

# **MULTIMEDIA PROJECTOR WUX6500**

## **User Commands**

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## 1. Overview

These specifications describe the methods of controlling Projector WUX6500 from PC or other controllers over an RS-232C, LAN, or HDBaseT connection.

### ■ Symbols

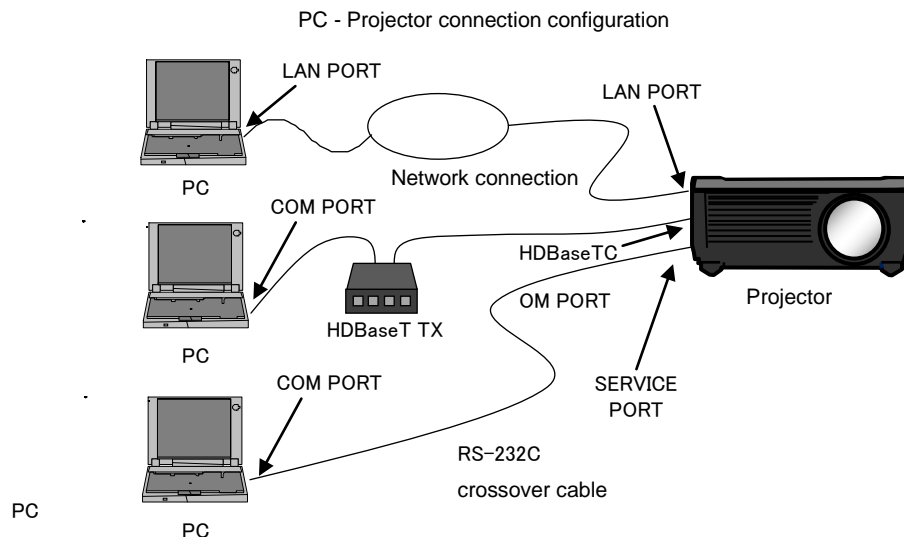
The following symbols are used in these specifications:

Symbol	Description
[ ]	Data in [ ] can be omitted.
	Same as OR.

## 2. Communication Specifications

### Communication Specifications

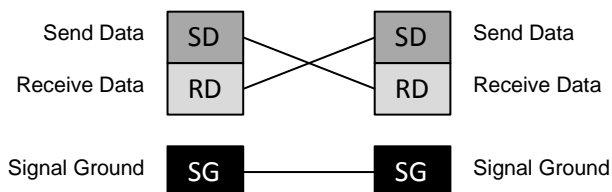
The projector can be controlled via RS-232C, wired LAN, HDBaseT, or wireless LAN connection.



RS-232C connection	
Item	Specification
Connection system	PC and projector connected on a "1:1" basis
Connection signal line	3-line connection of SD, RD, and SG
Connection cable	9-pin RS-232C cable (crossover)

Wired LAN connection	
Item	Specification
Connection system	TCP/IP connection
Connection signal line	Straight when connecting via network
Connection cable	LAN cable
LAN	1000BASE-T 100BASE-TX 10BASE-T

HDBaseT connection	
Item	Specification
Connection system	HDBaseT connection
Connection cable	LAN cable



- \* Signal lines other than the three SD, RD, and SG lines are not used in the projector.
- \* Loop back its own signals on the PC side as necessary.
- \* To use the LAN connection, the network function on the projector must be turned on.  
In addition, configure the network properly between the project and the PC.
- \* To use the HDBaseT connection, on the projector, HDBaseT must be turned on and serial communication must be set to HDBaseT.

## Usable Character Codes

Use ASCII codes in the red and blue areas of the following table.

No distinction is made between double-byte characters and single-byte characters. All characters are interpreted as single-byte characters, so do not use double-byte or triple-byte characters.

Uppercase and lowercase alphabet letters are recognized as the same character.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	NUL		SP	0	@	P	`	p								
1			!	1	A	Q	a	q								
2			"	2	B	R	b	r								
3			#	3	C	S	c	s								
4			\$	4	D	T	d	t								
5			%	5	E	U	e	u								
6			&	6	F	V	f	v								
7			'	7	G	W	g	w								
8			(	8	H	X	h	x								
9			)	9	I	Y	i	y								
A			*	:	J	Z	j	z								
B			+	;	K	[	k	{								
C			,	<	L	\	l									
D	CR		-	=	M	]	m	}								
E			.	>	N	^	n	~								
F			/	?	O	_	o									

Item	Specifications
Delimiters	CR(0Dh) Characters usable as delimiters.
General characters	20h to 60h, 7Bh to 7Eh Characters usable in commands.
Invalid characters	Do not use the codes in regions other than the red and blue areas or invalid characters. If used, it will be handled as a space (20h).
Unrecommended characters	Do not use as a general rule. Both upper case and lower case letters can be used in commands, but upper case should be used in most cases.

## Communication System (Serial)

Item	Specification
Communication mode	RS-232-C Start-stop synchronization half-duplex communication
Transmission speed	19.2 Kbps
Character length	8 bits/character
Stop bit	2 bits
Parity	None
Command format	Variable-length records with terminals as delimiters
Maximum transmission length	Maximum of 256 characters (bytes) including delimiters.
Delimiters	CR (0Dh) can be used as a delimiter. Delimiter in the response is CR.
Command code	ASCII codes (20h to 7Eh) Codes other than ASCII codes (20h to 7Eh), delimiter code (0Dh), or NUL (00h) are handled as spaces (20h).
Communication procedure	No procedure
Flow control	None
Error control	None
Break signal	Not supported
Timeout	Tc Between characters: 1 second
	Tr Between command/response interval: 15 seconds

\* For timeout, see chapter 3, "Communication Flow" on page 8.

## Communication System (LAN)

Item	Specification
Communication mode	TCP/IP connection. Port: 33336
Remarks	If a command is not received for 30 seconds, the socket will be closed.

## Communication system (HDBaseT)

Item	Specification
Communication mode	RS-232-C Start-stop synchronization half-duplex communication
Transmission speed	9600bps
Character length	8 bits/character
Stop bit	2 bits
Parity	None
Command format	Variable-length records with terminals as delimiters
Maximum transmission length	Maximum of 256 characters (bytes) including delimiters.
Delimiters	CR (0Dh) can be used as a delimiter. Delimiter in the response is CR.
Command code	ASCII codes (20h to 7Eh) Anything other than the above code and delimiter codes are processed in the same way as space (20h).
Communication procedure	No procedure
Flow control	None
Error control	None
Break signal	Not supported
Timeout	Tc Between characters: 1 second
	Tr Between command/response interval: 15 seconds

\* For timeout, see chapter 3, "Communication Flow" on page 8.

## Command Format

### Format

Commands are sent from PC to the projector in the following format:

<command text><delimiter> or  
<command text>=(value)<delimiter>

<command text>	Character strings consisting of 1 or more alphanumeric letters
<value>	Character strings consisting of 1 or more alphanumeric letters
<delimiter>	CR(0Dh)

For <command strings> and <value>, see explanation about each command.

Example) When checking the power status (POWER)

PC → PJ

G	E	T	=	P	O	W	E	R	CR
47h	45h	54h	3Dh	50h	4Fh	57h	45h	52h	0Dh

## Response Format

Responses are sent from the projector to PC in the following format:

<Response character string> <Delimiter>

There are multiple response types, each having different <response string> format.

<Response character string>	Character strings consisting of 1 or more alphanumeric letters First 2 digits are always 1 lowercase alphabet letter and a ":" (colon). The first character indicates the response type.		
	Response type	Meaning	Example
	i	Normal response	i:OK
	g	Reference command response	g:BRI=0
	e	Error response	e:0002 INVALID_COMMAND
<delimiter>	CR(0Dh)		

Format varies according to the type, as follows:

### Normal response

A response when command is processed normally.

The projector receives the next command only after receiving this response.

Format)

i:OK<delimiter>



Example)

PC → PJ

P	O	W	E	R	=	O	N	CR
50h	4Fh	57h	45h	52h	3Dh	4Fh	4Eh	0Dh

PC ← PJ

i	:	O	K	CR
69h	3Ah	4Fh	4Bh	0Dh

## Reference command response

A response when reference is made properly for a reference command.

Format)

g:<command string>=<value><delimiter>

Example)

PC → PJ

G	E	T	=	P	O	W	E	R	CR
47h	45h	54h	3Dh	50h	4Fh	57h	45h	52h	0Dh

PC ← PJ

g	:	P	O	W	E	R	=	O	N	CR
67h	3Ah	50H	4Fh	57h	45h	52h	3Dh	4Fh	4Eh	0Dh

## Error response

A response when an error occurred.

