserved for the system			
DATA09	Extended status			
	Bit0	The portrait cover side is up	Bit4	None (fixed to 0)
	Bit1	The interlock switch is open.	Bit5	None (fixed to 0)
	Bit2	System error has occurred. (Slave CPU)	Bit6	None (fixed to 0)
	Bit3	System error has occurred (Formatter)	Bit7	None (fixed to 0)
DATA10 - 12	Reserved for the system			

3.2   [015. POWER ON]

Turns on the power of the projector.

Information

While this command is turning on the power, no other command can be accepted.

Command

02h 00h 00h 00h 00h 02h

Response

▶ **When the command succeeds**

22h 00h *<ID1>* *<ID2>* 00h *<CKS>*

▶ **When the command fails**

A2h 00h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.3   [016. POWER OFF]

Turns off the power of the projector.

Information

While this command is turning off the power (including the cooling time), no other command can be accepted.

Command

```
02h   01h   00h   00h   00h   03h
```

Response

▶ **When the command succeeds**

```
22h   01h   <ID1>   <ID2>   00h   <CKS>
```

▶ **When the command fails**

```
A2h   01h   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

3.4   [018. INPUT SW CHANGE]

Switches the input terminal or entry list.

Command

02h   03h   00h   00h   02h   01h   *<DATA01>*   *<CKS>*

Data part

Item	Description
DATA01	Input terminal

Information

For the values of input terminal, see the Appendix "Supplementary Information by Command".

▶ **Command example**

The following command switches the input terminal to a video port (DATA01: 06h).

02h   03h   00h   00h   02h   01h   06h   0Eh

Response

▶ When the command succeeds

22h   03h   *<ID1>*   *<ID2>*   01h   *<DATA01>*   *<CKS>*

Data part

Item	Description	
DATA01	Execution result	
	00h	Ended successfully.
	FFh	Ended with an error (no signal switch is made).

▶ When the command fails

A2h   03h   *<ID1>*   *<ID2>*   02h   *<ERR1>*   *<ERR2>*   *<CKS>*

3.5 [020. PICTURE MUTE ON]

Turns the picture mute on.

Information

If any of the following operations is done, the picture mute is turned off.

Input terminal switch

Video signal switch

Command

```
02h   10h   00h   00h   00h   12h
```

Response

▸ **When the command succeeds**

```
22h   10h   <ID1>   <ID2>   00h   <CKS>
```

▸ **When the command fails**

```
A2h   10h   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

3.6   [021. PICTURE MUTE OFF]

Turns the picture mute off.

Command

```
02h   11h   00h   00h   00h   13h
```

Response

▸ **When the command succeeds**

```
22h   11h   <ID1>   <ID2>   00h   <CKS>
```

▸ **When the command fails**

```
A2h   11h   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

3.7   [022. SOUND MUTE ON]

Turns the sound mute on.

Information

If any of the following operations is done, the sound mute is turned off.

Input terminal switch

Video signal switch

Sound volume adjustment

Command

02h   12h   00h   00h   00h   14h

Response

▶ **When the command succeeds**

22h   12h   *<ID1>*   *<ID2>*   00h   *<CKS>*

▶ **When the command fails**

A2h   12h   *<ID1>*   *<ID2>*   02h   *<ERR1>*   *<ERR2>*   *<CKS>*

3.8　[023. SOUND MUTE OFF]

Turns the sound mute off.

Command

```
02h   13h   00h   00h   00h   15h
```

Response

▸ **When the command succeeds**

```
22h   13h   <ID1>   <ID2>   00h   <CKS>
```

▸ **When the command fails**

```
A2h   13h   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

3.9 [024. ONSCREEN MUTE ON]

Turns the onscreen mute on.

Information

If any of the following operations is done, the onscreen mute is turned off.

Input terminal switch

Video signal switch

Command

02h 14h 00h 00h 00h 16h

Response

▸ **When the command succeeds**

22h 14h *<ID1>* *<ID2>* 00h *<CKS>*

▸ **When the command fails**

A2h 14h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.10 [025. ONSCREEN MUTE OFF]

Turns the onscreen mute off.

Command

```
02h  15h  00h  00h  00h  17h
```

Response

▶ **When the command succeeds**

```
22h  15h  <ID1>  <ID2>  00h  <CKS>
```

▶ **When the command fails**

```
A2h  15h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.11 [030-1. PICTURE ADJUST]

Adjusts the picture.

Command

03h 10h 00h 00h 05h *<DATA01>* FFh *<DATA02>* - *<DATA04>* *<CKS>*

Data part

Item	Description	
DATA01	Adjustment target	
	00h	Brightness
	01h	Contrast
	02h	Color
	03h	Hue
	04h	Sharpness
DATA02	Adjustment mode	
	00h	Specify an absolute value
	01h	Specify a relative value
DATA03	Adjustment value (low-order 8 bits)	
DATA04	Adjustment value (high-order 8 bits)	

▶ **Command example**

The following command sets brightness to "10".

03h 10h 00h 00h 05h 00h FFh 00h 0Ah 00h 21h

The following command sets brightness to "-10".

03h 10h 00h 00h 05h 00h FFh 00h F6h FFh 0Ch

Response

▶ **When the command succeeds**

23h 10h *<ID1>* *<ID2>* 02h *<DATA01>* *<DATA02>* *<CKS>*

Data part

Item	Description	
DATA01 DATA02	Execution result	
	0000h	Ended successfully.
	Other than 0000h	Ended with an error.

▶ **When the command fails**

A3h 10h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.12 [030-2. VOLUME ADJUST]

Adjusts the sound volume.

Command

03h 10h 00h 00h 05h 05h 00h *<DATA01>* - *<DATA03>* *<CKS>*

Data part

Item	Description	
DATA01	Adjustment mode	
	00h	Specify an absolute value
	01h	Specify a relative value
DATA02	Adjustment value (low-order 8 bits)	
DATA03	Adjustment value (high-order 8 bits)	

▶ **Command example**

The following command set the sound volume to "10".

03h 10h 00h 00h 05h 05h 00h 00h 0Ah 00h 27h

Response

▶ **When the command succeeds**

| 23h | 10h | *<ID1>* | *<ID2>* | 02h | *<DATA01>* | *<DATA02>* | *<CKS>* |

Data part

Item	Description	
DATA01	Execution result	
DATA02	0000h	Ended successfully.
	Other than 0000h	Ended with an error.

▶ **When the command fails**

| A3h | 10h | *<ID1>* | *<ID2>* | 02h | *<ERR1>* | *<ERR2>* | *<CKS>* |

3.13 [030-12. ASPECT ADJUST]

Adjusts the aspect.

Command

03h 10h 00h 00h 05h 18h 00h 00h *<DATA01>* 00h *<CKS>*

Data part

Item	Description
DATA01	Value set for the aspect

Information

For information about the values set for the aspect, see the Appendix "Supplementary Information by Command".

Response

▶ **When the command succeeds**

23h 10h *<ID1>* *<ID2>* 02h *<DATA01>* *<DATA02>* *<CKS>*

Data part

Item	Description	
DATA01	Execution result	
DATA02	0000h	Ended successfully.
	Other than 0000h	Ended with an error.

▶ **When the command fails**

A3h 10h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.14 [030-15. OTHER ADJUST]

Adjusts the various gains.

Command

03h   10h   00h   00h   05h   *<DATA01>* - *<DATA05>*   *<CKS>*

Data part

Item	Description		
DATA01	DATA01	DATA02	Adjustment target
DATA02	96h	FFh	LAMP ADJUST / LIGHT ADJUST
DATA03	Adjustment mode		
	00h	Specify an absolute value	
	01h	Specify a relative value	
DATA04	Adjustment value (low-order 8 bits)		
DATA05	Adjustment value (high-order 8 bits)		

Response

▶ **When the command succeeds**

23h	10h	*<ID1>*	*<ID2>*	02h	*<DATA01>*	*<DATA02>*	*<CKS>*

Data part

Item	Description	
DATA01 DATA02	Execution result	
	0000h	Ended successfully.
	Other than 0000h	Ended with an error.

▶ **When the command fails**

A3h	10h	*<ID1>*	*<ID2>*	02h	*<ERR1>*	*<ERR2>*	*<CKS>*

3.15 [037. INFORMATION REQUEST]

Gets the information of the projector.

Command

```
03h   95h   00h   00h   00h   98h
```

Response

▶ **When the command succeeds**

```
23h   8Ah   <ID1>   <ID2>   62h   <DATA01> - <DATA98>   <CKS>
```

Data part

Item	Description
DATA01 - 49	Projector name (NUL: termination character string).
DATA50 - 82	Reserved for the system
DATA83 - 86	Lamp usage time (seconds)
DATA87 - 90	Filter usage time (seconds)
DATA91 - 98	Reserved for the system

▶ **When the command fails**

```
A3h   8Ah   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

▶ **Response example**

When the lamp usage time is18000 seconds (5 hours)

```
23h   8Ah   <ID1>   <ID2>   62h   <DATA01> - <DATA82>   50h   46h   00h   00h
<DATA87> - <DATA98>   <CKS>
```

Lamp usage time (DATA83 – DATA86) = 18000 / 3600 = 5 hours

Information

While the usage time can be obtained in one-second units, the information is updated at one-minute intervals.

3.16 [037-3. FILTER USAGE INFORMATION REQUEST]

Gets filter usage information such as usage time.

Command

03h   95h   00h   00h   00h   98h

Response

▶ **When the command succeeds**

23h   95h   *<ID1>*   *<ID2>*   08h   *<DATA01>* - *<DATA08>*   *<CKS>*

Data part

Item	Description
DATA01 - 04	Filter usage time (seconds)
DATA05 - 08	Filter alarm start time (seconds)

Information

If no time is defined, "-1" is returned.

▶ **When the command fails**

A3h   95h   *<ID1>*   *<ID2>*   02h   *<ERR1>*   *<ERR2>*   *<CKS>*

3.17 [037-4. LAMP INFORMATION REQUEST 3]

Gets lamp usage information such as usage time or remaining life. When the eco mode is enabled, the values in the obtained information reflect the eco mode.

Command

03h 96h 00h 00h 02h *<DATA01>* *<DATA02>* *<CKS>*

Data part

Item	Description	
DATA01	Target	
	00h	Lamp 1
	01h	Lamp 2
DATA02	Content	
	01h	Lamp usage time (seconds)
	04h	Lamp remaining life (%)

Information

"01h" (Lamp 2) in DATA01 is effective only for two-lamp projector models.

▶ **Command example**

The following command gets the lamp usage time.

03h 96h 00h 00h 02h 00h 01h 9Ch

Response

▸ **When the command succeeds**

| 23h | 96h | *<ID1>* | *<ID2>* | 06h | *<DATA01>* - *<DATA06>* | *<CKS>* |

Data part

Item	Description		
DATA01	Target		
		00h	Lamp 1
		01h	Lamp 2
DATA02	Content		
		01h	Lamp usage time (seconds)
		04h	Lamp remaining life (%)
DATA03 - 06	Obtained information		

▸ **When the command fails**

| A3h | 96h | *<ID1>* | *<ID2>* | 02h | *<ERR1>* | *<ERR2>* | *<CKS>* |

▸ **Response example**

When the lamp usage time is18000 seconds (5 hours)

| 23h | 96h | *<ID1>* | *<ID2>* | 06h | 00h | 01h | 50h | 46h | 00h | 00h | *<CKS>* |

Lamp usage time (DATA03 - DATA06) = 18000 / 3600 = 5 hours

Information

While the lamp usage time can be obtained in one-second units, the information is updated at one-minute intervals.

If the lamp replacement deadline is exceeded, a negative value is returned as the lamp remaining life (%).

3.18 [037-6. CARBON SAVINGS INFORMATION REQUEST]

Gets the Carbon Saving values on the projector.

Command

03h   9Ah   00h   00h   01h   *<DATA01>*   *<CKS>*

Data part

Item	Description	
DATA01	Target	
	00h	Total Carbon Savings
	01h	Carbon Savings during operation

Response

▸ When the command succeeds

| 23h | 9Ah | *<ID1>* | *<ID2>* | 09h | *<DATA01>* - *<DATA09>* | *<CKS>* |

Data part

Item	Description	
DATA01	Target	
	00h	Total Carbon Savings
	01h	Carbon Savings during operation
DATA02 - 05	Carbon Savings (Kilogram Maximum: 99999[kg])	
DATA06 - 09	Carbon Savings (Milligram Maximum:999999[mg])	

▸ When the command fails

| A3h | 9Ah | *<ID1>* | *<ID2>* | 02h | *<ERR1>* | *<ERR2>* | *<CKS>* |

▸ Response example

When the Carbon Savings value is 2460.06375[kg].

| 23h | 9Ah | *<ID1>* | *<ID2>* | 09h | 00h | 9Ch | 90h | 00h | 00h | 06h | F9h | 00h | 00h |
| *<CKS>* |

3.19 [050. REMOTE KEY CODE]

Sends the key code for remote control.

Command

```
02h  0Fh  00h  00h  02h  <DATA01>  <DATA02>  <CKS>
```

Data part

Item	Description
DATA01	Key code (WORD type)
DATA02	For the combinations of key codes, see Table "Key code list".

<Key code list>

Key code	DATA01	DATA02	Key name
2	02h	00h	POWER ON
3	03h	00h	POWER OFF
5	05h	00h	AUTO
6	06h	00h	MENU
7	07h	00h	UP
8	08h	00h	DOWN
9	09h	00h	RIGHT
10	0Ah	00h	LEFT
11	0Bh	00h	ENTER
12	0Ch	00h	EXIT
13	0Dh	00h	HELP
15	0Fh	00h	MAGNIFY UP
16	10h	00h	MAGNIFY DOWN
19	13h	00h	MUTE
41	29h	00h	PICTURE
75	4Bh	00h	COMPUTER1
76	4Ch	00h	COMPUTER2
79	4Fh	00h	VIDEO1
81	51h	00h	S-VIDEO1
132	84h	00h	VOLUME UP
133	85h	00h	VOLUME DOWN
138	8Ah	00h	FREEZE
163	A3h	00h	ASPECT

Key code	DATA01	DATA02	Key name
215	D7h	00h	SOURCE
238	EEh	00h	LAMP MODE/ECO

▶ **Command example**

The following command sends the key code "AUTO".

```
02h  0Fh  00h  00h  02h  05h  00h  18h
```

Response

▶ **When the command succeeds**

```
22h  0Fh  <ID1>  <ID2>  01h  <DATA01>  <CKS>
```

Data part

Item	Description	
DATA01	Execution result	
	00h	Ended successfully.
	FFh	Ended with an error.

▶ **When the command fails**

```
A2h  0Fh  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.20 [051. SHUTTER CLOSE]

Closes the lens shutter.

Command

```
02h  16h  00h  00h  00h  18h
```

Response

▸ **When the command succeeds**

```
22h  16h  <ID1>  <ID2>  00h  <CKS>
```

▸ **When the command fails**

```
A2h  16h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.21 [052. SHUTTER OPEN]

Opens the lens shutter.

