Projector
Control Command
Reference Manual

VDT24004
Revision 1.0

Introduction

This manual describes the commands used to control a 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 installation 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

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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

Information

- 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

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)

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. ① Add all preceding bytes of data. ② Use the value of the low-order one byte (eight bits) of the addition result obtained in ① 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>*

① Add all the data preceding the checksum.

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

② Use the low-order one byte "03h" of the addition result obtained in ① 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.
01h	00h	The specified value is invalid.
01h	01h	The specified input terminal is invalid.
01h	02h	The specified language is invalid.
02h	03h	The specified value cannot be set.
02h	0Dh	The command cannot be accepted because the power is off.
02h	0Eh	The command execution failed.
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	None (fixed to 0)	Bit5	None (fixed to 0)
	Bit2	None (fixed to 0)	Bit6	Light off or LD Driver communication error
	Bit3	None (fixed to 0)	Bit7	None (fixed to 0)
DATA02	Error status (2)			
	Bit0	None (fixed to 0)	Bit4	None (fixed to 0)
	Bit1	Phosphor wheel error	Bit5	None (fixed to 0)
	Bit2	None (fixed to 0)	Bit6	None (fixed to 0)
	Bit3	None (fixed to 0)	Bit7	Refer to the extend status.
DATA03	Error status (3)			
	Bit0	Driver version error	Bit4	None (fixed to 0)
	Bit1	CPU communication error	Bit5	TEC Driver error
	Bit2	Temperature error (temperature sensor)	Bit6	None (fixed to 0)
	Bit3	None (fixed to 0)	Bit7	None (fixed to 0)
DATA04	Error status (4)			
	Bit0	None (fixed to 0)	Bit4	None (fixed to 0)
	Bit1	None (fixed to 0)	Bit5	None (fixed to 0)
	Bit2	Color sensor error	Bit6	None (fixed to 0)
	Bit3	None (fixed to 0)	Bit7	The lens is not installed properly.
DATA05 – 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 HDMI1 port (DATA01: A1h).

02h	03h	00h	00h	02h	01h	A1h	A9h

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

① The following command sets brightness to "10".

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

② 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 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>*

3.13 [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 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>*

3.14 [030-15. OTHER ADJUST]

Adjusts the various gains.

Command

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

Data part

Item	Description		
DATA01 DATA02	DATA01	DATA02	Adjustment target
	96h	FFh	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 8Ah 00h 00h 00h 8Dh

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	Light usage time (seconds)
DATA87 - 90	Reserved for the system
DATA91 - 98	Reserved for the system

When the command fails

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

Response example

When the light usage time is18000 seconds (5 hours)

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

Light 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 [037-4. LIGHT INFORMATION REQUEST 3]

Gets light usage information. The values in the obtained information reflect the light mode.

Command

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

Data part

Item	Description	
DATA01	Target	
	00h	Light
DATA02	Content	
	01h	Light usage time (seconds)

▸ Command example

The following command gets the light 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	Light
DATA02	Content	
	01h	Light usage time (seconds)
DATA03 - 06	Obtained information	

When the command fails

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

Response example

When the light usage time is18000 seconds (5 hours)

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

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

Information

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

3.17 [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>*

3.18 [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 DATA02	Key code (WORD type) 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
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	STATUS
15	0Fh	00h	D-ZOOM+
16	10h	00h	D-ZOOM-
44	2Ch	00h	TEST
100	64h	00h	1
101	65h	00h	2
102	66h	00h	3
103	67h	00h	4
104	68h	00h	5
105	69h	00h	6
106	6Ah	00h	7
107	6Bh	00h	8
108	6Ch	00h	9
109	6Dh	00h	0

Key code	DATA01	DATA02	Key name
132	84h	00h	VOLUME UP
133	85h	00h	VOLUME DOWN
147	93h	00h	SHUTTER OPEN
148	94h	00h	SHUTTER CLOSE
229	E5h	00h	HDBaseT
238	EEh	00h	LIGHT MODE
261	05h	01h	HDMI
259	03h	01h	ID SET
273	11h	01h	GEOMETRIC
276	14h	01h	AUX
280	18h	01h	HDMI2
282	1Ah	01h	OSD MUTE OFF
283	1Bh	01h	OSD MUTE ON
284	1Ch	01h	USER1
285	1Dh	01h	USER2
286	1Eh	01h	USER3
288	20h	01h	SDI
289	21h	01h	DEFAULT

▸ 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>*

3.19 [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>*

3.20 [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>*

3.21 [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)
	06h	Periphery Focus
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.

3.22 [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)
	06h	Periphery Focus

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)
	06h	Periphery Focus
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>

3.23 [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)
	06h	Periphery Focus
	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)
	06h	Periphery Focus
	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>

3.24 [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>

3.25 [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>

3.26 [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>*

3.27 [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>*

3.28 [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>*

3.29 [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>*

3.30 [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>*

3.31 [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	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>

3.32 [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>*

3.33 [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>*

3.34 [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			
	21h	HDMI	FFh	Not Source Input
	27h	HDBaseT	—	—
	28h	SDI	—	—

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	Test pattern displayed
	02h	—	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>*

3.35 [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>*

3.36 [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>*

3.37 [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>*

3.38 [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>*

3.39 [097-8. LIGHT MODE REQUEST]

Gets the value set for the light mode.

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 light mode

Information

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

When the command fails

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

3.40 [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>*

3.41 [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>*

3.42 [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 / SUB INPUT 1
	09h	SUB INPUT 2
	0Ah	SUB INPUT 3

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 / SUB INPUT 1
	09h	SUB INPUT 2
	0Ah	SUB INPUT 3
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 / SUB INPUT 1")	
	Sub input setting value (when DATA01 is 09h "SUB INPUT 2")	
	Sub input setting value (when DATA01 is 0Ah "SUB INPUT 3")	

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>*

3.43 [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>*

3.44 [098-8. LIGHT MODE SET]

Sets the light mode.

Command

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

Item	Description
DATA01	Value set for the light mode

Information

For information about the values set for the light 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>*

3.45 [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>*

3.46 [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 / SUB INPUT 1
	09h	SUB INPUT 2
	0Ah	SUB INPUT 3
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 / SUB INPUT 1")	
	Sub input setting value (when DATA01 is 09h "SUB INPUT 2")	
	Sub input setting value (when DATA01 is 0Ah "SUB INPUT 3")	

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 / SUB INPUT 1
	03h	SUB INPUT 2
	04h	SUB INPUT 3
DATA02	Execution result	
	00h	Ended successfully.
	01h	Ended with an error.

When the command fails

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

3.47 [098-243-1. 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>*

3.48 [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>*

3.49 [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>*

3.50 [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	05h	Test pattern (user) displayed
	01h	No signal	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			
	21h	HDMI	FFh	Not Source Input
	27h	HDBaseT	—	—
	28h	SDI	—	—
DATA05	Reserved for the system			
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>*

4. Revision History

Revision	Date	Description
1.0	August 27, 2024	First version