Format)

e:<error ID><space><error info string><delimiter>

<error ID>	4 alphanumeric letters
<space>	Space character (20h)
<error info string>	Character strings consisting of 1 or more alphanumeric letters

\* Refer to "Error List"

Example)

PC → PJ

A	U	T	O	P	C	CR
41h	55h	54h	4Fh	50h	43h	0Dh

PC ← PJ

e	:	2	0	1	F		I	N	V	A	L	I	D	_
65h	3Ah	32h	30h	31h	46h	20h	49h	4Eh	56h	41h	4Ch	49h	44h	5Fh
S	I	G	N	A	L	CR								
53h	49h	47h	4Eh	41h	4Ch	0Dh								

## ■ Normal response (BUSY)

This response is sent when a command cannot be received during processing.

Format)

i:BUSY<delimiter>

Example)

PC → PJ

A	U	T	O	P	C	CR
41h	55h	54h	4Fh	50h	43h	0Dh

PC ← PJ

i	:	B	U	S	Y	CR
69h	3Ah	42h	55h	53h	59h	0Dh

## Other Items

### ■ Command recognition

The receiver (projector) retains incoming characters within a specific Tc, and recognizes the data as "received command" when delimiter is received.

If the character interval received exceeds the Tc or if a delimiter is not received within 256 characters, all data already received is lost, and the mode is reset to standby to receive commands again.

### ■ Parameter value

Definition of <Parameter value> is as follows:

<Parameter value>	<value 1>, <value 2>..., <value n>
<value n>	<Numerical value>   <ID>   "<Character string>"
<numerical value>	[<sign>]<decimal numeric string> The decimal string consists of minimum 1 letter and maximum 5 letters. Valid value range is -32768 to 32767.
<ID>	1 or more ASCII characters (20h to 60h, 7Bh to 7Eh)
<character string>	0 or more ASCII characters (20h to 60h, 7Bh to 7Eh)

### 3. Communication Flow

#### Command Transmission (PC side)

Commands should be sent from PC in a way that each character is sent within the specified Tc (inter-character timeout).

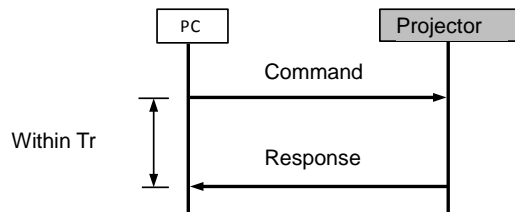
#### Command Reception (projector side)

The projector retains incoming characters within a specific Tc, and recognizes the data as "received command" when delimiter is received.

If the character interval received exceeds the Tc or if a delimiter is not received within 256 characters, all data already received is lost, and the mode is reset to standby to receive commands again.

#### Command/Response

A response is always returned within Tr(\*) for a command sent from the PC.



(\*) The timeout interval between command and response (Tr) is 15 seconds.

#### Response Reception Timeout

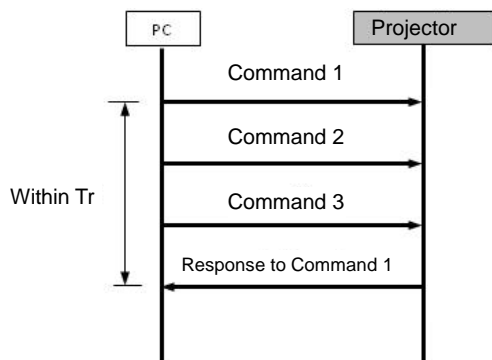
If a response is not received within the Tr (timeout interval between command and response) while standing by a waiting response after sending a command from the PC, it is deemed to have exceeded the "response reception timeout." Please resend the command.

#### Other Items

To execute commands via network, the network function must be enabled in advance.

To execute commands via HDBaseT, the HDBaseT function must be enabled and serial communication must be set to HDBaseT in advance.

The PC side cannot send the next user command before a response for the first command is returned. If two or more user commands are received, user commands from 2nd one are discarded. If 2 or more user commands are received, only the 1st command is processed, and a response is returned when finished.



## 4. Command List

Item	Command	Setting	Reference	Description	Power mode restriction							
					LAN				RS-232C			
					SL0	SL1	SL3	PMON	ST	PMON		
1	<u>6AXADJ</u>	Yes	Yes	6-axis color adjustment	-	-	-	-	Yes	-	-	Yes
2	<u>6AXR</u>	Yes	Yes	6-axis color adjustment R hue/saturation/brightness	-	-	-	-	Yes	-	-	Yes
3	<u>6AXG</u>	Yes	Yes	6-axis color adjustment G hue/saturation/brightness	-	-	-	-	Yes	-	-	Yes
4	<u>6AXB</u>	Yes	Yes	6-axis color adjustment B hue/saturation/brightness	-	-	-	-	Yes	-	-	Yes
5	<u>6AXC</u>	Yes	Yes	6-axis color adjustment C hue/saturation/brightness	-	-	-	-	Yes	-	-	Yes
6	<u>6AXM</u>	Yes	Yes	6-axis color adjustment M hue/saturation/brightness	-	-	-	-	Yes	-	-	Yes
7	<u>6AXY</u>	Yes	Yes	6-axis color adjustment Y hue/saturation/brightness	-	-	-	-	Yes	-	-	Yes
8	<u>AMBADJ</u>	Yes	Yes	Ambient light correction adjustment ON/OFF	-	-	-	-	Yes	-	-	Yes
9	<u>AMBLEVEL</u>	Yes	Yes	Ambient light level settings	-	-	-	-	Yes	-	-	Yes
10	<u>AMBTTYPE</u>	Yes	Yes	Ambient light type settings	-	-	-	-	Yes	-	-	Yes
11	<u>ASELA1</u>	Yes	Yes	Analog PC-1 Audio input terminal selection	-	-	-	-	Yes	-	-	Yes
12	<u>ASELA2</u>	Yes	Yes	Analog PC-2 Audio input terminal selection	-	-	-	-	Yes	-	-	Yes
13	<u>ASELC</u>	Yes	Yes	Component Audio input terminal selection	-	-	-	-	Yes	-	-	Yes
14	<u>ASELD</u>	Yes	Yes	Digital PC Audio input terminal selection	-	-	-	-	Yes	-	-	Yes
15	<u>ASELH</u>	Yes	Yes	HDMI Audio input terminal selection	-	-	-	-	Yes	-	-	Yes
16	<u>ASELHDBT</u>	Yes	Yes	HDBaseT Audio input terminal selection					Yes			Yes
17	<u>ASELL</u>	Yes	Yes	LAN audio input terminal selection	-	-	-	-	Yes	-	-	Yes
18	<u>ASELU</u>	Yes	Yes	USB audio input terminal selection	-	-	-	-	Yes	-	-	Yes
19	<u>ASPECT</u>	Yes	Yes	Aspect ratio	-	-	-	-	Yes	-	-	Yes
20	<u>AUTOPC</u>	Yes	-	Auto PC	-	-	-	-	Yes	-	-	Yes
21	<u>AUTOSETEXE</u>	Yes	-	Auto setup	-	-	-	-	Yes	-	-	Yes
22	<u>AVOL</u>	Yes	Yes	Audio volume adjustment	-	-	-	-	Yes	-	-	Yes
23	<u>BLANK</u>	Yes	Yes	Screen blank	-	-	-	-	Yes	-	-	Yes
24	<u>BRI</u>	Yes	Yes	Brightness setting	-	-	-	-	Yes	-	-	Yes
25	<u>COLOR_TEMP</u>	Yes	Yes	Color temperature setting	-	-	-	-	Yes	-	-	Yes
26	<u>COMVER</u>	-	Yes	User command version inquiry	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
27	<u>CONT</u>	Yes	Yes	Contrast setting	-	-	-	-	Yes	-	-	Yes
28	<u>DGAMMA</u>	Yes	Yes	Dynamic gamma	-	-	-	-	Yes	-	-	Yes
29	<u>DZOOM_POS</u>	Yes	Yes	Zoom display position	-	-	-	-	Yes	-	-	Yes
30	<u>DZOOM_RAT</u>	Yes	Yes	Zoom display ratio	-	-	-	-	Yes	-	-	Yes
31	<u>ERR</u>	-	Yes	Error information inquiry	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
32	<u>FINE_GAMMA_R</u>	Yes	Yes	Fine gamma (R)	-	-	-	-	Yes	-	-	Yes
33	<u>FINE_GAMMA_G</u>	Yes	Yes	Fine gamma (G)	-	-	-	-	Yes	-	-	Yes
34	<u>FINE_GAMMA_B</u>	Yes	Yes	Fine gamma (B)	-	-	-	-	Yes	-	-	Yes
35	<u>FLTWRN</u>	Yes	Yes	Air filter cleaning warning	-	-	-	-	Yes	-	-	Yes
36	<u>FNBND</u>	Yes	Yes	[Fn] button setting	-	-	-	-	Yes	-	-	Yes
37	<u>FREEZE</u>	Yes	Yes	Screen freeze	-	-	-	-	Yes	-	-	Yes
38	<u>GAMMA</u>	Yes	Yes	Gamma adjustment	-	-	-	-	Yes	-	-	Yes
39	<u>HDMI_IN</u>	Yes	Yes	HDMI input setting	-	-	-	-	Yes	-	-	Yes
40	<u>HTMPINF</u>	Yes	Yes	High temperature caution display	-	-	-	-	Yes	-	-	Yes