Command

```
02h  17h  00h  00h  00h  19h
```

Response

▸ **When the command succeeds**

```
22h  17h  <ID1>  <ID2>  00h  <CKS>
```

▸ **When the command fails**

```
A2h  17h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.22 [053. LENS CONTROL]

Adjusts the lens position.

Command

02h 18h 00h 00h 02h *<DATA01>* *<DATA02>* *<CKS>*

Data part

Item	Description	
DATA01	Target	
	00h	Zoom
	01h	Focus
	02h	Lens Shift (H)
	03h	Lens Shift (V)
DATA02	Content	
	00h	Stop
	01h	Drives for 1 second in the direction of plus
	02h	Drives for 0.5 second in the direction of plus
	03h	Drives for 0.25 second in the direction of plus
	7Fh	Drives in the direction of plus
	81h	Drives in the direction of minus
	FDh	Drives for 0.25 second in the direction of minus
	FEh	Drives for 0.5 second in the direction of minus
	FFh	Drives for 1 second in the direction of minus

Information

After sending "7Fh" (Drives in the direction of plus) or "81h" (Drives in the direction of minus) in DATA02, you can stop driving lens by sending "00h".

Response

▶ **When the command succeeds**

```
22h   18h   <ID1>   <ID2>   01h   <DATA01>   <CKS>
```

Data part

Item	Description	
DATA01	Execution result	
	00h	Ended successfully.
	FFh	Ended with an error.

▶ **When the command fails**

```
A2h   18h   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

Information

While the lens is being driven, you can control the lens position without a stop by issuing the same command.

3.23 [053-1. LENS CONTROL REQUEST]

Gets adjusted values of the lens position.

Command

02h 1Ch 00h 00h 02h *<DATA01>* 00h *<CKS>*

Data part

Item	Description	
DATA01	Target	
	00h	Zoom
	01h	Focus
	02h	Lens Shift (H)
	03h	Lens Shift (V)

Response

▶ When the command succeeds

22h 1Ch *<ID1>* *<ID2>* 08h *<DATA01>* 00h *<DATA02>* - *<DATA07>* *<CKS>*

Data part

Item	Description	
DATA01	Target	
	00h	Zoom
	01h	Focus
	02h	Lens Shift (H)
	03h	Lens Shift (V)
DATA02	Upper limit of the adjustment range (low-order 8 bits)	
DATA03	Upper limit of the adjustment range (high-order 8 bits)	
DATA04	Lower limit of the adjustment range (low-order 8 bits)	
DATA05	Lower limit of the adjustment range (high-order 8 bits)	
DATA06	Current value (low-order 8 bits)	
DATA07	Current value (high-order 8 bits)	

▶ When the command fails

A2h 1Ch *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.24 [053-2. LENS CONTROL 2]

Adjusts the lens position.

Command

```
02h  1Dh  00h  00h  04h  <DATA01> - <DATA04>  <CKS>
```

Data part

Item	Description		
DATA01	Target		
	00h	Zoom	
	01h	Focus	
	02h	Lens Shift (H)	
	03h	Lens Shift (V)	
	FFh	Stop	
DATA02	Adjustment mode		
	00h	Specify an absolute value	
	02h	Specify a relative value	
DATA03	Adjustment value (low-order 8 bits)		
DATA04	Adjustment value (high-order 8 bits)		

Information

If specifying "Stop" in DATA01, the Adjustment mode and Adjustment value are not referenced.

Response

▶ **When the command succeeds**

```
22h  1Dh  <ID1>  <ID2>  02h  <DATA01>  <DATA02>  <CKS>
```

Data part

Item	Description	
DATA01	Target	
	00h	Zoom
	01h	Focus
	02h	Lens Shift (H)
	03h	Lens Shift (V)
	FFh	Stop
DATA02	Adjustment mode	
	00h	Specify an absolute value
	02h	Specify a relative value

▶ **When the command fails**

```
A2h  1Dh  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.25 [053-3. LENS MEMORY CONTROL]

Controls the lens memory.

Information

See [053-4. REFERENCE LENS MEMORY CONTROL] for controlling the reference lens memory.

Command

02h 1Eh 00h 00h 01h *<DATA01>* *<CKS>*

Data part

Item	Description	
DATA01	Operation	
	00h	MOVE
	01h	STORE
	02h	RESET

Response

▶ **When the command succeeds**

```
22h  1Eh  <ID1>  <ID2>  02h  <DATA01>  <DATA02>  <CKS>
```

Data part

Item	Description		
DATA01	Operation		
	00h	MOVE	
	01h	STORE	
	02h	RESET	
DATA02	Execution result		
	00h	Ended successfully.	
	FFh	Ended with an error.	

▶ **When the command fails**

```
A2h  1Eh  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.26 [053-4. REFERENCE LENS MEMORY CONTROL]

Controls the reference lens memory.

Information

See [053-3. LENS MEMORY CONTROL] for controlling the lens memory.

This command controls the profile number specified in [053-10 LENS PROFILE SET].

Command

```
02h   1Fh   00h   00h   01h   <DATA01>   <CKS>
```

Data part

Item	Description	
DATA01	Operation	
	00h	MOVE
	01h	STORE
	02h	RESET

Response

▶ **When the command succeeds**

| 22h | 1Fh | *<ID1>* | *<ID2>* | 02h | *<DATA01>* | *<DATA02>* | *<CKS>* |

Data part

Item	Description		
DATA01	Operation		
	00h	MOVE	
	01h	STORE	
	02h	RESET	
DATA02	Execution result		
	00h	Ended successfully.	
	FFh	Ended with an error.	

▶ **When the command fails**

| A2h | 1Fh | *<ID1>* | *<ID2>* | 02h | *<ERR1>* | *<ERR2>* | *<CKS>* |

3.27 [053-5. LENS MEMORY OPTION REQUEST]

Gets the value set for the lens memory.

Command

```
02h   20h   00h   00h   01h   <DATA01>   <CKS>
```

Data part

Item	Description	
DATA01	Target	
	00h	LOAD BY SIGNAL
	01h	FORCED MUTE

Response

▶ **When the command succeeds**

```
22h   20h   <ID1>   <ID2>   02h   <DATA01>   <DATA02>   <CKS>
```

Data part

Item	Description	
DATA01	Target	
	00h	LOAD BY SIGNAL
	01h	FORCED MUTE
DATA02	Setting value	
	00h	OFF
	01h	ON

▶ **When the command fails**

```
A2h   20h   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

3.28 [053-6. LENS MEMORY OPTION SET]

Sets the lens memory.

Command

| 02h 21h 00h 00h 02h *<DATA01>* *<DATA02>* *<CKS>* |

Data part

Item	Description		
DATA01	Target		
	00h	LOAD BY SIGNAL	
	01h	FORCED MUTE	
DATA02	Setting value		
	00h	OFF	
	01h	ON	

Response

▶ **When the command succeeds**

```
22h  21h  <ID1>  <ID2>  02h  <DATA01>  <DATA02>  <CKS>
```

Data part

Item	Description	
DATA01	Target	
	00h	LOAD BY SIGNAL
	01h	FORCED MUTE
DATA02	Execution result	
	00h	Ended successfully.
	01h	Ended with an error.

▶ **When the command fails**

```
A2h  21h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.29 [053-7. LENS INFORMATION REQUEST]

Gets information about the lens of the projector.

Command

```
02h   22h   00h   00h   01h   00h   25h
```

Response

▶ **When the command succeeds**

```
22h   22h   <ID1>   <ID2>   02h   00h   <DATA01>   <CKS>
```

Data part

Item	Description					
DATA01	Target					
	Bit0	Lens memory		Bit4	Lens Shift (V)	
		0	Stop		0	Stop
		1	During operation		1	During operation
	Bit1	Zoom		Bit5	Reserved for the system	
		0	Stop			
		1	During operation			
	Bit2	Focus		Bit6	Reserved for the system	
		0	Stop			
		1	During operation			
	Bit3	Lens Shift (H)		Bit7	Reserved for the system	
		0	Stop			
		1	During operation			

▶ **When the command fails**

```
A2h   22h   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

3.30 [053-10. LENS PROFILE SET]

Selects the profile number of the reference lens memory.

Command

```
02h   27h   00h   00h   01h   <DATA01>   <CKS>
```

Data part

Item	Description	
DATA01	Profile number	
	00h	Profile 1
	01h	Profile 2

Response

▶ **When the command succeeds**

```
22h   27h   <ID1>   <ID2>   02h   <DATA01>   <DATA02>   <CKS>
```

Data part

Item	Description	
DATA01	Profile number	
	00h	Profile 1
	01h	Profile 2
DATA02	Execution result	
	00h	Ended successfully.
	01h	Ended with an error.

▶ **When the command fails**

```
A2h   27h   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

3.31 [053-11. LENS PROFILE REQUEST]

Gets the selected profile number of the reference lens memory.

Command

```
02h  28h  00h  00h  00h  2Ah
```

Response

▶ **When the command succeeds**

```
22h  28h  <ID1>  <ID2>  02h  <DATA01>  <DATA02>  <CKS>
```

Data part

Item	Description	
DATA01	Profile number	
	00h	Profile 1
	01h	Profile 2
DATA02	Reserved for the system	

▶ **When the command fails**

```
A2h  28h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.32 [060-1. GAIN PARAMETER REQUEST 3]

Gets adjusted values of the picture, volume, and so on.

Command

03h   05h   00h   00h   03h   *<DATA01>*   00h   00h   *<CKS>*

Data part

Item	Description	
DATA01	Adjusted value name	
	00h	PICTURE / BRIGHTNESS
	01h	PICTURE / CONTRAST
	02h	PICTURE / COLOR
	03h	PICTURE / HUE
	04h	PICTURE / SHARPNESS
	05h	VOLUME
	96h	LAMP ADJUST / LIGHT ADJUST

▶ **Command example**

The following command gets the adjusted value of the picture (brightness).

03h   05h   00h   00h   03h   00h   00h   00h   0Bh

Response

▸ When the command succeeds

```
23h  05h  <ID1>  <ID2>  10h  <DATA01> - <DATA16>  <CKS>
```

Data part

Item	Description	
DATA01	Adjusted value status	
	00h	Display not possible
	01h	Adjustment not possible
	02h	Adjustment possible
	FFh	The specified gain does not exist.
DATA02	Upper limit of the adjustment range (low-order 8 bits)	
DATA03	Upper limit of the adjustment range (high-order 8 bits)	
DATA04	Lower limit of the adjustment range (low-order 8 bits)	
DATA05	Lower limit of the adjustment range (high-order 8 bits)	
DATA06	Default value (low-order 8 bits)	
DATA07	Default value (high-order 8 bits)	
DATA08	Current value (low-order 8 bits)	
DATA09	Current value (high-order 8 bits)	
DATA10	Wide adjustment width (low-order 8 bits)	
DATA11	Wide adjustment width (high-order 8 bits)	
DATA12	Narrow adjustment width (low-order 8 bits)	
DATA13	Narrow adjustment width (high-order 8 bits)	
DATA14	Whether the default value is valid or invalid	
	00h	The default value is invalid.
	01h	The default value is valid.
DATA15 DATA16	Reserved for the system	

▸ When the command fails

```
A3h  05h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.33 [078-1. SETTING REQUEST]

Gets information of the projector.

Command

00h 85h 00h 00h 01h 00h 86h

Response

▶ **When the command succeeds**

20h 85h *<ID1>* *<ID2>* 20h *<DATA01>* - *<DATA32>* *<CKS>*

Data part

Item	Description	
DATA01 - 03	Base model type	
DATA04	Sound function	
	00h	Not available
	01h	Available
DATA05	Profile number	
	00h	Not available
	01h	Clock function
	02h	Sleep timer function
	03h	Clock function and Sleep timer function
DATA06 - 32	Reserved for the system	

Information

For the values of the base model types, see the Appendix "Supplementary Information by Command".

▶ **When the command fails**

A0h 85h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.34 [078-2. RUNNING STATUS REQUEST]

Gets the information about the operation status of the projector.

Command

```
00h  85h  00h  00h  01h  01h  87h
```

Response

▶ **When the command succeeds**

```
20h  85h  <ID1>  <ID2>  10h  <DATA01> - <DATA16>  <CKS>
```

Data part

Item	Description			
DATA01 - 02	Reserved for the system			
DATA03	Power status			
	00h	Standby	FFh	Not supported
	01h	Power on		
DATA04	Cooling process			
	00h	Not executed	FFh	Not supported
	01h	During execution		
DATA05	Power On/Off process			
	00h	Not executed	FFh	Not supported
	01h	During execution		
DATA06	Operation status			
	00h	Standby (Sleep)	0Fh	Standby (Power saving)
	04h	Power on	10h	Network standby
	05h	Cooling	FFh	Not supported
	06h	Standby (error)		
DATA07 - 16	Reserved for the system			

▶ **When the command fails**

```
A0h  85h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.35 [078-3. INPUT STATUS REQUEST]

Gets the information about the input signal status of the projector.

Command

```
00h   85h   00h   00h   01h   02h   88h
```

Response

▶ **When the command succeeds**

```
20h   85h   <ID1>   <ID2>   10h   <DATA01> - <DATA16>   <CKS>
```

Data part

Item	Description			
DATA01	Signal switch process			
	00h	Not executed	FFh	Not supported
	01h	During execution		
DATA02	Signal list number			
	00h – C7h	Signal list number - 1	FFh	Not supported
DATA03	Selection signal type 1			
	01h	1	04h	4
	02h	2	05h	5
	03h	3		
DATA04	Selection signal type 2			
	01h	COMPUTER	20h	DVI-D
	02h	VIDEO	21h	HDMI
	03h	S-VIDEO	22h	DisplayPort
	04h	COMPONENT	23h	VIEWER(6-10)
	05h	Reserved for the system	FFh	Not Source Input
	07h	VIEWER(1-5)		

Item	Description			
DATA05	Signal list type			
	00h	Default	FFh	Not supported
	01h	User		
DATA06	Test pattern display			
	00h	Not displayed	FFh	Not supported
	01h	Displayed		
DATA07 - 08	Reserved for the system			
DATA09	Content displayed			
	00h	Video signal displayed	03h	Test pattern displayed
	01h	No signal	04h	LAN displayed
	02h	Viewer displayed	FFh	Not supported
DATA10 - 16	Reserved for the system			

Information

A value which is "1" smaller than a practical value will be returned as a signal list number. For finding out a practical number, add "1" to the returned value.

For information about the Selection signal type, see the Appendix "Supplementary Information by Command".

▶ **When the command fails**

A0h 85h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

▶ **Response example**

When the signal list number is10.

20h 85h *<ID1>* *<ID2>* 10h *<DATA01>* 09h *<DATA03>* - *<DATA16>* *<CKS>*

3.36 [078-4. MUTE STATUS REQUEST]

Gets the mute status of the projector.

Command

```
00h   85h   00h   00h   01h   03h   89h
```

Response

▸ **When the command succeeds**

```
20h   85h   <ID1>   <ID2>   10h   <DATA01> - <DATA16>   <CKS>
```

Data part

Item	Description	
DATA01	Picture mute	
	00h	Off
	01h	On
	FFh	Not supported
DATA02	Sound mute	
	00h	Off
	01h	On
	FFh	Not supported
DATA03	Onscreen mute	
	00h	Off
	01h	On
	FFh	Not supported

Item	Description	
DATA04	Forced onscreen mute	
	00h	Off
	01h	On
	FFh	Not supported
DATA05	Onscreen display	
	00h	Not displayed
	01h	Displayed
	FFh	Not supported
DATA06 - 16	Reserved for the system	

▸ **When the command fails**

| A0h | 85h | *<ID1>* | *<ID2>* | 02h | *<ERR1>* | *<ERR2>* | *<CKS>* |

3.37 [078-5. MODEL NAME REQUEST]

Gets the model name of the projector.

Command

```
00h  85h  00h  00h  01h  04h  8Ah
```

Response

▶ **When the command succeeds**

```
20h  85h  <ID1>  <ID2>  20h  <DATA01> - <DATA32>  <CKS>
```

Data part

Item	Description
DATA01 - 32	Model name (NUL: termination character string)

▶ **When the command fails**

```
A0h  85h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.38 [078-6. COVER STATUS REQUEST]

Gets the status of the mirror cover or lens cover.