Item	Command	Setting	Reference	Description	Power mode restriction							
					LAN				RS-232C			
					SL0	SL1	SL3	PMON	ST	PMON	ST	PMON
41	<u>HUE</u>	Yes	Yes	Hue setting	-	-	-	-	Yes	-	-	Yes
42	<u>IMAGE</u>	Yes	Yes	Image mode setting	-	-	-	-	Yes	-	-	Yes
43	<u>IMAGEFLIP</u>	Yes	Yes	Flip display	-	-	-	-	Yes	-	-	Yes
44	<u>INPUT</u>	Yes	Yes	Input signal selection	-	-	-	-	Yes	-	-	Yes
45	<u>KREP</u>	Yes	Yes	Key repeat	-	-	-	-	Yes	-	-	Yes
46	<u>LAMP</u>	Yes	Yes	Lamp mode	-	-	-	-	Yes	-	-	Yes
47	<u>LAMPCOUNTER</u>	-	Yes	Lamp counter inquiry	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
48	<u>LMPWRN</u>	Yes	Yes	Lamp replacement warning display	-	-	-	-	Yes	-	-	Yes
49	<u>LPOSLD</u>	Yes	-	Lens-position load					Yes			Yes
50	<u>MAIN</u>	Yes	-	Unit control panel emulation	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
51	<u>MEMF</u>	Yes	Yes	Memory color adjustment (flesh)	-	-	-	-	Yes	-	-	Yes
52	<u>MEMG</u>	Yes	Yes	Memory color adjustment (green)	-	-	-	-	Yes	-	-	Yes
53	<u>MEMS</u>	Yes	Yes	Memory color adjustment (sky)	-	-	-	-	Yes	-	-	Yes
54	<u>MUTE</u>	Yes	Yes	Audio mute	-	-	-	-	Yes	-	-	Yes
55	<u>NR</u>	Yes	Yes	Random noise reduction	-	-	-	-	Yes	-	-	Yes
56	<u>NRMPG</u>	Yes	Yes	MPEG noise reduction	-	-	-	-	Yes	-	-	Yes
57	<u>NRMSQT</u>	Yes	Yes	Mosquito noise reduction	-	-	-	-	Yes	-	-	Yes
58	<u>OVSCAN</u>	Yes	Yes	Overscan setting					Yes			Yes
59	<u>POWER</u>	Yes	Yes	Power supply control	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
60	<u>PRODCODE</u>	-	Yes	Product name inquiry	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
61	<u>RC</u>	Yes	-	Remote control operation emulate	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
62	<u>RGBGAIN</u>	Yes	Yes	RGB gain adjustment	-	-	-	-	Yes	-	-	Yes
63	<u>RGBOFFSET</u>	Yes	Yes	RGB offset adjustment	-	-	-	-	Yes	-	-	Yes
64	<u>ROMVER</u>	-	Yes	Firmware version inquiry	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
65	<u>SAT</u>	Yes	Yes	Color saturation setting	-	-	-	-	Yes	-	-	Yes
66	<u>SAVEIMGPROF</u>	Yes	Yes	User memory creation/storage/deletion	-	-	-	-	Yes	-	-	Yes
67	<u>SCRNASPECT</u>	Yes	Yes	Screen aspect setting	-	-	-	-	Yes	-	-	Yes
68	<u>SHARP</u>	Yes	Yes	Sharpness setting	-	-	-	-	Yes	-	-	Yes
69	<u>SIGMSG</u>	Yes	Yes	Input status display		-			Yes	-	-	Yes
70	<u>SIGNAL_INFO</u>	-	Yes	Displayed signal information inquiry	-	-	-	-	Yes	-	-	Yes
71	<u>SIGNALSTATUS</u>	-	Yes	Signal detection inquiry	-	-	-	-	Yes	-	-	Yes
72	<u>TEMP</u>	-	Yes	Temperature sensor value inquiry	-	-	Yes	Yes	Yes	Yes	Yes	Yes
73	<u>IPTN</u>	Yes	Yes	Test pattern	-	-	-	-	Yes	-	-	Yes
74	<u>ZSCLR</u>	Yes	Yes	Zoom								Yes

Note: About "Power mode restriction"

Commands are executable only when the projector is in the mode indicated by "Yes." Meaning of each mode is as follows:

Power mode restriction/LAN: Indicates whether the command coming through LAN is executable.

SL0: Standby mode, and the network function is turned off. When the network function is turned off, the command is not executable if coming from LAN, in which case, this should never be "Yes".

SL1: Standby mode, and the network standby setting is set to "Eco."

SL3: Standby mode, and the network standby setting is set to "Normal."

PM: Power management "lamp off" standby

ON: Normal projection status

Power/RS-232C: Indicates whether the command coming through RS-232C is executable.

ST: Standby mode (includes SL0, SL1 and SL3 altogether, regardless of the network setting).

## 6. Command Details

### 6AXADJ

6-axis color adjustment

#### Format

Setting	Command	6AXADJ=<6-axis adjustment parameter: ID>
	Response	i:OK
Reference	Command	GET=6AXADJ
	Response	g:6AXADJ=<6-axis adjustment parameter: ID>

Note: See "Error list" for any response other than the above.

<6-axis adjustment parameter:ID>

Parameter	Meaning
ON	Adjusted
OFF	Turned off

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) Use "6AXR - Y" command when this is set to "ON" and the corrected 6-axis values need to be changed.
- (2) This sets the currently selected input signal and image mode.

#### Example

(Control)

> 6AXADJ=ON

< i:OK

(Reference)

> GET=6AXADJ

< g:6AXADJ=ON

Note: '>' indicates a command; '<' indicates a response.

## 6AXR

6-axis adjustment (red), hue/saturation/brightness

### Format

Setting	Command	6AXR=<R hue:Number>,<R saturation:Number>, <R brightness:Number>
	Response	i:OK
Reference	Command	GET=6AXR
	Response	g:6AXR=<R hue:Number>,<R saturation:Number>, <R brightness:Number>

Note: See "Error list" for any response other than the above.

<R hue:Number> is within -20 to 20.

<R saturation:Number> is within -20 to 20.

<R brightness:Number> is within -20 to 20.

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) When 6-axis adjustment is turned on, these settings are shown over the displayed image. However, the settings can be changed regardless of whether 6-axis adjustment is turned on or not.
- (2) This sets the currently selected input signal and image mode.

### Example

(Setting)

>6AXR=-8,5,3

< i:OK

(Reference)

> GET=6AXR

< g:6AXR=-8,5,3

Note: '>' indicates a command; '<' indicates a response.



## 6AXG

6-axis adjustment (green), hue/saturation/brightness

### Format

Setting	Command	6AXG=<G hue:Number>,<G saturation:Number>,<G brightness:Number>
	Response	i:OK
Reference	Command	GET=6AXG
	Response	g:6AXG=<G hue:Number>,<G saturation:Number>,<G brightness:Number>

Note: See "Error list" for any response other than the above.

<G hue:Number> is within -20 to 20.

<G saturation:Number> is within -20 to 20.

<G brightness:Number> is within -20 to 20.

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) When 6-axis adjustment is turned on, these settings are shown over the displayed image. However, the settings can be changed regardless of whether 6-axis adjustment is turned on or not.
- (2) This sets the currently selected input signal and image mode.

### Example

(Setting)

>6AXG=-8,5,3

< i:OK

(Reference)

> GET=6AXG

< g:6AXG=-8,5,3

Note: '>' indicates a command; '<' indicates a response.

## 6AXB

6-axis adjustment (blue), hue/saturation/brightness

### Format

Setting	Command	6AXB=<B hue:Number>,<B saturation:Number>,<B brightness:Number>
	Response	i:OK
Reference	Command	GET=6AXB
	Response	g:6AXB=<B hue:Number>,<B saturation:Number>,<B brightness:Number>

Note: See "Error list" for any response other than the above.

<B hue:Number> is within -20 to 20.

<B saturation:Number> is within -20 to 20.

<B brightness:Number> is within -20 to 20.

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) When 6-axis adjustment is turned on, these settings are shown over the displayed image. However, the settings can be changed regardless of whether 6-axis adjustment is turned on or not.
- (2) This sets the currently selected input signal and image mode.

### Example

(Setting)

>6AXB=-8,5,3

< i:OK

(Reference)

> GET=6AXB

< g:6AXB=-8,5,3

Note: '>' indicates a command; '<' indicates a response.

## 6AXC

6-axis adjustment (cyan), hue/saturation/brightness

### Format

Setting	Command	6AXC=<C hue:Number>,<C saturation:Number>,<C brightness:Number>
	Response	i:OK
Reference	Command	GET=6AXC
	Response	g:6AXC=<C hue:Number>,<C saturation:Number>,<C brightness:Number>

Note: See "Error list" for any response other than the above.