Command

00h 85h 00h 00h 01h 05h 8Bh

Response

▶ **When the command succeeds**

20h 85h *<ID1>* *<ID2>* 01h *<DATA01>* *<CKS>*

Data part

Item	Description	
DATA01	Status	
	00h	Normal (cover opened)
	01h	Cover closed

▶ **When the command fails**

A0h 85h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.39 [079. FREEZE CONTROL]

Controls whether to turn the freeze function on or off.

Command

01h 98h 00h 00h 01h *<DATA01>* *<CKS>*

Data part

Item	Description	
DATA01	Operation	
	01h	Turns the freeze function on.
	02h	Turns the freeze function off.

Response

▶ **When the command succeeds**

21h 98h *<ID1>* *<ID2>* 01h *<DATA01>* *<CKS>*

Data part

Item	Description	
DATA01	Execution result	
	00h	Ended successfully.
	01h	Ended with an error.

▶ **When the command fails**

A1h 98h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.40 [084. INFORMATION STRING REQUEST]

Gets the information strings (English) displayed on the projector.

Command

| 00h | D0h | 00h | 00h | 03h | 00h | *<DATA01>* | 01h | *<CKS>* |

Data part

Item	Description	
DATA01	Information type	
	03h	Horizontal synchronous frequency
	04h	Vertical synchronous frequency

Response

▸ **When the command succeeds**

| 20h | D0h | *<ID1>* | *<ID2>* | LEN | *<DATA01>* | 01h | *<DATA02>* - *<DATA??>* | *<CKS>* |

Data part

Item	Description	
DATA01	Information type	
	03h	Horizontal synchronous frequency
	04h	Vertical synchronous frequency
DATA02	Label/information string length (excluding NUL characters)	
DATA03 - ??	Label/information strings (NUL: termination character string)	

▸ **When the command fails**

| A0h | D0h | *<ID1>* | *<ID2>* | 02h | *<ERR1>* | *<ERR2>* | *<CKS>* |

3.41 [097-8. ECO MODE REQUEST]

Gets the value set for the eco mode.

Information

Depending on the projector, the value for the "Light mode" or "Lamp mode" will be returned.

Command

```
03h   B0h   00h   00h   01h   07h   BBh
```

Response

▶ **When the command succeeds**

```
23h   B0h   <ID1>   <ID2>   02h   07h   <DATA01>   <CKS>
```

Data part

Item	Description
DATA01	Value set for the eco mode

Information

For information about the values set for the eco mode, see the Appendix "Supplementary Information by Command".

▶ **When the command fails**

```
A3h   B0h   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

3.42 [097-45. LAN PROJECTOR NAME REQUEST]

Gets the projector name.

Command

```
03h  B0h  00h  00h  01h  2Ch  E0h
```

Response

▶ **When the command succeeds**

```
23h  B0h  <ID1>  <ID2>  12h  2Ch  <DATA01> -  <DATA17>  <CKS>
```

Data part

Item	Description
DATA01 - 17	Projector name (NUL: termination character string)

▶ **When the command fails**

```
A3h  B0h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.43 [097-155. LAN MAC ADDRESS STATUS REQUEST2]

Gets the MAC address of the projector.

Command

```
03h   B0h   00h   00h   02h   9Ah   00h   4Fh
```

Response

▶ **When the command succeeds**

```
23h   B0h   <ID1>   <ID2>   08h   9Ah   00h   <DATA01> - <DATA06>   <CKS>
```

Data part

Item	Description
DATA01 - 06	MAC address

▶ **When the command fails**

```
A3h   B0h   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

▶ **Response example**

When the MAC address of the projector is "01h-23h-45h-67h-89h-ABh", the following response is returned.

```
23h   B0h   <ID1>   <ID2>   08h   9Ah   00h   01h   23h   45h   67h   89h   ABh   <CKS>
```

3.44 [097-198. PIP/PICTURE BY PICTURE REQUEST]

Gets the value set for the picture in picture and picture by picture.

Command

03h   B0h   00h   00h   02h   C5h   *<DATA01>*   *<CKS>*

Data part

Item	Description		
DATA01	Target		
	00h	MODE	
	01h	START POSITION	
	02h	SUB INPUT	

Response

▸ **When the command succeeds**

23h B0h *<ID1>* *<ID2>* 03h C5h *<DATA01>* *<DATA02>* *<CKS>*

Data part

Item	Description	
DATA01	Target	
	00h	MODE
	01h	START POSITION
	02h	SUB INPUT
DATA02	Setting value (when DATA01 is 00h "MODE")	
	00h	PIP
	01h	PICTURE BY PICTURE
	Setting value (when DATA01 is 01h "START POSITION")	
	00h	TOP-LEFT
	01h	TOP-RIGHT
	02h	BOTTOM-LEFT
	03h	BOTTOM-RIGHT
	Sub input setting value (when DATA01 is 02h "SUB INPUT")	

Information

For the values of the Sub input setting value, see the Appendix "Supplementary Information by Command".

▸ **When the command fails**

A3h B0h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.45 [097-243-1. EDGE BLENDING MODE REQUEST]

Gets the value set for the edge blending.

Command

03h B0h 00h 00h 02h DFh 00h 94h

Response

▸ **When the command succeeds**

23h B0h *<ID1>* *<ID2>* 03h DFh 00h *<DATA01>* *<CKS>*

Data part

Item	Description	
DATA01	Setting value	
	00h	OFF
	01h	ON

▸ **When the command fails**

A3h B0h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.46 [098-8. ECO MODE SET]

Sets the eco mode.

Information

Depending on the projector, the "Light mode" or "Lamp mode" will be set.

Command

| 03h | B1h | 00h | 00h | 02h | 07h | *<DATA01>* | *<CKS>* |

Item	Description
DATA01	Value set for the eco mode

Information

For information about the values set for the eco mode, see the Appendix "Supplementary Information by Command".

Response

▸ **When the command succeeds**

| 23h | B1h | *<ID1>* | *<ID2>* | 02h | 07h | *<DATA01>* | *<CKS>* |

Data part

Item	Description	
DATA01	Execution result	
	00h	Ended successfully.
	01h	Ended with an error.

▸ **When the command fails**

| A3h | B1h | *<ID1>* | *<ID2>* | 02h | *<ERR1>* | *<ERR2>* | *<CKS>* |

3.47 [098-45. LAN PROJECTOR NAME SET]

Sets the projector name.

Command

```
03h  B1h  00h  00h  12h  2Ch  <DATA01> - <DATA16>  00h  <CKS>
```

Data part

Item	Description
DATA01 - 16	Projector name (up to 16 bytes)

Response

▶ **When the command succeeds**

```
23h  B1h  <ID1>  <ID2>  02h  2Ch  <DATA01>  <CKS>
```

Data part

Item	Description	
DATA01	Execution result	
	00h	Ended successfully.
	01h	Ended with an error.

▶ **When the command fails**

```
A3h  B1h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.48 [098-198. PIP/PICTURE BY PICTURE SET]

Sets the picture in picture or picture by picture.

Command

| 03h B1h 00h 00h 03h C5h *<DATA01>* *<DATA02>* *<CKS>* |

Data part

Item	Description		
DATA01	Target		
	00h	MODE	
	01h	START POSITION	
	02h	SUB INPUT	
DATA02	Setting value (when DATA01 is 00h "Mode")		
	00h	PIP	
	01h	PICTURE BY PICTURE	
	Setting value (when DATA01 is 01h "START POSITION")		
	00h	TOP-LEFT	
	01h	TOP-RIGHT	
	02h	BOTTOM-LEFT	
	03h	BOTTOM-RIGHT	
	Sub input setting value (when DATA01 is 02h "SUB INPUT")		

Information

For the values of the Sub input setting value, see the Appendix "Supplementary Information by Command".

Response

▸ When the command succeeds

```
23h  B1h  <ID1>  <ID2>  03h  C5h  <DATA01>  <DATA02>  <CKS>
```

Data part

Item	Description	
DATA01	Target	
	00h	MODE
	01h	START POSITION
	02h	SUB INPUT
DATA02	Execution result	
	00h	Ended successfully.
	01h	Ended with an error.

▸ When the command fails

```
A3h  B1h  <ID1>  <ID2>  02h  <ERR1>  <ERR2>  <CKS>
```

3.49 [098-243-1. EDGE BLENDING MODE SET]

Sets the edge blending.

Command

03h B1h 00h 00h 03h DFh 00h *<DATA01>* *<CKS>*

Data part

Item	Description	
DATA01	Setting value	
	00h	00h
	01h	01h

Response

▶ **When the command succeeds**

23h B1h *<ID1>* *<ID2>* 03h DFh 00h *<DATA01>* *<CKS>*

Data part

Item	Description	
DATA01	Execution result	
	00h	Ended successfully.
	01h	Ended with an error.

▶ **When the command fails**

A3h B1h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.50 [305-1. BASE MODEL TYPE REQUEST]

Gets the base model type of the projector.

Command

```
00h   BFh   00h   00h   01h   00h   C0h
```

Response

▶ **When the command succeeds**

```
20h   BFh   <ID1>   <ID2>   10h   00h   <DATA01> - <DATA15>   <CKS>
```

Data part

Item	Description
DATA01 DATA02	Base model type
DATA03 - 11	Model name (NUL: termination character string)
DATA12 DATA13	Base model type
DATA14 DATA15	Reserved for the system

Information

For the values of the base model types, see the Appendix "Supplementary Information by Command".

▶ **When the command fails**

```
A0h   BFh   <ID1>   <ID2>   02h   <ERR1>   <ERR2>   <CKS>
```

3.51 [305-2. SERIAL NUMBER REQUEST]

Gets the serial number of the projector.

Command

00h	BFh	00h	00h	02h	01h	06h	C8h

Response

▸ **When the command succeeds**

20h	BFh	*<ID1>*	*<ID2>*	12h	01h	06h	*<DATA01>* - *<DATA16>*	*<CKS>*

Data part

Item	Description
DATA01 - 16	Serial number (NUL: termination character string)

▸ **When the command fails**

A0h	BFh	*<ID1>*	*<ID2>*	02h	*<ERR1>*	*<ERR2>*	*<CKS>*

3.52 [305-3. BASIC INFORMATION REQUEST]

Gets the basic information about the operation status of the projector.

Command

```
00h   BFh   00h   00h   01h   02h   C2h
```

Response

▶ **When the command succeeds**

```
20h   BFh   <ID1>   <ID2>   10h   02h   <DATA01>   -   <DATA15>   <CKS>
```

Data part

Item	Description			
DATA01	Operation status			
	00h	Standby (Sleep)	06h	Standby (error)
	04h	Power on	0Fh	Standby (Power saving)
	05h	Cooling	10h	Network standby
DATA02	Content displayed			
	00h	Video signal displayed	04h	LAN displayed
	01h	No signal	05h	Test pattern (user) displayed
	02h	Viewer displayed	10h	Signal being switched
	03h	Test pattern displayed		
DATA03	Selection signal type 1			
	01h	1	04h	4
	02h	2	05h	5
	03h	3		

Item	Description			
DATA04	Selection signal type 2			
	01h	COMPUTER	20h	DVI-D
	02h	VIDEO	21h	HDMI
	03h	S-VIDEO	22h	DisplayPort
	04h	COMPONENT	23h	VIEWER(6-10)
	05h	Reserved for the system	FFh	Not Source Input
	07h	VIEWER(1-5)		
DATA05	Display signal type (effective only when DATA04 is 02h or 03h)			
	00h	NTSC3.58	09h	NTSC3.58 SQZ
	01h	NTSC4.43	0Ah	COMPONENT(60Hz)
	02h	PAL	0Bh	COMPONENT(50Hz)
	03h	PAL60	0Ch	Unknown
	04h	SECAM	0Dh	NTSC
	05h	B/W60	0Eh	PAL-M
	06h	B/W50	0Fh	PAL-L
	07h	PALNM	FFh	Not Video Input
	08h	NTSC3.58 LBX		
DATA06	Video mute			
	00h	Off	01h	On
DATA07	Sound mute			
	00h	Off	01h	On
DATA08	Onscreen mute			
	00h	Off	01h	On
DATA09	Freeze status			
	00h	Off	01h	On
DATA10 - 15	Reserved for the system			

Information

For information about which parameters are supported, see the Appendix "Supplementary Information by Command".

▶ **When the command fails**

A0h BFh *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

3.53 [319-10. AUDIO SELECT SET]

Sets the audio select.

Command

03h   C9h   00h   00h   03h   09h   *<DATA01>*   *<DATA02>*   *<CKS>*

Data part

Item	Description				
DATA01	Target				
	00h	HDMI1	03h	ETHRENET or HDBaseT	
	01h	HDMI2	04h	USB-A	
	02h	DisplayPort	05h	USB-B	
DATA02	Setting value				
	00h	The terminal specified in DATA01	02h	COMPUTER	
	01h	BNC			

Response

▶ **When the command succeeds**

23h C9h *<ID1>* *<ID2>* 03h 09h *<DATA01>* *<DATA02>* *<CKS>*

Data part

Item	Description			
DATA01	Target			
	00h	HDMI1	03h	ETHRENET or HDBaseT
	01h	HDMI2	04h	USB-A
	02h	DisplayPort	05h	USB-B
DATA02	Execution result			
	00h	Ended successfully.	01h	Ended with an error.