<C hue:Number> is within -20 to 20.

<C saturation:Number> is within -20 to 20.

<C brightness:Number> is within -20 to 20.

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) When 6-axis adjustment is turned on, these settings are shown over the displayed image. However, the settings can be changed regardless of whether 6-axis adjustment is turned on or not.
- (2) This sets the currently selected input signal and image mode.

### Example

(Setting)

>6AXC=-8,5,3

< i:OK

(Reference)

> GET=6AXC

< g:6AXC=-8,5,3

Note: '>' indicates a command; '<' indicates a response.

## 6AXM

6-axis adjustment (magenta), hue/saturation/brightness

### Format

Setting	Command	6AXM=<M hue:Number>,<M saturation:Number>,<M brightness:Number>
	Response	i:OK
Reference	Command	GET=6AXM
	Response	g:6AXM=<M hue:Number>,<M saturation:Number>,<M brightness:Number>

Note: See "Error list" for any response other than the above.

<M hue:Number> is within -20 to 20.

<M saturation:Number> is within -20 to 20.

<M brightness:Number> is within -20 to 20.

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) When 6-axis adjustment is turned on, these settings are shown over the displayed image. However, the settings can be changed regardless of whether 6-axis adjustment is turned on or not.
- (2) This sets the currently selected input signal and image mode.

### Example

(Setting)

>6AXM=-8,5,3

< i:OK

(Reference)

> GET=6AXM

< g:6AXM=-8,5,3

Note: '>' indicates a command; '<' indicates a response.

## 6AXY

6-axis adjustment (yellow), hue/saturation/brightness

### Format

Setting	Command	6AXY=<Y hue:Number>,<Y saturation:Number>,<Y brightness:Number>
	Response	i:OK
Reference	Command	GET=6AXY
	Response	g:6AXY=<Y hue:Number>,<Y saturation:Number>,<Y brightness:Number>

Note: See "Error list" for any response other than the above.

<Y hue:Number> is within -20 to 20.

<Y saturation:Number> is within -20 to 20.

<Y brightness:Number> is within -20 to 20.

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) When 6-axis adjustment is turned on, these settings are shown over the displayed image. However, the settings can be changed regardless of whether 6-axis adjustment is turned on or not.
- (2) This sets the currently selected input signal and image mode.

### Example

(Setting)

>6AXY=-8,5,3

< i:OK

(Reference)

> GET=6AXY

< g:6AXY=-8,5,3

Note: '>' indicates a command; '<' indicates a response.

## AMBADJ

Ambient light correction adjustment ON/OFF

### Format

Setting	Command	AMBADJ=<Ambient light correction adjustment parameter:ID>
	Response	i:OK
Reference	Command	GET=AMBADJ
	Response	g:AMBADJ=<Ambient light correction adjustment parameter:ID>

Note: See "Error list" for any response other than the above.

< Ambient light correction adjustment parameter:ID >

Parameter	Meaning
ON	Adjusted
OFF	Turned off

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) Ambient light level and "Ambient light type" settings take effect on the displayed image when "Ambient light correction" is activated.  
To adjust the "Ambient light level" or "Ambient light type", use "AMBLEVEL" or "AMBTYP" command, respectively.
- (2) This sets the currently selected input signal and image mode.

### Example

(Control)

> AMBADJ=ON                      Sets the ambient light correction to ON.  
< i:OK

(Reference)

> GET=AMBADJ                      References the ambient light correction ON/OFF setting.  
< g:AMBADJ=ON

Note: '>' indicates a command; '<' indicates a response.

## AMBLEVEL

### Ambient light level settings

#### Format

Setting	Command	AMBLEVEL=<Ambient light level settings parameter:ID>
	Response	i:OK
Reference	Command	GET=AMBLEVEL
	Response	g: AMBLEVEL=<Ambient light level settings parameter:ID>

Note: See "Error list" for any response other than the above.

< Ambient light level settings parameter:ID >

Parameter	Meaning
WEAK	Ambient light level is set to weak.
STRONG	Ambient light level is set to strong.

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

>AMBLEVEL=WEAK

Sets the ambient light level to WEAK.

< i:OK

(Reference)

> GET=AMBLEVEL

References the ambient light level.

< g:AMBLEVEL=WEAK

Note: '>' indicates a command; '<' indicates a response.

## AMBTTYPE

### Ambient light type settings

#### Format

Setting	Command	AMBTTYPE=<Ambient light type settings parameter:ID>
	Response	i:OK
Reference	Command	GET=AMBTTYPE
	Response	g: AMBTTYPE=<Ambient light type settings parameter:ID>

Note: See "Error list" for any response other than the above.

< Ambient light type settings parameter:ID >

Parameter	Meaning
TG	Tungsten lamp
FL	Fluorescent lamp

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

>AMBTTYPE=FL                      Sets the ambient light type setting to "fluorescent lamp".  
< i:OK

(Reference)

> GET=AMBTTYPE                      References the ambient light type setting.  
< g:AMBTTYPE=FL

Note: '>' indicates a command; '<' indicates a response.



## ASELA1

Analog PC-1 audio terminal selection

### Format

Setting	Command	ASELA1=<Analog PC-1 audio terminal selection parameter:ID>
	Response	i:OK
Reference	Command	GET=ASELA1
	Response	g: ASELA1=<Analog PC-1 audio terminal selection parameter:ID>

Note: See "Error list" for any response other than the above.

< Analog PC-1 audio terminal selection parameter:ID>

Parameter	Meaning
1	Audio In 1
2	Audio In 2
OFF	Turned off

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>ASELA1=1

Sets the analog PC-1 audio terminal selection to "Audio In 1".

< i:OK

(Reference)

> GET=ASELA1

References the analog PC-1 audio terminal selection.

< g:ASELA1=1

Note: '>' indicates a command; '<' indicates a response.

## ASELA2

Analog PC-2 audio terminal selection

### Format

Setting	Command	ASELA2=<Analog PC-2 audio terminal selection parameter:ID>
	Response	i:OK
Reference	Command	GET=ASELA2
	Response	g:ASELA2=<Analog PC-2 audio terminal selection parameter:ID>

Note: See "Error list" for any response other than the above.

< Analog PC-2 audio terminal selection parameter:ID>

Parameter	Meaning
1	Audio In 1
2	Audio In 2
OFF	Turned off

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>ASELA2=1

Sets the analog PC-2 audio terminal selection to "Audio In 1".

< i:OK

(Reference)

> GET=ASELA2

References the analog PC-2 audio terminal selection.

< g:ASELA2=1

Note: '>' indicates a command; '<' indicates a response.

## ASELC

Component Audio input terminal selection

### Format

Setting	Command	ASELC=<Component audio terminal selection parameter:ID>
	Response	i:OK
Reference	Command	GET=ASELC
	Response	g:ASELC=<Component audio terminal selection parameter:ID>

Note: See "Error list" for any response other than the above.

< Component audio terminal selection parameter:ID>

Parameter	Meaning
1	Audio In 1
2	Audio In 2
OFF	Turned off

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>ASELC=1

Sets the component audio input terminal selection to "Audio In 1".

< i:OK

(Reference)

> GET=ASELC

References the component audio input terminal selection.

< g:ASELC=1

Note: '>' indicates a command; '<' indicates a response.

## ASELD

Digital PC Audio input terminal selection

### Format

Setting	Command	ASELD=<Digital PC audio terminal selection parameter:ID>
	Response	i:OK
Reference	Command	GET=ASELD
	Response	g:ASELD=<Digital PC audio terminal selection parameter:ID>

Note: See "Error list" for any response other than the above.

< Digital PC audio terminal selection parameter:ID>

Parameter	Meaning
1	Audio In 1
2	Audio In 2
OFF	Turned off

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>ASELD=1

Sets the digital PC audio input terminal selection to "Audio In 1".

< i:OK

(Reference)

> GET=ASELD

References the digital PC audio input terminal selection.

< g:ASELD=1

Note: '>' indicates a command; '<' indicates a response.

## ASELH

HDMI Audio input terminal selection

### Format

Setting	Command	ASELH=<HDMI audio terminal selection parameter:ID>
	Response	i:OK
Reference	Command	GET=ASELH
	Response	g:ASELH=<HDMI audio terminal selection parameter:ID>

Note: See "Error list" for any response other than the above.

< HDMI audio terminal selection parameter:ID>

Parameter	Meaning
H	HDMI audio
1	Audio In 1
2	Audio In 2
OFF	Turned off

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>ASELH=H                      Sets the HDMI audio input terminal selection to "HDMI audio".  
< i:OK

(Reference)

> GET=ASELH                      References the HDMI audio input terminal selection.  
< g:ASELH=H

Note: '>' indicates a command; '<' indicates a response.