▶ **When the command fails**

A3h C9h *<ID1>* *<ID2>* 02h *<ERR1>* *<ERR2>* *<CKS>*

4. Revision History

Revision	Date	Description
6.1	May 29, 2017	Corrected the descriptions [053-3], [053-4]
6.0	December 6, 2016	Added the supported commands [051], [052]
5.0	January 6, 2016	Added the Copyright on all pages.
4.0	December 11, 2015	Corrected the supported command [053-6]
3.0	June 16, 2015	Added the supported command [030-15] Updated the supported command [060-1]
2.0	May 29, 2015	Added the supported commands [030-12], [037], [037-6], [053], [053-1], [053-2], [053-3], [053-4], [053-5], [053-6], [053-7], [053-10], [053-11], [078-1], [078-2], [078-3], [078-4], [078-5], [097-198], [097-243-1], [098-8], [098-198], [098-243-1], [319-10] Updated the supported command [009]
1.0	August 22, 2014	First version

Projector Control Command Reference Manual Appendixes

This is the supplemental document to the principal. Please refer to the principal about detailed information including precautions.

No.BDT140014

Revision History

Revision	Date	Description	Reference	Supported models
15.0	November 10, 2017	Added the supported models.	6.1	NP4100 / NP4100W NP-M420X / NP-M420XV / NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X NP-ME360X / NP-ME310X / NP-ME270X NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X / NP-P603X / NP-P523X / NP-PE523X NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W NP-P501X / NP-P451X / NP-P451W / NP-P401W / NP-PE501X NP-P420X / NP-P350X / NP-P350W NP-PE401H *NP-PA803UL / NP-PA653UL* NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U NP-PH1400U NP-PH1202HL / NP-PH1002HL NP-PH1000U *NP-PX1004UL* NP-PX803UL NP-PX750U / NP-PX700W / NP-PX800X NP-PX651X / NP-PX581W NP-PX620X / NP-PX550W NP-PX602UL / NP-PX602WL NP-U321H NP-U300X / NP-U250X / NP-U310W / NP-U260W NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X / NP-UM352W NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H NP-V311W / NP-V281W / NP-V311X NP-V300X / NP-V260X / NP-V300W / NP-V260W / NP-V230X / NP-V260 / NP-V230 / NP-V260R NP-VE303X / NP-VE303 NP-VE281X / NP-VE280X / NP-VE281 / NP-VE280

| 14.0 | July 3, 2017 | Added the supported models. | 6.1 | NP4100 / NP4100W
NP-M420X / NP-M420XV / NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS
NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS
NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X
NP-ME360X / NP-ME310X / NP-ME270X
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X / NP-P603X / NP-P523X / NP-PE523X
NP-P502HL / NP-P502WL
NP-P502H / NP-P502W / NP-P452H / NP-P452W
NP-P501X / NP-P451X / NP-P451W / NP-P401W / NP-PE501X
NP-P420X / NP-P350X / NP-P350W
NP-PE401H
NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X
NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U
NP-PH1400U
NP-PH1202HL / NP-PH1002HL
NP-PH1000U
NP-PX803UL
NP-PX750U / NP-PX700W / NP-PX800X
NP-PX651X / NP-PX581W
NP-PX620X / NP-PX550W
NP-PX602UL / NP-PX602WL
NP-U321H
NP-U300X / NP-U250X / NP-U310W / NP-U260W
NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X / NP-UM352W
NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H
NP-V311W / NP-V281W / NP-V311X
NP-V300X / NP-V260X / NP-V300W / NP-V260W / NP-V230X / NP-V260 / NP-V230 / NP-V260R
NP-VE303X / NP-VE303
NP-VE281X / NP-VE280X / NP-VE281 / NP-VE280 |
| 13.1 | May 15, 2017 | Updated the Reference number. | 6.1 | Same as Revision 13.0. |

13.0	January 11, 2017	Added the supported models. Added the following commands in sheet "3. Supported Command List". 051. LENS MUTE ON (SHUTTER CLOSE) 052. LENS MUTE OFF (SHUTTER OPEN)		6.0	NP4100 / NP4100W NP-M420X / NP-M420XV / NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X NP-ME360X / NP-ME310X / NP-ME270X NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W NP-P501X / NP-P451X / NP-P451W / NP-P401W / NP-PE501X NP-P420X / NP-P350X / NP-P350W NP-PE401H *NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X* NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U NP-PH1400U NP-PH1202HL / NP-PH1002HL NP-PH1000U NP-PX803UL NP-PX750U / NP-PX700W / NP-PX800X NP-PX651X / NP-PX581W NP-PX620X / NP-PX550W NP-PX602UL / NP-PX602WL NP-U321H NP-U300X / NP-U250X / NP-U310W / NP-U260W NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X / NP-UM352W NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H NP-V311W / NP-V281W / NP-V311X NP-V300X / NP-V260X / NP-V300W / NP-V260W / NP-V230X / NP-V260 / NP-V230 / NP-V260R NP-VE303X / NP-VE303 NP-VE281X / NP-VE280X / NP-VE281 / NP-VE280
12.0	October 25, 2016	Added the supported models.		5.0	NP4100 / NP4100W NP-M420X / NP-M420XV / NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W *NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X* NP-ME360X / NP-ME310X / NP-ME270X NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W NP-P501X / NP-P451X / NP-P451W / NP-P401W / NP-PE501X NP-P420X / NP-P350X / NP-P350W NP-PE401H NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U NP-PH1400U NP-PH1202HL / NP-PH1002HL NP-PH1000U NP-PX803UL NP-PX750U / NP-PX700W / NP-PX800X NP-PX651X / NP-PX581W NP-PX620X / NP-PX550W NP-PX602UL / NP-PX602WL NP-U321H NP-U300X / NP-U250X / NP-U310W / NP-U260W NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X / NP-UM352W NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H NP-V311W / NP-V281W / NP-V311X NP-V300X / NP-V260X / NP-V300W / NP-V260W / NP-V230X / NP-V260 / NP-V230 / NP-V260R NP-VE303X / NP-VE303 NP-VE281X / NP-VE280X / NP-VE281 / NP-VE280

11.0	February 29, 2016	Added the supported models. Corrected [Aspect] sheet. ("WIDE ZOOM" is enabled by the WXGA model, and "LETTERBOX" is enabled by a XGA model about M403 / M402 / UM351 Series.)	5.0	NP4100 / NP4100W NP-M420X / NP-M420XV / NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W NP-ME360X / NP-ME310X / NP-ME270X NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W NP-P501X / NP-P451X / NP-P451W / NP-P401W / NP-PE501X NP-P420X / NP-P350X / NP-P350W NP-PE401H NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U NP-PH1400U NP-PH1202HL / NP-PH1002HL NP-PH1000U NP-PX803UL NP-PX750U / NP-PX700W / NP-PX800X NP-PX651X / NP-PX581X NP-PX620X / NP-PX550W NP-PX602UL / NP-PX602WL NP-U321H NP-U300X / NP-U250X / NP-U310W / NP-U260W NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X / NP-UM352W NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H NP-V311W / NP-V281W / NP-V311X NP-V300X / NP-V260X / NP-V300W / NP-V260W / NP-V230X / NP-V260 / NP-V230 / NP-V260R *NP-VE303X / NP-VE303* NP-VE281X / NP-VE280X / NP-VE281 / NP-VE280
10.0	February 17, 2016	Added the supported models. (Added the models supported at Revision1.0)	5.0	*NP4100 / NP4100W* *NP-M420X / NP-M420XV / NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS* NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS *NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W* *NP-ME360X / NP-ME310X / NP-ME270X* NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W *NP-P501X / NP-P451X / NP-P451W / NP-P401W / NP-PE501X* *NP-P420X / NP-P350X / NP-P350W* *NP-PE401H* NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X *NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U* *NP-PH1400U* NP-PH1202HL / NP-PH1002HL *NP-PH1000U* NP-PX803UL *NP-PX750U / NP-PX700W / NP-PX800X* NP-PX651X / NP-PX581X *NP-PX620X / NP-PX550W* NP-PX602UL / NP-PX602WL NP-U321H *NP-U300X / NP-U250X / NP-U310W / NP-U260W* NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X / NP-UM352W *NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W* NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H *NP-V311W / NP-V281W / NP-V311X* *NP-V300X / NP-V260X / NP-V300W / NP-V260W / NP-V230X / NP-V260 / NP-V230 / NP-V260R* *NP-VE281X / NP-VE280X / NP-VE281 / NP-VE280*
9.0	January 6, 2016	Added the Copyright on all pages.	5.0	Same as Revision 8.0.

8.0	December 21, 2015	Added the supported models.	4.0	NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X NP-PH1202HL / NP-PH1002HL NP-PX651X / NP-PX581W NP-PX602UL / NP-PX602WL NP-PX803UL NP-U321H NP-UM301X / NP-UM301W / NP-UM361X / NP-UM351W / NP-UM352W NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H
7.0	December 11, 2015	Added the supported models.	4.0	NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS NP-P502HL / NP-P502WL NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X NP-PH1202HL / NP-PH1002HL NP-PX651X / NP-PX581W NP-PX602UL / NP-PX602WL NP-PX803UL NP-U321H NP-UM301X / NP-UM301W / NP-UM361X / NP-UM351W / NP-UM352W NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H
6.0	September 28, 2015	Added the supported models.	3.0	NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS NP-P502HL / NP-P502WL NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X NP-PH1202HL / NP-PH1002HL NP-PX651X / NP-PX581W NP-PX602UL / NP-PX602WL NP-U321H NP-UM301X / NP-UM301W / NP-UM361X / NP-UM351W / NP-UM352W NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H
5.0	August 7, 2015	Added the supported models.	3.0	NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X NP-PH1202HL / NP-PH1002HL NP-PX651X / NP-PX581W NP-PX602UL / NP-PX602WL NP-U321H NP-UM301X / NP-UM301W / NP-UM361X / NP-UM351W / NP-UM352W NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H
4.0	August 3, 2015	Added the supported models. Corrected [3. Supported Command List] sheet. (NP-U321H : "024. ONSCREEN MUTE ON" command is not supported.)	3.0	NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X NP-PH1202HL / NP-PH1002HL NP-PX651X / NP-PX581W NP-PX602UL / NP-PX602WL NP-U321H NP-UM301X / NP-UM301W / NP-UM361X / NP-UM351W / NP-UM352W NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H
3.0	June 16, 2015	Added the supported command.	3.0	Same as Revision 2.0.

| 2.0 | May 29, 2015 | Changed the supported models. Added the supported commands. | 2.0 | NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X
NP-PH1202HL / NP-PH1002HL
NP-PX651X / NP-PX581W
NP-PX602UL / NP-PX602WL
NP-U321H
NP-UM301X / NP-UM301W / NP-UM361X / NP-UM351W / NP-UM352W |
| 1.0 | August 22, 2014 | First version | 1.0 | NP4100 / NP4100W
NP-M420X / NP-M420XV / NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS
NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W
NP-ME360X / NP-ME310X / NP-ME270X
NP-P501X / NP-P451X / NP-P451W / NP-P401W / NP-PE501X
NP-P420X / NP-P350X / NP-P350W
NP-PE401H
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X / NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X
NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U
NP-PH1400U
NP-PH1000U
NP-PX750U / NP-PX700W / NP-PX800X
NP-PX620X / NP-PX550W
NP-U300X / NP-U250X / NP-U310W / NP-U260W
NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W
NP-V311W / NP-V281W / NP-V311X
NP-V300X / NP-V260X / NP-V300W / NP-V260W / NP-V230X / NP-V260 / NP-V230 / NP-V260R
NP-VE281X / NP-VE280X / NP-VE281 / NP-VE280 |

Contents

1. Connecting an External Device

<Conventions>
  : Supported
  : Not supported

Projector

Model name	Serial port					LAN port	Wireless LAN unit
	4800bps	9600bps	19200bps	38400bps	115200bps		
NP4100 / NP4100W							
NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS							
NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS							
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS							
NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W							
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X							
NP-ME360X / NP-ME310X / NP-ME270X							
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X / NP-P603X / NP-P523X / NP-PE523X							
NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W							
NP-P501X / NP-P451X / NP-P451W / NP-P401W							
NP-P420X / NP-P350X / NP-P350W							
NP-PE501X							
NP-PE401H							
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X							
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X							
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X							
NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U							
NP-PH1400U							
NP-PH1202HL / NP-PH1002HL							
NP-PH1000U							
NP-PX1004UL NP-PX803UL							
NP-PX750U / NP-PX700W / NP-PX800X							
NP-PX651X / NP-PX581W							
NP-PX620X / NP-PX550W							
NP-PX602UL / NP-PX602WL							
NP-U321H							
NP-U300X / NP-U250X / NP-U310W / NP-U260W							
NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X NP-UM352W							
NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W							
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H							
NP-V311W / NP-V281W / NP-V311X							
NP-V300X / NP-V260X / NP-V300W / NP-V260W							
NP-V230X / NP-V260 / NP-V230 / NP-V260R							
NP-VE303X / NP-VE303							
NP-VE281X / NP-VE280X / NP-VE281 / NP-VE280							

2. Standby Mode setting for receiving commands

The Standby Mode setting that can receive commands is different depending on the model.
Please see the table below.

Target command: "015. POWER ON"

Projector

Model name	Setting of the Standby Mode	
	When connected using a serial cable	When connected using via a wired LAN
NP4100 / NP4100W	Normal	Normal
NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS	NORMAL, POWER-SAVING	NORMAL
NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W	NORMAL, POWER-SAVING	NORMAL
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-ME360X / NP-ME310X / NP-ME270X	NORMAL, POWER-SAVING	
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X / NP-P603X / NP-P523X / NP-PE523X	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-P501X / NP-P451X / NP-P451W / NP-P401W	NORMAL, POWER-SAVING, NETWORK STANDBY	NORMAL, NETWORK STANDBY
NP-P420X / NP-P350X / NP-P350W	NORMAL, POWER-SAVING	NORMAL
NP-PE501X	NORMAL, POWER-SAVING	
NP-PE401H	NORMAL	NORMAL
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X	NORMAL, SLEEP	NORMAL, SLEEP
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X	NORMAL, HTBaseT STANDBY	HTBaseT STANDBY
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U	NORMAL, POWER-SAVING, NETWORK STANDBY	NORMAL, NETWORK STANDBY
NP-PH1400U	NORMAL, POWER-SAVING, NETWORK STANDBY	NORMAL, NETWORK STANDBY
NP-PH1202HL / NP-PH1002HL	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-PH1000U	NORMAL, POWER-SAVING, NETWORK STANDBY	NORMAL, NETWORK STANDBY
NP-PX1004UL NP-PX803UL	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-PX750U / NP-PX700W / NP-PX800X	NORMAL, POWER-SAVING, NETWORK STANDBY	NORMAL, NETWORK STANDBY
NP-PX651X / NP-PX581W	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-PX620X / NP-PX550W	Normal	Normal
NP-PX602UL / NP-PX602WL	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-U321H	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-U300X / NP-U250X / NP-U310W / NP-U260W	Normal	Normal
NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X NP-UM352W	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W	NORMAL, POWER-SAVING	NORMAL
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H	NORMAL, NETWORK STANDBY	NETWORK STANDBY
NP-V311W / NP-V281W / NP-V311X	NORMAL, POWER-SAVING	NORMAL
NP-V300X / NP-V260X / NP-V300W / NP-V260W	NORMAL, POWER-SAVING	NORMAL
NP-V230X / NP-V260 / NP-V230 / NP-V260R	NORMAL, POWER-SAVING	
NP-VE281X / NP-VE280X / NP-VE281 / NP-VE280	NORMAL, POWER-SAVING	

3. Supported Command List

<Conventions>
   : Supported
   : Not supported

Projector

Command	NP4100 NP4100W (firmware version 1.02 or later)	NP-M420X NP-M350X NP-M300X NP-M260X NP-M230X NP-M300W NP-M260W	NP-M420XV	NP-M403X NP-M363X NP-M323X NP-M283X NP-M403W NP-M363W NP-M323W NP-M333XS NP-M353WS NP-M303WS NP-M403H NP-M323H NP-M353HS NP-M323HS NP-M303HS	NP-M402W NP-M362W NP-M402X NP-M362X NP-M322X NP-M282X NP-M322W NP-M352WS NP-M302WS NP-M332XS	NP-M361X NP-M311X NP-M271X NP-M311W NP-M271W	NP-M350XS NP-M300XS NP-M260XS NP-M300WS NP-M260WS	NP-ME401W NP-ME361W NP-ME331W NP-ME301W NP-ME401X NP-ME361X NP-ME331X NP-ME301X
009. ERROR STATUS REQUEST								
015. POWER ON								
016. POWER OFF								
018. INPUT SW CHANGE								
020. PICTURE MUTE ON								
021. PICTURE MUTE OFF								
022. SOUND MUTE ON								
023. SOUND MUTE OFF								
024. ONSCREEN MUTE ON								
025. ONSCREEN MUTE OFF								
030-1. PICTURE ADJUST								
030-2. VOLUME ADJUST								
030-12. ASPECT ADJUST								
030-15. OTHER ADJUST								
037. INFORMATION REQUEST								
037-3. FILTER USAGE INFORMATION REQUEST								
037-4. LAMP INFORMATION REQUEST 3								
037-6. CARBON SAVINGS INFORMATION REQUEST								
050. REMOTE KEY CODE								
051. LENS MUTE ON (SHUTTER CLOSE)								
052. LENS MUTE OFF (SHUTTER OPEN)								
053. LENS CONTROL								
053-1. LENS CONTROL REQUEST								
053-2. LENS CONTROL 2								
053-3. LENS MEMORY CONTROL								
053-4. REFERENCE LENS MEMORY CONTROL								
053-5. LENS MEMORY OPTION REQUEST								
053-6. LENS MEMORY OPTION SET								
053-7. LENS INFORMATION REQUEST								
053-10. LENS PROFILE SET								
053-11. LENS PROFILE REQUEST								
060-1. GAIN PARAMETER REQUEST 3								
078-1. SETTING REQUEST								
078-2. RUNNING STATUS REQUEST								
078-3. INPUT STATUS REQUEST								
078-4. MUTE STATUS REQUEST								
078-5. MODEL NAME REQUEST								
078-6. COVER STATUS REQUEST								
079. FREEZE CONTROL								
084. INFORMATION STRING REQUEST								
097-8. ECO MODE REQUEST								
097-45. LAN PROJECTOR NAME REQUEST								
097-155. LAN MAC ADDRESS STATUS REQUEST2								
097-198. PIP/PICTURE BY PICTURE REQUEST								
097-243-1. EDGE BLENDING MODE REQUEST								
098-8. ECO MODE SET								
098-45. LAN PROJECTOR NAME SET								
098-198. PIP/PICTURE BY PICTURE SET								
098-243-1. EDGE BLENDING MODE SET								
305-1. BASE MODEL TYPE REQUEST								
305-2. SERIAL NUMBER REQUEST								
305-3. BASIC INFORMATION REQUEST								
319-10. AUDIO SELECT SET								

3. Supported Command List

<Conventions>
: Supported
: Not supported

Projector

Command	NP-ME360X NP-ME310X NP-ME270X	NP-P554U NP-P474U NP-P554W NP-P474W NP-P604X NP-P603X NP-P523X NP-PE523X	NP-P502HL NP-P502WL NP-P502H NP-P502W NP-P452H NP-P452W	NP-P501X NP-P451X NP-P451W NP-P401W	NP-P420X NP-P350X NP-P350W	NP-PE501X	NP-PE401H	NP-PA803UL NP-PA653UL NP-PA803U NP-PA723U NP-PA653U NP-PA853W NP-PA703W NP-PA903X
009. ERROR STATUS REQUEST								
015. POWER ON								
016. POWER OFF								
018. INPUT SW CHANGE								
020. PICTURE MUTE ON								
021. PICTURE MUTE OFF								
022. SOUND MUTE ON								
023. SOUND MUTE OFF								
024. ONSCREEN MUTE ON								
025. ONSCREEN MUTE OFF								
030-1. PICTURE ADJUST								
030-2. VOLUME ADJUST								
030-12. ASPECT ADJUST								
030-15. OTHER ADJUST								
037. INFORMATION REQUEST								
037-3. FILTER USAGE INFORMATION REQUEST								
037-4. LAMP INFORMATION REQUEST 3								
037-6. CARBON SAVINGS INFORMATION REQUEST								
050. REMOTE KEY CODE								
051. LENS MUTE ON (SHUTTER CLOSE)								
052. LENS MUTE OFF (SHUTTER OPEN)								
053. LENS CONTROL								
053-1. LENS CONTROL REQUEST								
053-2. LENS CONTROL 2								
053-3. LENS MEMORY CONTROL								
053-4. REFERENCE LENS MEMORY CONTROL								
053-5. LENS MEMORY OPTION REQUEST								
053-6. LENS MEMORY OPTION SET								
053-7. LENS INFORMATION REQUEST								
053-10. LENS PROFILE SET								
053-11. LENS PROFILE REQUEST								
060-1. GAIN PARAMETER REQUEST 3								
078-1. SETTING REQUEST								
078-2. RUNNING STATUS REQUEST								
078-3. INPUT STATUS REQUEST								
078-4. MUTE STATUS REQUEST								
078-5. MODEL NAME REQUEST								
078-6. COVER STATUS REQUEST								
079. FREEZE CONTROL								
084. INFORMATION STRING REQUEST								
097-8. ECO MODE REQUEST								
097-45. LAN PROJECTOR NAME REQUEST								
097-155. LAN MAC ADDRESS STATUS REQUEST2								
097-198. PIP/PICTURE BY PICTURE REQUEST								
097-243-1. EDGE BLENDING MODE REQUEST								
098-8. ECO MODE SET								
098-45. LAN PROJECTOR NAME SET								
098-198. PIP/PICTURE BY PICTURE SET								
098-243-1. EDGE BLENDING MODE SET								
305-1. BASE MODEL TYPE REQUEST								
305-2. SERIAL NUMBER REQUEST								
305-3. BASIC INFORMATION REQUEST								
319-10. AUDIO SELECT SET								

3. Supported Command List

<Conventions>
　 : Supported
　 : Not supported

Projector

Command	NP-PA622U NP-PA522U NP-PA672W NP-PA572W NP-PA722X NP-PA622X NP-PA621U NP-PA521U NP-PA671W NP-PA571W NP-PA721X NP-PA621X	NP-PA600X NP-PA500X NP-PA550W NP-PA500U	NP-PH1400U	NP-PH1202HL NP-PH1002HL	NP-PH1000U	NP-PX1004UL NP-PX803UL	NP-PX750U NP-PX700W NP-PX800X	NP-PX651X NP-PX581W
009. ERROR STATUS REQUEST								
015. POWER ON								
016. POWER OFF								
018. INPUT SW CHANGE								
020. PICTURE MUTE ON								
021. PICTURE MUTE OFF								
022. SOUND MUTE ON								
023. SOUND MUTE OFF								
024. ONSCREEN MUTE ON								
025. ONSCREEN MUTE OFF								
030-1. PICTURE ADJUST								
030-2. VOLUME ADJUST								
030-12. ASPECT ADJUST								
030-15. OTHER ADJUST								
037. INFORMATION REQUEST								
037-3. FILTER USAGE INFORMATION REQUEST								
037-4. LAMP INFORMATION REQUEST 3								
037-6. CARBON SAVINGS INFORMATION REQUEST								
050. REMOTE KEY CODE								
051. LENS MUTE ON (SHUTTER CLOSE)								
052. LENS MUTE OFF (SHUTTER OPEN)								
053. LENS CONTROL								
053-1. LENS CONTROL REQUEST								
053-2. LENS CONTROL 2								
053-3. LENS MEMORY CONTROL								
053-4. REFERENCE LENS MEMORY CONTROL								
053-5. LENS MEMORY OPTION REQUEST								
053-6. LENS MEMORY OPTION SET								
053-7. LENS INFORMATION REQUEST								
053-10. LENS PROFILE SET								
053-11. LENS PROFILE REQUEST								
060-1. GAIN PARAMETER REQUEST 3								
078-1. SETTING REQUEST								
078-2. RUNNING STATUS REQUEST								
078-3. INPUT STATUS REQUEST								
078-4. MUTE STATUS REQUEST								
078-5. MODEL NAME REQUEST								
078-6. COVER STATUS REQUEST								
079. FREEZE CONTROL								
084. INFORMATION STRING REQUEST								
097-8. ECO MODE REQUEST								
097-45. LAN PROJECTOR NAME REQUEST								
097-155. LAN MAC ADDRESS STATUS REQUEST2								
097-198. PIP/PICTURE BY PICTURE REQUEST								
097-243-1. EDGE BLENDING MODE REQUEST								
098-8. ECO MODE SET								
098-45. LAN PROJECTOR NAME SET								
098-198. PIP/PICTURE BY PICTURE SET								
098-243-1. EDGE BLENDING MODE SET								
305-1. BASE MODEL TYPE REQUEST								
305-2. SERIAL NUMBER REQUEST								
305-3. BASIC INFORMATION REQUEST								
319-10. AUDIO SELECT SET								

3. Supported Command List

<Conventions>
: Supported
: Not supported

Projector

Command	NP-PX620X NP-PX550W	NP-PX602UL NP-PX602WL	NP-U321H	NP-U300X NP-U250X NP-U310W NP-U260W	NP-UM351W NP-UM301W NP-UM361X NP-UM301X NP-UM352W	NP-UM330X NP-UM280X NP-UM330W NP-UM280W	NP-V332X NP-V332W NP-V302X NP-V302W NP-V302H	NP-V311W NP-V281W NP-V311X
009. ERROR STATUS REQUEST								
015. POWER ON								
016. POWER OFF								
018. INPUT SW CHANGE								
020. PICTURE MUTE ON								
021. PICTURE MUTE OFF								
022. SOUND MUTE ON								
023. SOUND MUTE OFF								
024. ONSCREEN MUTE ON								
025. ONSCREEN MUTE OFF								
030-1. PICTURE ADJUST								
030-2. VOLUME ADJUST								
030-12. ASPECT ADJUST								
030-15. OTHER ADJUST								
037. INFORMATION REQUEST								
037-3. FILTER USAGE INFORMATION REQUEST								
037-4. LAMP INFORMATION REQUEST 3								
037-6. CARBON SAVINGS INFORMATION REQUEST								
050. REMOTE KEY CODE								
051. LENS MUTE ON (SHUTTER CLOSE)								
052. LENS MUTE OFF (SHUTTER OPEN)								
053. LENS CONTROL								
053-1. LENS CONTROL REQUEST								
053-2. LENS CONTROL 2								
053-3. LENS MEMORY CONTROL								
053-4. REFERENCE LENS MEMORY CONTROL								
053-5. LENS MEMORY OPTION REQUEST								
053-6. LENS MEMORY OPTION SET								
053-7. LENS INFORMATION REQUEST								
053-10. LENS PROFILE SET								
053-11. LENS PROFILE REQUEST								
060-1. GAIN PARAMETER REQUEST 3								
078-1. SETTING REQUEST								
078-2. RUNNING STATUS REQUEST								
078-3. INPUT STATUS REQUEST								
078-4. MUTE STATUS REQUEST								
078-5. MODEL NAME REQUEST								
078-6. COVER STATUS REQUEST								
079. FREEZE CONTROL								
084. INFORMATION STRING REQUEST								
097-8. ECO MODE REQUEST								
097-45. LAN PROJECTOR NAME REQUEST								
097-155. LAN MAC ADDRESS STATUS REQUEST2								
097-198. PIP/PICTURE BY PICTURE REQUEST								
097-243-1. EDGE BLENDING MODE REQUEST								
098-8. ECO MODE SET								
098-45. LAN PROJECTOR NAME SET								
098-198. PIP/PICTURE BY PICTURE SET								
098-243-1. EDGE BLENDING MODE SET								
305-1. BASE MODEL TYPE REQUEST								
305-2. SERIAL NUMBER REQUEST								
305-3. BASIC INFORMATION REQUEST								
319-10. AUDIO SELECT SET								

3. Supported Command List

<Conventions>
: Supported
: Not supported

Projector

Command	NP-V300X NP-V260X NP-V300W NP-V260W	NP-V230X NP-V260 NP-V230 NP-V260R	NP-VE303X NP-VE303	NP-VE281X NP-VE280X NP-VE281 NP-VE280
009. ERROR STATUS REQUEST				
015. POWER ON				
016. POWER OFF				
018. INPUT SW CHANGE				
020. PICTURE MUTE ON				
021. PICTURE MUTE OFF				
022. SOUND MUTE ON				
023. SOUND MUTE OFF				
024. ONSCREEN MUTE ON				
025. ONSCREEN MUTE OFF				
030-1. PICTURE ADJUST				
030-2. VOLUME ADJUST				
030-12. ASPECT ADJUST				
030-15. OTHER ADJUST				
037. INFORMATION REQUEST				
037-3. FILTER USAGE INFORMATION REQUEST				
037-4. LAMP INFORMATION REQUEST 3				
037-6. CARBON SAVINGS INFORMATION REQUEST				
050. REMOTE KEY CODE				
051. LENS MUTE ON (SHUTTER CLOSE)				
052. LENS MUTE OFF (SHUTTER OPEN)				
053. LENS CONTROL				
053-1. LENS CONTROL REQUEST				
053-2. LENS CONTROL 2				
053-3. LENS MEMORY CONTROL				
053-4. REFERENCE LENS MEMORY CONTROL				
053-5. LENS MEMORY OPTION REQUEST				
053-6. LENS MEMORY OPTION SET				
053-7. LENS INFORMATION REQUEST				
053-10. LENS PROFILE SET				
053-11. LENS PROFILE REQUEST				
060-1. GAIN PARAMETER REQUEST 3				
078-1. SETTING REQUEST				
078-2. RUNNING STATUS REQUEST				
078-3. INPUT STATUS REQUEST				
078-4. MUTE STATUS REQUEST				
078-5. MODEL NAME REQUEST				
078-6. COVER STATUS REQUEST				
079. FREEZE CONTROL				
084. INFORMATION STRING REQUEST				
097-8. ECO MODE REQUEST				
097-45. LAN PROJECTOR NAME REQUEST				
097-155. LAN MAC ADDRESS STATUS REQUEST2				
097-198. PIP/PICTURE BY PICTURE REQUEST				
097-243-1. EDGE BLENDING MODE REQUEST				
098-8. ECO MODE SET				
098-45. LAN PROJECTOR NAME SET				
098-198. PIP/PICTURE BY PICTURE SET				
098-243-1. EDGE BLENDING MODE SET				
305-1. BASE MODEL TYPE REQUEST				
305-2. SERIAL NUMBER REQUEST				
305-3. BASIC INFORMATION REQUEST				
319-10. AUDIO SELECT SET				