## ASELHDBT

HDBaseT Audio input terminal selection

### Format

Setting	Command	ASELHDBT=<HDBaseT audio terminal selection parameter:ID>
	Response	i:OK
Reference	Command	GET=ASELHDBT
	Response	g: ASELHDBT=<HDBaseT audio terminal selection parameter:ID>

Note: See "Error list" for any response other than the above.

< HDBaseT audio terminal selection parameter:ID>

Parameter	Meaning
HDBT	HDBaseT audio
1	Audio In 1
2	Audio In 2
OFF	Turned off

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

> ASELHDBT=HDBT

Sets the HDBaseT audio input terminal selection to "HDBaseT audio".

< i:OK

(Reference)

> GET=ASELHDBT

References the HDBaseT audio input terminal selection.

< g:ASELHDBT=HDBT

Note: '>' indicates a command; '<' indicates a response.

## ASELL

### LAN audio input terminal selection

#### Format

Setting	Command	ASELL=<LAN audio terminal selection parameter:ID>
	Response	i:OK
Reference	Command	GET=ASELL
	Response	g:ASELL=<LAN audio terminal selection parameter:ID>

Note: See "Error list" for any response other than the above.

<LAN audio terminal selection parameter:ID>

Parameter	Meaning
L	LAN audio
1	Audio In 1
2	Audio In 2
OFF	Turned off

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Example

(Setting)

>ASELL=L

< i:OK

(Reference)

> GET=ASELL

< g:ASELL=L

Note: '>' indicates a command; '<' indicates a response.

## ASELU

### USB audio input terminal selection

#### Format

Setting	Command	ASELU=<USB audio terminal selection parameter:ID>
	Response	i:OK
Reference	Command	GET=ASELU
	Response	g:ASELU=<USB audio terminal selection parameter:ID>

Note: See "Error list" for any response other than the above.

#### <USB audio terminal selection parameter:ID>

Parameter	Meaning
1	Audio In 1
2	Audio In 2
OFF	Turned off

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Example

(Setting)

>ASELU=1

< i:OK

(Reference)

> GET=ASELU

< g:ASELU=1

Note: '>' indicates a command; '<' indicates a response.



## ASPECT

Aspect ratio

### Format

Setting	Command	ASPECT=<Screen setting parameters:ID>
	Response	i:OK
Reference	Command	GET=ASPECT
	Response	g:ASPECT=<Screen setting parameters:ID>

Note: See "Error list" for any response other than the above.

< Screen setting parameters:ID >

Parameter	Meaning
AUTO	Auto
4:3	4:3
16:9	16:9
16:10	16:10
ZOOM	Zoom
TRUE	Real

### Environment

Power mode restriction									Input							
LAN						RS-232C										
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) Aspect setting may be automatically changed by other setting when the input terminal is changed or input signal is disturbed.

### Example

(Setting)

>ASPECT=16:10

< i:OK

(Reference)

> GET=ASPECT

< g:ASPECT=16:10

Note: '>' indicates a command; '<' indicates a response.

## AUTOPC

### Auto PC

#### Format

Setting	Command	AUTOPC
	Response	i:OK
Reference	Command	-
	Response	-

Note: See "Error list" for any response other than the above.

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		No	Yes	No	No	No	No	No	No

#### Remarks

- (1) Execution of this command may modify the following setting values.

- Total number of dots
- Tracking
- Horizontal/vertical positions
- Number of horizontal/vertical display dots

- (2) To verify changes in setting values, use the GET command with appropriate parameters.

For details, see the following GET commands.

Setting value	Reference command
Total number of dots	GET=DOTS
Tracking	GET=TRACK
Horizontal position	GET=HPOS
Vertical position	GET=VPOS
Number of horizontal display dots	GET=HPIX
Number of vertical display dots	GET=VPIX

#### Example

```
>AUTOPC
< i:OK
```

Note: '>' indicates a command; '<' indicates a response.

## AUTOSETEXE

### Auto setup

#### Format

Setting	Command	AUTOSETEXE=<Auto setup parameter:ID>
	Response	i:OK
Reference	Command	—
	Response	—

Note: See "Error list" for any response other than the above.

< Auto setup parameter:ID >

Parameter	Meaning
INPUT	Runs auto input

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Example

(Setting)

>AUTOSETEXE=INPUT

< i:OK

Note: '>' indicates a command; '<' indicates a response.

## AVOL

Audio volume adjustment

### Format

Setting	Command	AVOL=<Audio volume:Number>
	Response	i:OK
Reference	Command	GET= AVOL
	Response	g:AVOL=<Audio volume:Number>

Note: See "Error list" for any response other than the above.

Setting values for <Audio volume:Number> are 0 to 20.

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) Audio mute setting is canceled if audio volume is adjusted during audio mute.

### Example

(Setting)  
>AVOL=10  
< i:OK

(Reference)  
> GET=AVOL  
< g:AVOL=10

Note: '>' indicates a command; '<' indicates a response.

## BLANK

Screen blank

### Format

Setting	Command	BLANK=<BLANK parameter:ID>
	Response	i:OK
Reference	Command	GET=BLANK
	Response	g:BLANK=<BLANK parameter:ID>

Note: See "Error list" for any response other than the above.

< BLANK parameter:ID >

Parameter	Meaning
ON	BLANK ON
OFF	BLANK OFF

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) Executing this command in a FREEZE status will cancel the FREEZE status and become BLANK.

### Example

(Setting)

> BLANK=ON

< i:OK

(Reference)

> GET=BLANK

< g:BLANK=ON

Note: '>' indicates a command; '<' indicates a response.

## BRI

### Brightness setting

#### Format

Setting	Command	BRI=<Brightness setting:Number>
	Response	i:OK
Reference	Command	GET=BRI
	Response	g:BRI=<Brightness setting:Number>

Note: See "Error list" for any response other than the above.

Setting values for <Brightness setting:Number> are -20 to 20.

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

> BRI=3

< i:OK

(Reference)

> GET=BRI

< g:BRI=3

Note: '>' indicates a command; '<' indicates a response.

## COLOR\_TEMP

Color temperature setting

### Format

Setting	Command	COLOR_TEMP=<Color temperature setting:Number>
	Response	i:OK
Reference	Command	GET=COLOR_TEMP
	Response	g:COLOR_TEMP=<Color temperature setting:Number>

Note: See "Error list" for any response other than the above.

Setting values for <Color temperature setting:Number> are -17 to 21.

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This sets the currently selected input signal and image mode.

### Example

(Setting)

> COLOR\_TEMP=3

< i:OK

(Reference)

> GET=COLOR\_TEMP

< g:COLOR\_TEMP=3

Note: '>' indicates a command; '<' indicates a response.

## COMVER

### User command version inquiry

#### Format

Setting	Command	—
	Response	—
Reference	Command	GET=COMVER
	Response	g:COMVER="<User command version:Character string>

Note: See "Error list" for any response other than the above.

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) User command version consists of <2-digit number> and <4-digit number>.  
(Example "01.1234")

#### Example

```
> GET=COMVER
< g:COMVER="01.1234"
```

Note: '>' indicates a command; '<' indicates a response.



## CONT

### Contrast setting

#### Format

Setting	Command	CONT=<Contrast setting:Number>
	Response	i:OK
Reference	Command	GET=CONT
	Response	g:CONT=<Contrast setting:Number>

Note: See "Error list" for any response other than the above.

Setting values for <Contrast setting:Number> are -20 to 20.

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

> CONT=3

< i:OK

(Reference)

> GET=CONT

< g:CONT=3

Note: '>' indicates a command; '<' indicates a response.

## DGAMMA

### Dynamic gamma

#### Format

Setting	Command	DGAMMA=<Dynamic gamma setting parameter:ID>
	Response	i:OK
Reference	Command	GET=DGAMMA
	Response	g:DGAMMA=<Dynamic gamma setting parameter:ID>

Note: See "Error list" for any response other than the above.

< Dynamic gamma setting parameter:ID >

Parameter	Meaning
OFF	Turned off
WEAK	Weak
MIDDLE	Middle
STRONG	Strong

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

> DGAMMA=WEAK

< i:OK

(Reference)

> GET=DGAMMA

< g:DGAMMA=WEAK

Note: '>' indicates a command; '<' indicates a response.

## DZOOM\_POS

Zoom display position

### Format

Setting	Command	DZOOM_POS=<DZOOM position X:Number>,<DZOOM position Y:Number>
	Response	i:OK
Reference	Command	GET= DZOOM_POS
	Response	g:DZOOM_POS=<DZOOM position X:Number>,<DZOOM position Y:Number>

Note: See "Error list" for any response other than the above.

<DZOOM position X/Y:Number> is a signed integer indicating the central position of the enlarged input image.