4. Supplementary Information by Command

018. INPUT SW CHANGE

Input terminal

Model name	COMPUTER	COMPUTER2	COMPUTER3	BNC	VIDEO
NP4100 / NP4100W	01h	02h	1Ah		06h
NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS	01h	02h			06h
NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS	01h				06h
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS	01h				06h
NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W	01h	02h			06h
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X	01h				06h
NP-ME360X / NP-ME310X / NP-ME270X	01h	02h			06h
NP-P603X / NP-P523X / NP-PE523X	01h				06h
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X	01h				06h
NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W	01h				06h
NP-P501X / NP-P451X / NP-P451W / NP-P401W	01h				06h
NP-P420X / NP-P350X / NP-P350W	01h	02h			06h
NP-PE501X	01h				06h
NP-PE401H	01h				06h
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X	01h				
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X	01h			02h	
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X	01h			02h	
NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U	01h	02h	03h		06h
NP-PH1400U	01h	02h	03h		06h
NP-PH1202HL / NP-PH1002HL	01h			02	
NP-PH1000U	01h	02h	03h		06h
NP-PX1004UL NP-PX803UL	01h			02	
NP-PX750U / NP-PX700W / NP-PX800X	01h	02h	03h		06h
NP-PX651X / NP-PX581W	01h	02h	9Ch		06h
NP-PX620X / NP-PX550W	01h	02h	1Ah		06h
NP-PX602UL / NP-PX602WL	01h			02	
NP-U321H	01h				06h
NP-U300X / NP-U250X / NP-U310W / NP-U260W	01h	02h			06h
NP-UM352W	01h				06h
NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X	01h				06h
NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W	01h				06h
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H	01h				06h
NP-V311W / NP-V281W / NP-V311X	01h	02h			06h
NP-V300X / NP-V260X / NP-V300W / NP-V260W	01h	02h			06h
NP-V230X / NP-V260 / NP-V230	01h				06h
NP-V260R	01h				06h
NP-VE303X / NP-VE303	01h				06h
NP-VE281X / NP-VE281	01h				06h
NP-VE280X / NP-VE280	01h				06h

4. Supplementary Information by Command

018. INPUT SW CHANGE

Input terminal

Model name	BNC(CV)	S-VIDEO	BNC(Y/C)	Component	HDMI
NP4100 / NP4100W		0Bh		10h	
NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS		0Bh			1Ah
NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS					A1h
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS					A1h
NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W		0Bh			1Ah
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X					A1h
NP-ME360X / NP-ME310X / NP-ME270X					
NP-P603X / NP-P523X / NP-PE523X					A1h
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X					A1h
NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W					A1h
NP-P501X / NP-P451X / NP-P451W / NP-P401W		0Bh			1Ah
NP-P420X / NP-P350X / NP-P350W		0Bh			1Ah
NP-PE501X		0Bh			1Ah
NP-PE401H		0Bh			1Ah
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X					A1h
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X	06h		0Bh		A1h
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X	06h		0Bh		A1h
NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U		0Bh			1Ah
NP-PH1400U		0Bh			1Ah
NP-PH1202HL / NP-PH1002HL	06		0Bh		A1h
NP-PH1000U		0Bh			1Ah
NP-PX1004UL NP-PX803UL	06		0Bh		A1h
NP-PX750U / NP-PX700W / NP-PX800X		0Bh			1Ah
NP-PX651X / NP-PX581W		0Bh		10h	A1h
NP-PX620X / NP-PX550W		0Bh		10h	
NP-PX602UL / NP-PX602WL	06		0Bh		A1h
NP-U321H					A1h
NP-U300X / NP-U250X / NP-U310W / NP-U260W		0Bh			1Ah
NP-UM352W					A1h
NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X					A1h
NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W		0Bh			1Ah
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H					A1h
NP-V311W / NP-V281W / NP-V311X		0Bh			1Ah
NP-V300X / NP-V260X / NP-V300W / NP-V260W		0Bh			1Ah
NP-V230X / NP-V260 / NP-V230		0Bh			
NP-V260R		0Bh			1Ah
NP-VE303X / NP-VE303					A1h
NP-VE281X / NP-VE281					1Ah
NP-VE280X / NP-VE280					

4. Supplementary Information by Command

018. INPUT SW CHANGE

Input terminal

Input Terminal	Input terminal				
Model name	HDMI2	DisplayPort	SLOT	STEREO DVI	VIEWER
NP4100 / NP4100W					
NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS					1Fh
NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS	A2h				
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS	A2h				
NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W					1Fh
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X	A2h				
NP-ME360X / NP-ME310X / NP-ME270X					
NP-P603X / NP-P523X / NP-PE523X	A2h				
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X	A2h				
NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W	A2h				
NP-P501X / NP-P451X / NP-P451W / NP-P401W	1Bh				1Fh
NP-P420X / NP-P350X / NP-P350W					1Fh
NP-PE501X	1Bh				
NP-PE401H	1Bh				
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X	A2h	A6h			
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X	A2h	A6h			
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X	A2h	A6h			
NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U		1Bh			1Fh
NP-PH1400U		1Bh	1Ch	2Eh	1Fh
NP-PH1202HL / NP-PH1002HL		A6h	ABh		
NP-PH1000U		1Bh	1Ch		1Fh
NP-PX1004UL NP-PX803UL		A6h	ABh		
NP-PX750U / NP-PX700W / NP-PX800X		1Bh	1Ch		1Fh
NP-PX651X / NP-PX581W					
NP-PX620X / NP-PX550W					
NP-PX602UL / NP-PX602WL		A6h	ABh		
NP-U321H	A2h				
NP-U300X / NP-U250X / NP-U310W / NP-U260W					
NP-UM352W	A2h				
NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X	A2h				
NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W	1Bh				1Fh
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H	A2h				
NP-V311W / NP-V281X / NP-V311X					
NP-V300X / NP-V260X / NP-V300W / NP-V260W					
NP-V230X / NP-V260 / NP-V230					
NP-V260R					
NP-VE303X / NP-VE303					
NP-VE281X / NP-VE281					
NP-VE280X / NP-VE280					

4. Supplementary Information by Command

018. INPUT SW CHANGE

Input terminal

	Input Terminal				
Model name	USB-A	NETWORK	LAN	ETHERNET	HDBaseT
NP4100 / NP4100W					
NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS		20h			
NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS	1Fh		20h		
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS	1Fh		20h		
NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W		20h			
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X	1Fh		20h		
NP-ME360X / NP-ME310X / NP-ME270X					
NP-P603X / NP-P523X / NP-PE523X	1Fh				
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X	1Fh				BFh
NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W					BFh
NP-P501X / NP-P451X / NP-P451W / NP-P401W		20h			
NP-P420X / NP-P350X / NP-P350W		20h			
NP-PE501X					
NP-PE401H					
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X					BFh
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X					20h
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X	1Fh			20h	
NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U		20h			
NP-PH1400U		20h			
NP-PH1202HL / NP-PH1002HL					20h
NP-PH1000U		20h			
NP-PX1004UL NP-PX803UL					20h
NP-PX750U / NP-PX700W / NP-PX800X		20h			
NP-PX651X / NP-PX581W					20h
NP-PX620X / NP-PX550W					
NP-PX602UL / NP-PX602WL					20h
NP-U321H					
NP-U300X / NP-U250X / NP-U310W / NP-U260W					
NP-UM352W					
NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X	1Fh		20h		
NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W		20h			
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H					
NP-V311W / NP-V281W / NP-V311X					
NP-V300X / NP-V260X / NP-V300W / NP-V260W					
NP-V230X / NP-V260 / NP-V230					
NP-V260R					
NP-VE303X / NP-VE303					
NP-VE281X / NP-VE281					
NP-VE280X / NP-VE280					

4. Supplementary Information by Command

018. INPUT SW CHANGE

Input terminal

	Input Terminal		
Model name	USB DISPLAY	USB-B	APPS
NP4100 / NP4100W			
NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS	22h		
NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS		22h	
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS		22h	
NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W	22h		
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X		22h	
NP-ME360X / NP-ME310X / NP-ME270X			
NP-P603X / NP-P523X / NP-PE523X			
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X			
NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W			23h
NP-P501X / NP-P451X / NP-P451W / NP-P401W	22h		
NP-P420X / NP-P350X / NP-P350W	22h		
NP-PE501X	22h		
NP-PE401H			
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X			
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X			
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X			
NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U			
NP-PH1400U			
NP-PH1202HL / NP-PH1002HL			
NP-PH1000U			
NP-PX1004UL NP-PX803UL			
NP-PX750U / NP-PX700W / NP-PX800X			
NP-PX651X / NP-PX581W			
NP-PX620X / NP-PX550W			
NP-PX602UL / NP-PX602WL			
NP-U321H			
NP-U300X / NP-U250X / NP-U310W / NP-U260W			
NP-UM352W		22h	23h
NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X		22h	
NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W	22h		
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H			
NP-V311W / NP-V281W / NP-V311X			
NP-V300X / NP-V260X / NP-V300W / NP-V260W			
NP-V230X / NP-V260 / NP-V230			
NP-V260R			
NP-VE303X / NP-VE303			
NP-VE281X / NP-VE281			
NP-VE280X / NP-VE280			

030-12. ASPECT ADJUST

Aspect

Model name	DATA01 00h	01h	02h		03h	04h	05h	DATA01 06h	
NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS	AUTO	WIDE ZOOM (XGA Model)	16:9		NATIVE	4:3	15:9	16:10	
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS	AUTO	WIDE ZOOM (XGA Model)	16:9		NATIVE	4:3	15:9	16:10	
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X	AUTO	WIDE ZOOM (XGA Model)	CHINEMA	16:9	NATIVE	4:3	15:9	16:10	
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X / NP-P603X / NP-P523X / NP-PE523X	AUTO	WIDE ZOOM (XGA Model)	CHINEMA	16:9	NATIVE	4:3	15:9	16:10	
NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W	AUTO		16:9		NATIVE	4:3	15:9	16:10	
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X	4:3 (WINDOWS)	LETTER BOX	WIDE SCREEN	16:9				FULL	
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X	4:3 (WINDOWS)	LETTER BOX	WIDE SCREEN	16:9				ZOOM	FULL
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X	4:3 (WINDOWS)	LETTER BOX	WIDE SCREEN	16:9				ZOOM	FULL
NP-PH1202HL / NP-PH1002HL	4:3 (WINDOWS)	LETTER BOX	WIDE SCREEN	16:9				ZOOM	FULL
NP-PX1004UL NP-PX803UL	4:3 (WINDOWS)	LETTER BOX	WIDE SCREEN	16:9				ZOOM	FULL
NP-PX651X / NP-PX581W	4:3		16:9		1.85:1	2.35:1	Auto	16:10	
NP-PX602UL / NP-PX602WL	4:3 (WINDOWS)	LETTER BOX	WIDE SCREEN	16:9				ZOOM	FULL
NP-U321H	AUTO		16:9		NATIVE	4:3	15:9	16:10	
NP-UM301X / NP-UM361X NP-UM301W / NP-UM351W / NP-UM352W	AUTO	WIDE ZOOM (XGA Model)	CHINEMA	16:9	NATIVE	4:3	15:9	16:10	
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H	AUTO		16:9		NATIVE	4:3	15:9	16:10	
NP-VE303X / NP-VE303	AUTO		16:9		NATIVE	4:3	15:9	16:10	

4. Supplementary Information by Command

030-12. ASPECT ADJUST

Aspect

Model name	DATA01							
	07h	08h	0Bh	0Ch	0Dh	0Eh	0Fh	10h
NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS	LETTER BOX (WXGA Model)							
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS	LETTER BOX (WXGA Model)							
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X	LETTERBOX (WXGA Model)							
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X / NP-P603X / NP-P523X / NP-PE523X	LETTERBOX (WXGA Model)							
NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W	LETTER BOX							
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X	ZOOM		5:4	16:10	15:9	NATIVE	AUTO	NORMAL
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X			5:4	16:10	15:9	NATIVE	AUTO	
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X			5:4	16:10	15:9	NATIVE	AUTO	
NP-PH1202HL / NP-PH1002HL			5:4	16:10	15:9	NATIVE	AUTO	
NP-PX1004UL NP-PX803UL			5:4	16:10	15:9	NATIVE	AUTO	
NP-PX651X / NP-PX581W			5:4	16:10		Native	Auto	
NP-PX602UL / NP-PX602WL			5:4	16:10	15:9	NATIVE	AUTO	
NP-U321H		5:4						
NP-UM301X / NP-UM361X NP-UM301W / NP-UM351W / NP-UM352W	LETTERBOX (WXGA Model)							
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H		5:4						
NP-VE303X / NP-VE303		5:4						

4. Supplementary Information by Command

097-8. ECO MODE REQUEST
098-8. ECO MODE SET

Eco mode

	Model name	DATA01				
		00h	01h	02h	03h	04h
*	NP4100 / NP4100W	Normal	Eco			
	NP-M420X / NP-M420XV NP-M350X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M300WS / NP-M260WS	OFF	AUTO ECO	ECO1		
	NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS	OFF	AUTO ECO	NORMAL	ECO	
	NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS	OFF	AUTO ECO	NORMAL	ECO	
	NP-M300X / NP-M260X / NP-M260XS	OFF	AUTO ECO	ECO1	ECO2	
	NP-M361X / NP-M311X / NP-M271X / NP-M311W / NP-M271W	OFF	AUTO ECO	NORMAL	ECO	
	NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X	OFF	AUTO ECO	NORMAL	ECO	
	NP-ME360X / NP-ME310X / NP-ME270X	OFF	ON			
	NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X / NP-P603X / NP-P523X / NP-PE523X	OFF	AUTO ECO	NORMAL	ECO	
	NP-P502HL / NP-P502WL	OFF	ECO1	ECO2		
	NP-P502H / NP-P502W / NP-P452H / NP-P452W	OFF	AUTO ECO	NORMAL	ECO	
	NP-P501X / NP-P451X / NP-P451W / NP-P401W / NP-PE501X	OFF	AUTO ECO	NORMAL	ECO	
	NP-P420X / NP-P350X / NP-P350W	OFF	AUTO ECO	ECO1		
	NP-PE401H	OFF	ECO			
	NP-PA803UL / NP-PA653UL	NORMAL		ECO1	ECO2	LONG LIFE
	NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X	OFF	ON			
	NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X	OFF	ON			
	NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X	OFF	ON			
	NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U	OFF	ON			
	NP-PH1400U	OFF	ON			
	NP-PH1202HL / NP-PH1002HL	NORMAL		ECO1	ECO2	LONG LIFE
	NP-PH1000U	OFF	ON			
	NP-PX1004UL NP-PX803UL	NORMAL		ECO1	ECO2	
	NP-PX750U / NP-PX700W / NP-PX800X	OFF	ON			
	NP-PX651X / NP-PX581W	NORMAL	ECO			
*	NP-PX620X / NP-PX550W	Normal	Eco			
	NP-PX602UL / NP-PX602WL	NORMAL		ECO1	ECO2	
	NP-U321H	OFF	ECO			
	NP-U300X / NP-U250X / NP-U310W / NP-U260W	OFF	ON			
	NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X NP-UM352W	OFF	AUTO ECO	NORMAL	ECO	
	NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W	OFF	AUTO ECO	NORMAL	ECO	
	NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H	OFF	ECO			
	NP-V311W / NP-V281W / NP-V311X	OFF	ON			
	NP-V300X / NP-V260X / NP-V230X / NP-V260 / NP-V230 / NP-V260R NP-V300W / NP-V260W	OFF	ON			
	NP-VE303X / NP-VE303	OFF	ECO			
	NP-VE281X / NP-VE280X / NP-VE281 / NP-VE280	OFF	ON			

* The following models use a different menu item name.