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	No

### Remarks

- (1) This command is identical to pressing the arrow keys to move while DZOOM is enabled, however, the position can be specified in more detail.
- (2) If a position outside the range is specified, the position is automatically moved to the nearest position within the range.
- (3) 0 for <DZOOM position X/Y:Number> indicates the center position of the input image.
- (4) Positive direction for <DZOOM position X/Y:Number> corresponds to RIGHT and UP keys, and negative direction corresponds to LEFT and DOWN keys.
- (5) The numerical value for <DZOOM position X/Y:Number> represents units in pixels of the input image.  
 \* For example, in a case where an input image of XGA (1024 x 768) size is enlarged twice the size (range of 512 x 384 is displayed),!!!REMOVE BREAK!!!  
 up to  $\pm 256$  for <DZOOM position X:Number>, and up to  $\pm 192$  for <DZOOM position Y:Number> can be specified.

### Example

(Control)

> DZOOM\_POS=100,200

< i:OK

(Reference)

> GET=DZOOM\_POS

< g:DZOOM\_POS=100,200

Note: '>' indicates a command; '<' indicates a response.

## DZOOM\_RAT

Zoom display ratio

### Format

Setting	Command	DZOOM_RAT=<DZOOM ratio parameter:ID>
	Response	i:OK
Reference	Command	GET=DZOOM_RAT
	Response	g: DZOOM_RAT=<DZOOM ratio parameter:ID>

Note: See "Error list" for any response other than the above.

< DZOOM ratio parameter:ID >

Parameter	Meaning
1	same size (DZOOM disabled)
1.5	1.5x
2	2x
3	3x
4	4x
5	5x
6	6x
8	8x
10	10x
12	12x

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	No

### Remarks

- (1) If DZOOM is disabled and the zoom ratio is set to a value other than "1", DZOOM is enabled, and the ratio is displayed in the lower right of the screen.
- (2) If DZOOM is enabled and the zoom ratio is set to "1", DZOOM is disabled, and the ratio disappears from the lower right of the screen.

### Example

(Control)

> DZOOM\_RAT=12

< i:OK

(Reference)

> GET=DZOOM\_RAT

< g:DZOOM\_RAT=12

Note: '>' indicates a command; '<' indicates a response.

## ERR

### Error information inquiry

#### Format

Setting	Command	—
	Response	—
Reference	Command	GET=ERR
	Response	g:ERR=<ErrorID:Character string>

Note: See "Error list" for any response other than the above.

#### <ErrorID:Character string>

Parameter	Meaning
NO_ERROR	No error
ABNORMAL_TEMPERATURE	Temperature error
FAULTY_LAMP	Lamp error
FAULTY_LAMP_COVER	Lamp cover error
FAULTY_COOLING_FAN	Cooling fan error
FAULTY_POWER_SUPPLY	Power supply error
FAULTY_AIR_FILTER	Air filter error
FAULTY_POWER_ZOOM	ズーム異常
FAULTY_POWER_FOCUS	フォーカス異常
FAULTY_POWER_LENS_SHIFT	レンズシフト異常
FAULTY_LENS_CONNECTOR	レンズコネクタ異常

#### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- Information when the warning LED of the projector is flashing can be obtained.  
NO\_ERROR is returned when the warning LED is not lighted.

#### Example

```
>GET=ERR
< g:ERR=FAULTY_LANP
```

Note: '>' indicates a command; '<' indicates a response.

## FINE\_GAMMA\_R

Fine gamma (R)

### Format

Setting	Command	FINE_GAMMA_R=<Fine gamma (R) adjustment point 1 adjustment value:Number>,<Fine gamma (R) adjustment point 2 adjustment value:Number>, . . . ,<Fine gamma (R) adjustment point n adjustment value:Number>
	Response	i:OK
Reference	Command	GET=FINE_GAMMA_R
	Response	g: FINE_GAMMA_R=<Fine gamma (R) adjustment point 1 adjustment value:Number>,<Fine gamma (R) adjustment point 2 adjustment value:Number>, . . . ,<Fine gamma (R) adjustment point n adjustment value:Number>

Note: See "Error list" for any response other than the above.

Adjustment values for <Fine gamma (R) adjustment point n adjustment value:Number> are 0 to 1024.

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This sets the currently selected input signal and image mode.
- (2) In the projector menu, the difference between adjustment point 1 and adjustment point 9 is controlled so that it is 128 or greater, but this limitation does not apply to settings specified from user commands.

### Example

(Setting)

```
> FINE_GAMMA_R=0,128,256,384,512,640,768,896,1024
< i:OK
```

(Reference)

```
> GET=FINE_GAMMA_R
< g: FINE_GAMMA_R=9:0,128,256,384,512,640,768,896,1024
```

Note: '>' indicates a command; '<' indicates a response.

## FINE\_GAMMA\_G

Fine gamma (G)

### Format

Setting	Command	FINE_GAMMA_G=<Fine gamma (G) adjustment point 1 adjustment value:Number>,<Fine gamma (G) adjustment point 2 adjustment value:Number>, . . . ,<Fine gamma (G) adjustment point n adjustment value:Number>
	Response	i:OK
Reference	Command	GET=FINE_GAMMA_G
	Response	g: FINE_GAMMA_G=<Fine gamma (G) adjustment point 1 adjustment value:Number>,<Fine gamma (G) adjustment point 2 adjustment value:Number>, . . . ,<Fine gamma (G) adjustment point n adjustment value:Number>

Note: See "Error list" for any response other than the above.

Adjustment values for <Fine gamma (R) adjustment point n adjustment value:Number> are 0 to 1024.

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This sets the currently selected input signal and image mode.
- (2) In the projector menu, the difference between adjustment point 1 and adjustment point 9 is controlled so that it is 128 or greater, but this limitation does not apply to settings specified from user commands.

### Example

(Setting)

```
> FINE_GAMMA_G=0,128,256,384,512,640,768,896,1024
< i:OK
```

(Reference)

```
> GET=FINE_GAMMA_G
< g: FINE_GAMMA_G=9:0,128,256,384,512,640,768,896,1024
```

Note: '>' indicates a command; '<' indicates a response.

## FINE\_GAMMA\_B

Fine gamma (B)

### Format

Setting	Command	FINE_GAMMA_B=<Fine gamma (B) adjustment point 1 adjustment value:Number>,<Fine gamma (B) adjustment point 2 adjustment value:Number>, . . . ,<Fine gamma (B) adjustment point n adjustment value:Number>
	Response	i:OK
Reference	Command	GET=FINE_GAMMA_B
	Response	g: FINE_GAMMA_B=<Fine gamma (B) adjustment point 1 adjustment value:Number>,<Fine gamma (B) adjustment point 2 adjustment value:Number>, . . . ,<Fine gamma (B) adjustment point n adjustment value:Number>

Note: See "Error list" for any response other than the above.

Adjustment values for <Fine gamma (R) adjustment point n adjustment value:Number> are 0 to 1024.

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This sets the currently selected input signal and image mode.
- (2) In the projector menu, the difference between adjustment point 1 and adjustment point 9 is controlled so that it is 128 or greater, but this limitation does not apply to settings specified from user commands.

### Example

(Setting)

```
> FINE_GAMMA_B=0,128,256,384,512,640,768,896,1024
< i:OK
```

(Reference)

```
> GET=FINE_GAMMA_B
< g: FINE_GAMMA_B=9:0,128,256,384,512,640,768,896,1024
```

Note: '>' indicates a command; '<' indicates a response.



## FLTWRN

Air filter cleaning warning

### Format

Setting	Command	FLTWRN=<Filter warning parameter:ID>
	Response	i:OK
Reference	Command	GET= FLTWRN
	Response	g: FLTWRN=<Filter warning parameter:ID>

Note: See "Error list" for any response other than the above.

FLTWRN=<Filter warning parameter:ID>

Parameter	Meaning
OFF	Turned off
ON	Turned on

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>FLTWRN=OFF

< i:OK

(Reference)

>GET=FLTWRN

< g:FLTWRN=OFF

Note: '>' indicates a command; '<' indicates a response.

## FNBND

[Fn] button setting

### Format

Setting	Command	FNBND=<[Fn] button setting parameter :ID>
	Response	i:OK
Reference	Command	GET= FNBND
	Response	g: FNBND=<[Fn] button setting parameter :ID>

Note: See "Error list" for any response other than the above.

<[Fn] button setting parameter :ID>

Parameter	Meaning
DISABLE	Disabled
SPLT	Split screen

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>FNBND=SPLT

< i:OK

(Reference)

>GET=FNBND

< g:FNBND=SPLT

Note: '>' indicates a command; '<' indicates a response.

## FREEZE

Screen freeze

### Format

Setting	Command	FREEZE=<FREEZE parameter:ID>
	Response	i:OK
Reference	Command	GET= FREEZE
	Response	g: FREEZE=<FREEZE parameter:ID>

Note: See "Error list" for any response other than the above.

< FREEZE parameter:ID >

Parameter	Meaning
ON	On
OFF	Off

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	No

### Example

(Setting)

>FREEZE=ON

< i:OK

(Reference)

>GET=FREEZE

< g:FREEZE=ON

Note: '>' indicates a command; '<' indicates a response.

#### Response When There Is No Input Signal

- "No" is returned when there is no input signal to indicate that the screen does not become a frozen when there is no input signal.
- "i:OK" is returned when there is no input signal since the state does not become an OFF state even by executing "FREEZE=OFF".

## GAMMA

### Gamma adjustment

#### Format

Setting	Command	GAMMA=<Gamma adjustment:Number>
	Response	i:OK
Reference	Command	GET=GAMMA
	Response	g: GAMMA=<Gamma adjustment:Number>

Note: See "Error list" for any response other than the above.

Setting values for <Gamma adjustment: Number> are -10 to 10.

#### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

>GAMMA=-1

< i:OK

(Reference)

>GET=GAMMA

< g:GAMMA=-1

Note: '>' indicates a command; '<' indicates a response.

## HDMI\_IN

### HDMI input setting

#### Format

Setting	Command	HDMI_IN=<HDMI input setting parameter:ID>
	Response	i:OK
Reference	Command	GET= HDMI_IN
	Response	g: HDMI_IN=<HDMI input setting parameter:ID>

Note: See "Error list" for any response other than the above.

< HDMI input setting parameter:ID >

Parameter	Meaning
AUTO	Enabled when an AV device is connected.
PC	Enabled when a computer is connected.

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Example

(Setting)

>HDMI\_IN=AUTO

< i:OK

(Reference)

>GET=HDMI\_IN

< g:HDMI\_IN=AUTO

Note: '>' indicates a command; '<' indicates a response.

## HTMPINF

High temperature caution display

### Format

Setting	Command	HTMPINF=<High temperature caution display setting parameter:ID>
	Response	i:OK
Reference	Command	GET= HTMPINF
	Response	g:HTMPINF=<High temperature caution display setting parameter:ID>

Note: See "Error list" for any response other than the above.

<High temperature caution display setting parameter:ID>

Parameter	Meaning
ON	Turned on
OFF	Turned off

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>HTMPINF=ON

< i:OK

(Reference)

>GET=HTMPINF

< g:HTMPINF=ON

Note: '>' indicates a command; '<' indicates a response.

## HUE

### Hue setting

#### Format

Setting	Command	HUE=<Hue setting value:Number>
	Response	i:OK
Reference	Command	GET= HUE
	Response	g:HUE=<Hue setting value:Number>

Note: See "Error list" for any response other than the above.

Setting values for <Hue setting value:Number> are -20 to 20.

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

>HUE=8

< i:OK

(Reference)

>GET=HUE

< g:HUE=1

Note: '>' indicates a command; '<' indicates a response.

## IMAGE

### Image mode setting

#### Format

Setting	Command	IMAGE=<Image mode setting parameter:ID>
	Response	i:OK
Reference	Command	GET= IMAGE
	Response	g: IMAGE=<Image mode setting parameter:ID>

Note: See "Error list" for any response other than the above.

<Image mode setting parameter:ID>

Parameter	Meaning
STANDARD	Standard
PRESENTATION	Presentation
VIVID_PHOTO	Vivid/Photo
PHOTO_SRGB	Photo/sRGB
DYNAMIC	Dynamic
VIDEO	Video
CINEMA	Cinema
USER_1	User 1
USER_2	User 2
USER_3	User 3
USER_4	User 4
USER_5	User 5

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) When Image Mode setting is changed, the following set of setting items are reapplied as these sets are unique to the individual image modes.

#### Example

(Setting)

>IMAGE=STANDARD

< i:OK

(Reference)

>GET=IMAGE

< g:IMAGE=STANDARD

Note: '>' indicates a command; '<' indicates a response.



## IMAGEFLIP

Flip display

### Format

Setting	Command	IMAGEFLIP=<Image flip setting parameters:ID>
	Response	i:OK
Reference	Command	GET= IMAGEFLIP
	Response	g: IMAGEFLIP=<Image flip setting parameters:ID>

Note: See "Error list" for any response other than the above.

< Image flip setting parameters:ID >

Parameter	Meaning
NONE	None
CEILING	Ceiling mount (upside down and right side left)
REAR	Rear (right side left)
REAR_CEILING	Rear, ceiling mount (upside down)

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) When the display is flipped, the "keystone distortion" settings are initialized.

### Example

(Setting)

>IMAGEFLIP=REAR

< i:OK

(Reference)

>GET=IMAGEFLIP

< g:IMAGEFRIP=REAR\_CEILING

Note: '>' indicates a command; '<' indicates a response.

## INPUT

### Input signal selection

#### Format

Setting	Command	INPUT=<Input selection parameters:ID>
	Response	i:OK
Reference	Command	GET= INPUT
	Response	g: INPUT=<Input selection parameters:ID>

Note: See "Error list" for any response other than the above.

< Image flip setting parameters:ID >

Parameter	Meaning
HDMI	HDMI
D-RGB	Digital PC
A-RGB1	Analog PC-1
A-RGB2	Analog PC-2
COMP	Component
LAN	LAN
USB	USB
HDBT	HDBaseT

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Example

(Setting)

>INPUT=D-RGB

< i:OK

(Reference)

>GET=INPUT

< g:INPUT=D-RGB

Note: '>' indicates a command; '<' indicates a response.

## KREP

Key repeat

### Format

Setting	Command	KREP=<Key repeat parameter:ID>
	Response	i:OK
Reference	Command	GET=KREP
	Response	g:KREP=<Key repeat parameter:ID>

Note: See "Error list" for any response other than the above.

< Key repeat parameter:ID>

Parameter	Meaning
OFF	Turned off
ON	Turned on

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>KREP=OFF

< i:OK

(Reference)

>GET=KREP

< g:KREP=OFF

Note: '>' indicates a command; '<' indicates a response.

## LAMP

### Lamp mode

#### Format

Setting	Command	LAMP=<Lamp output setting parameters:ID>
	Response	i:OK
Reference	Command	GET=LAMP
	Response	g:LAMP=<Lamp output setting parameters:ID>

Note: See "Error list" for any response other than the above.

< Lamp output setting parameters:ID >

Parameter	Meaning
FULL	Full power
ECO	Eco

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

>LAMP=ECO

< i:OK

(Reference)

>GET=LAMP

< g:LAMP=ECO

Note: '>' indicates a command; '<' indicates a response.

## LAMPCOUNTER

### Lamp counter inquiry

#### Format

Setting	Command	-
	Response	-
Reference	Command	GET=LAMPCOUNTER
	Response	g:LAMPCOUNTER="<Lamp ON time:Character string>

Note: See "Error list" for any response other than the above.

#### < Lamp ON time:Character string >

Lamp counter	ON time:H
"[G_____]"	0 to 539
"[GG_____]"	540 to 1079
"[GGG_____]"	1080 to 1619
"[GGGG_____]"	1620 to 2159
"[GGGGG_____]"	2160 to 2699
"[GGGGGY_]_"	2700 to 2849
"[GGGGGY_Y_]_"	2850 to 2999
"[GGGGGY_YR]_"	3000 to

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Example

```
>GET=LAMPCOUNTER
< g:LAMPCOUNTER="[GG_____]"
```

Note: '>' indicates a command; '<' indicates a response.

## LMPWRN

Lamp replacement warning display

### Format

Setting	Command	LMPWRN=<Lamp warning parameter:ID>
	Response	i:OK
Reference	Command	GET=LMPWRN
	Response	g: LMPWRN=<Lamp warning parameter:ID>

Note: See "Error list" for any response other than the above.

< Lamp warning parameter:ID>

Parameter	Meaning
OFF	Turned off
ON	Turned on

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>LMPWRN=OFF

< i:OK

(Reference)

>GET=LMPWRN

< g:LMPWRN

Note: '>' indicates a command; '<' indicates a response.

## LPOSLD

Lens-position load

### Format

Setting	Command	LPOSLD=<Lens-position load setting parameter: ID>
	Response	i:OK
Reference	Command	-
	Response	-

Note: See "Error list" for any response other than the above.

<Lens-position load setting parameter: ID>

Parameter	Meaning
1	Position load 1
2	Position load 2
3	Position load 3

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This parameter cannot be set when position save has not been executed.
- (2) This is not a user command to execute position save. Execute it from the menu.

### Example

```
>LPOSLD=1
< i:OK
```

Note: '>' indicates a command; '<' indicates a response.

## MAIN

### Unit control panel emulation

#### Format

Setting	Command	MAIN=<Side control emulation button parameters:ID>
	Response	i:OK
Reference	Command	-
	Response	-

Note: See "Error list" for any response other than the above.