NP4100 / NP4100W : Lamp Mode

NP-PX620X / NP-PX550W : Lamp Mode

4. Supplementary Information by Command

078-1. SETTING REQUEST
305-1. BASE MODEL TYPE REQUEST

The asterisked models exclusively support "305-1. BASE MODEL TYPE REQUEST",
i.e. don't support "078-1. SETTING REQUEST".

Base model type

	Model name	078-1. SETTING REQUEST			
		DATA01	DATA02	DATA03	
		305-1. BASE MODEL TYPE REQUEST			
		DATA01	DATA02	DATA12	DATA13
*	NP4100	03h	08h	00h	10h
*	NP4100W	03h	08h	01h	10h
*	NP-M230X	FFh	13h	09h	10h
*	NP-M260W	FFh	13h	06h	10h
*	NP-M260WS	FFh	13h	08h	10h
*	NP-M260X	FFh	13h	05h	10h
*	NP-M260XS	FFh	13h	07h	10h
*	NP-M271W	FFh	13h	04h	13h
*	NP-M271X	FFh	13h	02h	13h
	NP-M282X	FFh	22h	03h	10h
	NP-M283X	FFh	22h	03h	12h
*	NP-M300W	FFh	13h	02h	10h
*	NP-M300WS	FFh	13h	04h	10h
*	NP-M300X	FFh	13h	01h	10h
*	NP-M300XS	FFh	13h	03h	10h
	NP-M302WS	FFh	22h	09h	10h
	NP-M303HS	FFh	22H	04H	11H
	NP-M303WS	FFh	22h	09h	12h
*	NP-M311W	FFh	13h	01h	13h
*	NP-M311X	FFh	13h	03h	13h
	NP-M322H	FFh	22h	01h	11h
	NP-M322W	FFh	22h	06h	10h
	NP-M322X	FFh	22h	02h	10h
	NP-M323H	FFh	22h	0Bh	12h
	NP-M323HS	FFh	22H	03H	11H
	NP-M323W	FFh	22h	06h	12h
	NP-M323X	FFh	22h	02h	12h
	NP-M332XS	FFh	22h	07h	10h
	NP-M333XS	FFh	22h	07h	12h
*	NP-M350X	FFh	13h	00h	10h
*	NP-M350XS	FFh	13h	0Ch	10h
	NP-M352WS	FFh	22h	08h	10h
	NP-M353HS	FFh	22H	02H	11H
	NP-M353WS	FFh	22h	08h	12h
*	NP-M361X	FFh	13h	00h	13h
	NP-M362W	FFh	22h	05h	10h
	NP-M362X	FFh	22h	01h	10h
	NP-M363W	FFh	22h	05h	12h
	NP-M363X	FFh	22h	01h	12h
	NP-M402H	FFh	22h	00h	11h

4. Supplementary Information by Command

078-1. SETTING REQUEST
305-1. BASE MODEL TYPE REQUEST

The asterisked models exclusively support "305-1. BASE MODEL TYPE REQUEST",
i.e. don't support "078-1. SETTING REQUEST".

Base model type

	Model name	078-1. SETTING REQUEST		
		DATA01	DATA02	DATA03
		305-1. BASE MODEL TYPE REQUEST		
		DATA01	DATA02	DATA12	DATA13
	NP-M402W	FFh	22h	04h	10h
	NP-M402X	FFh	22h	00h	10h
	NP-M403H	FFh	22h	0Ah	12h
	NP-M403W	FFh	22h	04h	12h
	NP-M403X	FFh	22h	00h	12h
*	NP-M420X	FFh	13h	0Ah	10h
*	NP-M420XV	FFh	13h	0Bh	10h
*	NP-ME270X	FFh	10h	02h	13h
	NP-ME301W	FFh	20H	05H	14H
	NP-ME301X	FFh	20H	04H	14H
*	NP-ME310X	FFh	10h	01h	13h
	NP-ME331W	FFh	20H	03H	14H
	NP-ME331X	FFh	20H	02H	14H
*	NP-ME360X	FFh	10h	00h	13h
	NP-ME361W	FFh	20H	01H	14H
	NP-ME361X	FFh	20H	00H	14H
*	NP-P350W	FFh	13h	02h	11h
*	NP-P350X	FFh	13h	01h	11h
*	NP-P401W	FFh	20h	03h	10h
*	NP-P420X	FFh	13h	00h	11h
*	NP-P451W	FFh	20h	02h	10h
*	NP-P451X	FFh	20h	01h	10h
	NP-P452H	FFh	22H	02H	14H
	NP-P452W	FFh	22H	03H	14H
	NP-P474U	FFh	20H	0AH	15H
	NP-P474W	FFh	20H	01H	15H
*	NP-P501X	FFh	20h	00h	10h
	NP-P502H	FFh	22H	00H	14H
	NP-P502HL	FFh	22h	00h	13h
	NP-P502W	FFh	22H	01H	14H
	NP-P502WL	FFh	22h	01h	13h
	NP-P523X	FFh	20H	04H	15H
	NP-P554U	FFh	20H	09H	15H
	NP-P554W	FFh	20H	00H	15H
	NP-P603X	FFh	20H	03H	15H
	NP-P604X	FFh	20H	02H	15H
*	NP-PA500U	FFh	15h	03h	10h
*	NP-PA500X	FFh	15h	01h	10h
	NP-PA521U	FFh	21h	01h	10h
	NP-PA522U	FFh	21h	01h	11h

4. Supplementary Information by Command

078-1. SETTING REQUEST
305-1. BASE MODEL TYPE REQUEST

The asterisked models exclusively support "305-1. BASE MODEL TYPE REQUEST", i.e. don't support "078-1. SETTING REQUEST".

Base model type

	Model name	078-1. SETTING REQUEST			
		DATA01	DATA02	DATA03	
		305-1. BASE MODEL TYPE REQUEST			
		DATA01	DATA02	DATA12	DATA13
*	NP-PA550W	FFh	15h	02h	10h
	NP-PA571W	FFh	21h	03h	10h
	NP-PA572W	FFh	21h	03h	11h
*	NP-PA600X	FFh	15h	00h	10h
	NP-PA621U	FFh	21h	00h	10h
	NP-PA621X	FFh	21h	05h	10h
	NP-PA622U	FFh	21h	00h	11h
	NP-PA622X	FFh	21h	05h	11h
	NP-PA653U	FFh	2Eh	02h	10h
	NP-PA653UL	FFh	2Eh	00h	11h
	NP-PA671W	FFh	21h	02h	10h
	NP-PA672W	FFh	21h	02h	11h
	NP-PA703W	FFh	2Eh	05h	10h
	NP-PA721X	FFh	21h	04h	10h
	NP-PA722X	FFh	21h	04h	11h
	NP-PA723U	FFh	2Eh	01h	10h
	NP-PA803U	FFh	2Eh	00h	10h
	NP-PA803UL	FFh	2Eh	01h	11h
	NP-PA853W	FFh	2Eh	03h	10h
	NP-PA903X	FFh	2Eh	06h	10h
*	NP-PE401H	FFh	14h	00h	11h
*	NP-PE501X	FFh	20h	04h	10h
	NP-PE523X	FFh	20H	05H	15H
*	NP-PH1000U	FFh	19h	00h	10h
	NP-PH1002HL	FFh	26h	01h	10h
	NP-PH1202HL	FFh	26h	00h	10h
*	NP-PH1400U	FFh	19h	00h	11h
*	NP-PX550W	03h	08h	01h	11h
	NP-PX581W	FFh	27h	01h	10h
	NP-PX602UL	FFh	25h	00h	10h
	NP-PX602WL	FFh	25h	01h	10h
*	NP-PX620X	03h	08h	00h	11h
	NP-PX651X	FFh	27h	00h	10h
*	NP-PX700W	FFh	17h	01h	10h
*	NP-PX750U	FFh	17h	00h	10h
*	NP-PX800X	FFh	17h	02h	10h
	NP-PX803UL	FFh	2Ch	00h	10h
	NP-PX1004UL	FFh	2Fh	00h	10h
*	NP-U250X	FFh	14h	01h	10h
*	NP-U260W	FFh	14h	03h	10h
*	NP-U300X	FFh	14h	02h	10h
*	NP-U310W	FFh	14h	04h	10h
	NP-U321H	FFh	28h	00h	10h
*	NP-UM280W	FFh	13h	02h	12h
*	NP-UM280X	FFh	13h	01h	12h

4. Supplementary Information by Command

078-1. SETTING REQUEST
305-1. BASE MODEL TYPE REQUEST

The asterisked models exclusively support "305-1. BASE MODEL TYPE REQUEST",
i.e. don't support "078-1. SETTING REQUEST".

Base model type

Model name		078-1. SETTING REQUEST		
		DATA01	DATA02	DATA03
	305-1. BASE MODEL TYPE REQUEST			
	DATA01	DATA02	DATA12	DATA13
NP-UM301W	FFh	20h	02h	11h
NP-UM301X	FFh	20h	00h	11h
* NP-UM330W	FFh	13h	03h	12h
* NP-UM330X	FFh	13h	00h	12h
NP-UM351W	FFh	20h	03h	11h
NP-UM352W	FFh	20h	04h	11h
NP-UM361X	FFh	20h	01h	11h
* NP-V230	FFh	16h	04h	10h
* NP-V230X	FFh	16h	02h	10h
* NP-V260	FFh	16h	03h	10h
* NP-V260R	FFh	16h	07h	10h
* NP-V260W	FFh	16h	06h	10h
* NP-V260X	FFh	16h	01h	10h
* NP-V281W	FFh	16h	09h	10h
* NP-V300W	FFh	16h	05h	10h
* NP-V300X	FFh	16h	00h	10h
NP-V302H	FFh	2Ah	04h	10h
NP-V302W	FFh	2Ah	03h	10h
NP-V302X	FFh	2Ah	02h	10h
* NP-V311W	FFh	16h	08h	10h
* NP-V311X	FFh	16h	0Ah	10h
NP-V332W	FFh	2Ah	01h	10h
NP-V332X	FFh	2Ah	00h	10h
* NP-VE280	FFh	16h	05h	11h
* NP-VE280X	FFh	16h	02h	11h
* NP-VE281	FFh	16h	04h	11h
* NP-VE281X	FFh	16h	01h	11h
NP-VE303	FFh	2Bh	01h	10h
NP-VE303X	FFh	2Bh	00h	10h

4. Supplementary Information by Command

078-3. INPUT STATUS REQUEST
305-3. BASIC INFORMATION REQUEST

The asterisked models exclusively support "305-3. BASIC INFORMATION REQUEST",
i.e. don't support "078-3. INPUT STATUS REQUEST".

Selection signal type

	Model name	DATA03	01h	01h	01h	01h
		DATA04	01h	02h	03h	06h
*	NP4100 / NP4100W		Computer1	Video	S Video	Computer3
*	NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS		COMPUTER1	VIDEO	S VIDEO	HDMI
	NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS		COMPUTER	VIDEO		
	NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS		COMPUTER	VIDEO		
*	NP-M361W / NP-M311X / NP-M271X / NP-M311W / NP-M271W		COMPUTER1	VIDEO	S VIDEO	HDMI
	NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X		COMPUTER	VIDEO		
*	NP-ME360X / NP-ME310X / NP-ME270X		COMPUTER1	VIDEO		
	NP-P603X / NP-P523X / NP-PE523X		COMPUTER	VIDEO		
	NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X		COMPUTER	VIDEO		
	NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W		COMPUTER	VIDEO		
*	NP-P501X / NP-P451X / NP-P451W / NP-P401W		COMPUTER	VIDEO	S VIDEO	HDMI1
*	NP-P420X / NP-P350X / NP-P350W		COMPUTER1	VIDEO	S VIDEO	HDMI
*	NP-PE501X		COMPUTER	VIDEO	S VIDEO	HDMI1
*	NP-PE401H		COMPUTER	VIDEO	S VIDEO	HDMI1
	NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X		COMPUTER			
	NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X		COMPUTER	BNC(CV)	BNC(Y/C)	
	NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X		COMPUTER	BNC(CV)	BNC(Y/C)	
*	NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U		COMPUTER1	VIDEO	S VIDEO	HDMI
*	NP-PH1400U		COMPUTER1	VIDEO	S VIDEO	HDMI
	NP-PH1202HL / NP-PH1002HL		COMPUTER	BNC(CV)	BNC(Y/C)	
*	NP-PH1000U		COMPUTER1	VIDEO	S VIDEO	HDMI
	NP-PX1004UL NP-PX803UL		COMPUTER	BNC(CV)	BNC(Y/C)	
*	NP-PX750U / NP-PX700W / NP-PX800X		COMPUTER1	VIDEO	S VIDEO	HDMI
	NP-PX651X / NP-PX581W		Computer1	Video	S-Video	Component
*	NP-PX620X / NP-PX550W		Computer1	Video	S Video	Computer3
	NP-PX602UL / NP-PX602WL		COMPUTER	BNC(CV)	BNC(Y/C)	
	NP-U321H		COMPUTER	VIDEO		HDMI1(078-3)
*	NP-U300X / NP-U250X / NP-U310W / NP-U260W		COMPUTER1	VIDEO	S VIDEO	HDMI
	NP-UM352W		COMPUTER	VIDEO		
	NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X		COMPUTER	VIDEO		
*	NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W		COMPUTER	VIDEO	S VIDEO	HDMI1
	NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H		COMPUTER	VIDEO		HDMI1(078-3)
*	NP-V311W / NP-V281W / NP-V311X		COMPUTER1	VIDEO	S VIDEO	HDMI
*	NP-V300X / NP-V260X / NP-V300W / NP-V260W		COMPUTER1	VIDEO	S VIDEO	HDMI
*	NP-V230X / NP-V260 / NP-V230		COMPUTER	VIDEO	S VIDEO	
*	NP-V260R		COMPUTER	VIDEO	S VIDEO	HDMI
	NP-VE303X / NP-VE303		COMPUTER	VIDEO		
*	NP-VE281X / NP-VE281		COMPUTER	VIDEO		HDMI
*	NP-VE280X / NP-VE280		COMPUTER	VIDEO		

Supplement for "305-3. BASIC INFORMATION REQUEST"

	Parameter	Model name	Description
DATA04	Selection signal type 2	NP-U300X / NP-U250X / NP-U310W / NP-U260W	If there is no signal, FFh is returned.
DATA07	Sound mute	NP-M420XV	FFh is returned.
DATA09	Freeze status	NP4100 / NP4100W / NP-PX620X / NP-PX550W	Not supported (00h is always returned).

4. Supplementary Information by Command

078-3. INPUT STATUS REQUEST
305-3. BASIC INFORMATION REQUEST

The asterisked models exclusively support "305-3. BASIC INFORMATIOI
i.e. don't support "078-3. INPUT STATUS REQUEST".

Selection signal type

	Model name	DATA03 01h	01h	01h	01h
		DATA04 07h	0Ah	21h	22h
*	NP4100 / NP4100W				
*	NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS	VIEWER			
	NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS	USB-A		HDMI1	
	NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS	USB-A		HDMI1	
*	NP-M361W / NP-M311X / NP-M271X / NP-M311W / NP-M271W	VIEWER			
	NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X	USB-A		HDMI1	
*	NP-ME360X / NP-ME310X / NP-ME270X				
	NP-P603X / NP-P523X / NP-PE523X	USB-A		HDMI1	
	NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X	USB-A		HDMI1	
	NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W			HDMI1	
*	NP-P501X / NP-P451X / NP-P451W / NP-P401W	VIEWER			
*	NP-P420X / NP-P350X / NP-P350W	VIEWER			
*	NP-PE501X				
*	NP-PE401H				
	NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X			HDMI1	DiaplayPort
	NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X			HDMI1	DiaplayPort
	NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X	USB-A		HDMI1	DiaplayPort
*	NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U	VIEWER			
*	NP-PH1400U	VIEWER	STEREO DVI		
	NP-PH1202HL / NP-PH1002HL			HDMI	DiaplayPort
*	NP-PH1000U	VIEWER			
	NP-PX1004UL NP-PX803UL			HDMI	DiaplayPort
*	NP-PX750U / NP-PX700W / NP-PX800X	VIEWER			
	NP-PX651X / NP-PX581W				Computer3
*	NP-PX620X / NP-PX550W				
	NP-PX602UL / NP-PX602WL			HDMI	DiaplayPort
	NP-U321H			HDMI1(305-3)	
*	NP-U300X / NP-U250X / NP-U310W / NP-U260W				
	NP-UM352W			HDMI1	
	NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X	USB-A		HDMI1	
*	NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W	VIEWER			
	NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H			HDMI1(305-3)	
*	NP-V311W / NP-V281W / NP-V311X				
*	NP-V300X / NP-V260X / NP-V300W / NP-V260W				
*	NP-V230X / NP-V260 / NP-V230				
*	NP-V260R				
	NP-VE303X / NP-VE303			HDMI	
*	NP-VE281X / NP-VE281				
*	NP-VE280X / NP-VE280				

Supplement for "305-3. BASIC INFORMATION REQUEST"

Parameter		Model name
DATA04	Selection signal type 2	NP-U300X / NP-U250X / NP-U310W / NP-U260W
DATA07	Sound mute	NP-M420XV
DATA09	Freeze status	NP4100 / NP4100W / NP-PX620X / NP-PX550W

4. Supplementary Information by Command

078-3. INPUT STATUS REQUEST
305-3. BASIC INFORMATION REQUEST

The asterisked models exclusively support "305-3. BASIC INFORMATIOI
i.e. don't support "078-3. INPUT STATUS REQUEST".

Selection signal type

	Model name	DATA03 01h	01h	02h	02h
		DATA04 23h	27h	01h	06h
*	NP4100 / NP4100W			Computer2	
*	NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS			COMPUTER2	
	NP-M403X / NP-M363X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS				
	NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS				
*	NP-M361W / NP-M311X / NP-M271X / NP-M311W / NP-M271W			COMPUTER2	
	NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X				
*	NP-ME360X / NP-ME310X / NP-ME270X			COMPUTER2	
	NP-P603X / NP-P523X / NP-PE523X				
	NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X		HDBaseT		
	NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W		HDBaseT		
*	NP-P501X / NP-P451X / NP-P451W / NP-P401W				HDMI2
*	NP-P420X / NP-P350X / NP-P350W			COMPUTER2	
*	NP-PE501X				HDMI2
*	NP-PE401H				HDMI2
	NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X				
	NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X			BNC	
	NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X			BNC	
*	NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U			COMPUTER2	DisplayPort
*	NP-PH1400U			COMPUTER2	DisplayPort
	NP-PH1202HL / NP-PH1002HL	SLOT		BNC	
*	NP-PH1000U			COMPUTER2	DisplayPort
	NP-PX1004UL NP-PX803UL	SLOT	HDBaseT	BNC	
*	NP-PX750U / NP-PX700W / NP-PX800X			COMPUTER2	DisplayPort
	NP-PX651X / NP-PX581W	HDMI			Computer2
*	NP-PX620X / NP-PX550W			Computer2	
	NP-PX602UL / NP-PX602WL	SLOT		BNC	
	NP-U321H				HDMI2(078-3)
*	NP-U300X / NP-U250X / NP-U310W / NP-U260W			COMPUTER2	
	NP-UM352W				
	NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X				
*	NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W				HDMI2
	NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H				HDMI2(078-3)
*	NP-V311W / NP-V281W / NP-V311X			COMPUTER2	
*	NP-V300X / NP-V260X / NP-V300W / NP-V260W			COMPUTER2	
*	NP-V230X / NP-V260 / NP-V230				
*	NP-V260R				
	NP-VE303X / NP-VE303				
*	NP-VE281X / NP-VE281				
*	NP-VE280X / NP-VE280				

Supplement for "305-3. BASIC INFORMATION REQUEST"

	Parameter	Model name
DATA04	Selection signal type 2	NP-U300X / NP-U250X / NP-U310W / NP-U260W
DATA07	Sound mute	NP-M420XV
DATA09	Freeze status	NP4100 / NP4100W / NP-PX620X / NP-PX550W

4. Supplementary Information by Command

078-3. INPUT STATUS REQUEST
305-3. BASIC INFORMATION REQUEST

The asterisked models exclusively support "305-3. BASIC INFORMATIOI
i.e. don't support "078-3. INPUT STATUS REQUEST".

Selection signal type

Model name	DATA03	02h	02h	02h	03h
	DATA04	07h	21h	22h	01h
* NP4100 / NP4100W					
* NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS		NETWORK			
NP-M403X / NP-M363X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS		LAN	HDMI2		
NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS		LAN	HDMI2		
* NP-M361W / NP-M311X / NP-M271X / NP-M311W / NP-M271W		NETWORK			
NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X		LAN	HDMI2		
* NP-ME360X / NP-ME310X / NP-ME270X					
NP-P603X / NP-P523X / NP-PE523X			HDMI2		
NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X			HDMI2		
NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W			HDMI2		
* NP-P501X / NP-P451X / NP-P451W / NP-P401W		NETWORK			
* NP-P420X / NP-P350X / NP-P350W		NETWORK			
* NP-PE501X					
* NP-PE401H					
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X		HDBaseT	HDMI2		
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X		HDBaseT	HDMI2		
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X		ETHERNET	HDMI2		
* NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U		NETWORK			COMPUTER3
* NP-PH1400U		NETWORK			COMPUTER3
NP-PH1202HL / NP-PH1002HL		HDBaseT			
* NP-PH1000U		NETWORK			COMPUTER3
NP-PX1004UL NP-PX803UL					
* NP-PX750U / NP-PX700W / NP-PX800X		NETWORK			COMPUTER3
NP-PX651X / NP-PX581W			HDBaseT		
* NP-PX620X / NP-PX550W					
NP-PX602UL / NP-PX602WL		HDBaseT			
NP-U321H			HDMI2(305-3)		
* NP-U300X / NP-U250X / NP-U310W / NP-U260W					
NP-UM352W			HDMI2		
NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X		LAN	HDMI2		
* NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W		NETWORK			
NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H			HDMI2(305-3)		
* NP-V311W / NP-V281W / NP-V311X					
* NP-V300X / NP-V260X / NP-V300W / NP-V260W					
* NP-V230X / NP-V260 / NP-V230					
* NP-V260R					
NP-VE303X / NP-VE303					
* NP-VE281X / NP-VE281					
* NP-VE280X / NP-VE280					

Supplement for "305-3. BASIC INFORMATION REQUEST"

Parameter		Model name
DATA04	Selection signal type 2	NP-U300X / NP-U250X / NP-U310W / NP-U260W
DATA07	Sound mute	NP-M420XV
DATA09	Freeze status	NP4100 / NP4100W / NP-PX620X / NP-PX550W

4. Supplementary Information by Command

078-3. INPUT STATUS REQUEST
305-3. BASIC INFORMATION REQUEST

The asterisked models exclusively support "305-3. BASIC INFORMATIOI
i.e. don't support "078-3. INPUT STATUS REQUEST".

Selection signal type

	Model name	DATA03 03h / DATA04 04h	03h / 06h	04h / 07h	05h / 07h
*	NP4100 / NP4100W	Component			
*	NP-M420X / NP-M420XV NP-M350X / NP-M300X / NP-M260X / NP-M230X / NP-M300W / NP-M260W / NP-M350XS / NP-M300XS / NP-M260XS / NP-M300WS / NP-M260WS			USB DISPLAY	
	NP-M403X / NP-M363X / NP-M323X / NP-M283X / NP-M403W / NP-M363W / NP-M323W / NP-M333XS / NP-M353WS / NP-M303WS / NP-M403H / NP-M323H / NP-M353HS / NP-M323HS / NP-M303HS			USB-B	
	NP-M402W / NP-M362W / NP-M402X / NP-M362X / NP-M322X / NP-M282X / NP-M322W / NP-M352WS / NP-M302WS / NP-M332XS			USB-B	
*	NP-M361W / NP-M311X / NP-M271X / NP-M311W / NP-M271W			USB DISPLAY	
	NP-ME401W / NP-ME361W / NP-ME331W / NP-ME301W / NP-ME401X / NP-ME361X / NP-ME331X / NP-ME301X			USB-B	
*	NP-ME360X / NP-ME310X / NP-ME270X				
	NP-P603X / NP-P523X / NP-PE523X				
	NP-P554U / NP-P474U / NP-P554W / NP-P474W / NP-P604X				
	NP-P502HL / NP-P502WL NP-P502H / NP-P502W / NP-P452H / NP-P452W				APPS
*	NP-P501X / NP-P451X / NP-P451W / NP-P401W			USB DISPLAY	
*	NP-P420X / NP-P350X / NP-P350W			USB DISPLAY	
*	NP-PE501X			USB DISPLAY	
*	NP-PE401H				
	NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X				
	NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X				
	NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X				
*	NP-PA600X / NP-PA500X / NP-PA550W / NP-PA500U				
*	NP-PH1400U		SLOT		
	NP-PH1202HL / NP-PH1002HL				
*	NP-PH1000U		SLOT		
	NP-PX1004UL NP-PX803UL				
*	NP-PX750U / NP-PX700W / NP-PX800X		SLOT		
	NP-PX651X / NP-PX581W				
*	NP-PX620X / NP-PX550W	Component			
	NP-PX602UL / NP-PX602WL				
	NP-U321H				
*	NP-U300X / NP-U250X / NP-U310W / NP-U260W				
	NP-UM352W			USB-B	APPS
	NP-UM351W / NP-UM301W / NP-UM361X / NP-UM301X			USB-B	
*	NP-UM330X / NP-UM280X / NP-UM330W / NP-UM280W			USB DISPLAY	
	NP-V332X / NP-V332W / NP-V302X / NP-V302W / NP-V302H				
*	NP-V311W / NP-V281W / NP-V311X				
*	NP-V300X / NP-V260X / NP-V300W / NP-V260W				
*	NP-V230X / NP-V260 / NP-V230				
*	NP-V260R				
	NP-VE303X / NP-VE303				
*	NP-VE281X / NP-VE281				
*	NP-VE280X / NP-VE280				

Supplement for "305-3. BASIC INFORMATION REQUEST"

Parameter		Model name
DATA04	Selection signal type 2	NP-U300X / NP-U250X / NP-U310W / NP-U260W
DATA07	Sound mute	NP-M420XV
DATA09	Freeze status	NP4100 / NP4100W / NP-PX620X / NP-PX550W

4. Supplementary Information by Command

097-198. PIP/PICTURE BY PICTURE REQUEST
098-198. PIP/PICTURE BY PICTURE SET

Sub input

	DATA02									
	00h	01h	02h	03h	04h	05h	06h	07h	08h	09h
NP-PA803UL / NP-PA653UL NP-PA803U / NP-PA723U / NP-PA653U / NP-PA853W / NP-PA703W / NP-PA903X	OFF			HDMI1	HDMI2	DisplayPort	COMPUTER		HDBaseT	
NP-PA622U / NP-PA522U / NP-PA672W / NP-PA572W / NP-PA722X / NP-PA622X	OFF	BNC(CV)	BNC(Y/C)	HDMI1	HDMI2	DisplayPort	COMPUTER	BNC	HDBaseT	
NP-PA621U / NP-PA521U / NP-PA671W / NP-PA571W / NP-PA721X / NP-PA621X	OFF	BNC(CV)	BNC(Y/C)	HDMI1	HDMI2	DisplayPort	COMPUTER	BNC	ETHERNET	USB-A
NP-PH1202HL / NP-PH1002HL	OFF	BNC(CV)	BNC(Y/C)	HDMI	SLOT	DisplayPort	COMPUTER	BNC	HDBaseT	
NP-PX1004UL NP-PX803UL	OFF	BNC(CV)	BNC(Y/C)	HDMI	SLOT	DisplayPort	COMPUTER	BNC	HDBaseT	
NP-PX602UL / NP-PX602WL	OFF	BNC(CV)	BNC(Y/C)	HDMI	SLOT	DisplayPort	COMPUTER	BNC	HDBaseT	