#### < Side control emulation button parameters:ID >

Parameter	Meaning	
	Operation	Remarks
POWER	POWER	
POWER_OFF	-	Power OFF
MENU	MENU	
LENS	LENS	
INPUT	INPUT	
UP	UP	
UP+REP		Button press start
DOWN	DOWN	
DOWN +REP		Button press start
LEFT	LEFT	
LEFT +REP		Button press start
RIGHT	RIGHT	
RIGHT +REP		Button press start
OK	OK	
*-REP	-	Button press end

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Power mode restriction													Input							
LAN					WiFi					RS-232C										
SL0	SL1	SL3	PM	ON	SL0	SL1	SL3	PM	ON	ST	PM	ON	D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- Parameters with "+REP" indicates "Button press start" (same state as when the front panel button is held down). Be absolutely sure to send the '\*-REP' parameter, and end the button pressing last of all.

The button pressing is ended in the cases below as well.

When buttons on the panel or the remote are operated

When some command has been received



- (2) When ceiling mount setting is made, functions of UP/DOWN/LEFT/RIGHT buttons on the unit control panel are reversed. But the "MAIN" command's UP/DOWN/LEFT/RIGHT are unaffected and always work in the same way as when installed on the floor.
- (3) Adjust the time between each button press using the application.
- (4) When a button press request is accepted properly, the projector returns "i:OK" even when the function is inexecutable.
- (5) When a button press request is accepted properly, the projector will behave in the same manner as when the button on the unit control panel is pressed.
- (6) All parameters except "Power" are invalid during standby mode.

#### ■ Example

(Setting)

>MAIN=MENU

< i:OK

Note: '>' indicates a command; '<' indicates a response.

## MEMF

Memory color adjustment (flesh)

### Format

Setting	Command	MEMF=<Memory color adjustment parameter:ID>
	Response	i:OK
Reference	Command	GET=MEMF
	Response	g:MEMF=<Memory color adjustment parameter:ID>

Note: See "Error list" for any response other than the above.

< Memory color adjustment parameter:ID >

Parameter	Meaning
OFF	Turned off
WEAK	Weak
MIDDLE	Middle
STRONG	Strong

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

(3) This sets the currently selected input signal and image mode.

### Example

(Control)

>MEMF=MIDDLE

< i:OK

(Reference)

> GET=MEMF

< g:MEMF=MIDDLE

Note: '>' indicates a command; '<' indicates a response.

## MEMG

Memory color adjustment (green)

### Format

Setting	Command	MEMG=<Memory color adjustment parameter:ID>
	Response	i:OK
Reference	Command	GET=MEMG
	Response	g:MEMG=<Memory color adjustment parameter:ID>

Note: See "Error list" for any response other than the above.

< Memory color adjustment parameter:ID >

Parameter	Meaning
OFF	Turned off
WEAK	Weak
MIDDLE	Middle
STRONG	Strong

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This sets the currently selected input signal and image mode.

### Example

(Control)

>MEMG=MIDDLE

< i:OK

(Reference)

> GET=MEMG

< g:MEMG=MIDDLE

Note: '>' indicates a command; '<' indicates a response.

## MEMS

Memory color adjustment (sky)

### Format

Setting	Command	MEMS=<Memory color adjustment parameter:ID>
	Response	i:OK
Reference	Command	GET=MEMS
	Response	g:MEMS=<Memory color adjustment parameter:ID>

Note: See "Error list" for any response other than the above.

< Memory color adjustment parameter:ID >

Parameter	Meaning
OFF	Turned off
WEAK	Weak
MIDDLE	Middle
STRONG	Strong

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This sets the currently selected input signal and image mode.

### Example

(Control)

>MEMS=MIDDLE

< i:OK

(Reference)

> GET=MEMS

< g:MEMS=MIDDLE

Note: '>' indicates a command; '<' indicates a response.

## MUTE

### Mute control

#### Format

Setting	Command	MUTE=<Mute control parameter:ID>
	Response	i:OK
Reference	Command	GET=MUTE
	Response	g:MUTE=<Mute control parameter:ID>

Note: See "Error list" for any response other than the above.

< Mute control parameter:ID>

Parameter	Meaning
ON	Disables the audio/beep sound.
OFF	Enables the audio/beep sound.

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) Mute setting is always set to "OFF" after the projector is turned on.
- (2) Audio mute is canceled if audio volume is adjusted when audio mute is enabled.

#### Example

(Setting)

>MUTE=ON

< i:OK

(Reference)

> GET=MUTE

< g:MUTE=ON

Note: '>' indicates a command; '<' indicates a response.

## NR

### Random noise reduction

#### Format

Setting	Command	NR=<Random noise reduction setting parameter:ID>
	Response	i:OK
Reference	Command	GET=NR
	Response	g: NR=<Random noise reduction setting parameter:ID>

Note: See "Error list" for any response other than the above.

<Random noise reduction setting parameter:ID>

Parameter	Meaning
OFF	Turned off
WEAK	Weak
MIDDLE	Middle
STRONG	Strong

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	No	No	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

>NR=MIDDLE

< i:OK

(Reference)

> GET=NR

< g:NR=MIDDLE

Note: '>' indicates a command; '<' indicates a response.

## NRMPG

### MPEG noise reduction

#### Format

Setting	Command	NRMPG=<MPEG noise reduction setting parameter:ID>
	Response	i:OK
Reference	Command	GET=NRMPG
	Response	g:NRMPG=<MPEG noise reduction setting parameter:ID>

Note: See "Error list" for any response other than the above.

< MPEG noise reduction setting parameter:ID >

Parameter	Meaning
OFF	Turned off
WEAK	Weak
MIDDLE	Middle
STRONG	Strong

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	No	No	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

>NRMPG=MIDDLE

< i:OK

(Reference)

> GET=NRMPG

< g:NRMPG=MIDDLE

Note: '>' indicates a command; '<' indicates a response.

## NRMSQT

Mosquito noise reduction

### Format

Setting	Command	NRMSQT=<Mosquito noise reduction setting parameter:ID>
	Response	i:OK
Reference	Command	GET=NRMSQT
	Response	g:NRMSQT=<Mosquito noise reduction setting parameter:ID>

Note: See "Error list" for any response other than the above.

<Mosquito noise reduction setting parameter:ID>

Parameter	Meaning
OFF	Turned off
WEAK	Weak
MIDDLE	Middle
STRONG	Strong

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		No	No	No	No	No	Yes	Yes	Yes

### Remarks

- (1) This sets the currently selected input signal and image mode.

### Example

(Setting)

>NRMSQT=MIDDLE

< i:OK

(Reference)

> GET=NRMSQT

< g:NRMSQT=MIDDLE

Note: '>' indicates a command; '<' indicates a response.



## OVSCAN

### Overscan setting

#### Format

Setting	Command	OVSCAN=<Overscan setting parameter:ID>
	Response	i:OK
Reference	Command	GET= OVSCAN
	Response	g:OVSCAN=<Overscan setting parameter:ID>

Note: See "Error list" for any response other than the above.

<Overscan setting parameter:ID>

Parameter	Meaning
OFF	Turns overscan to OFF
ON	Turns overscan to ON

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		No	No	No	Yes	Yes	No	No	Yes

#### Remarks

- (1) The setting is fixed to [OFF] depending on the setting status of other functions or the status of the input signal.

#### Example

(Setting)

> OVSCAN=ON

< i:OK

(Reference)

> GET=OVSCAN

< g:OVSCAN=ON

Note: '>' indicates a command; '<' indicates a response.

## POWER

### Power supply control

#### Format

Setting	Command	POWER=<power control parameter:ID>
	Response	i:OK
Reference	Command	GET= POWER
	Response	g: POWER = < Power mode parameter:ID >

Note: See "Error list" for any response other than the above.

#### < Power control parameter:ID >

Parameter	Meaning
ON	Power ON
OFF	Power OFF

#### < Power mode parameter:ID >

Parameter	Meaning
OFF	Power OFF
OFF2ON	OFF -> ON in transition
ON	Power ON
ON2OFF	ON -> OFF in transition
PMM	Lamp OFF
PMM2ON	Lamp OFF -> ON in transition
ON2OFF	ON -> OFF in transition

#### Environment

Power mode restriction									Input							
LAN						RS-232C										
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) Lamp Replacement Preparation, "Lamp Replacement Warning," and "Air Filter Cleaning Warning" are displayed for 10 seconds, regardless of whether the projector was started by the button or command.
- (2) Note that there are different parameters for the setting command and the reference command.

#### Example

(Control)

>POWER=ON

<i:OK

(Reference)

>GET=POWER

< g:POWER=OFF

Note: '>' indicates a command; '<' indicates a response.

## PRODCODE

Product name inquiry

### Format

Setting	Command	-
	Response	-
Reference	Command	GET= PRODCODE
	Response	g: PRODCODE="<Product name:Character string>

Note: See "Error list" for any response other than the above.

< Product name:Character string >

Parameter	Meaning
WUX6500	WUX6500

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

```
>GET=PRODCODE
< g:PRODCODE="WUX6500"
```

Note: '>' indicates a command; '<' indicates a response.

## RC

### Remote control operation emulate

#### Format

Setting	Command	RC=<Remote control emulation button parameters:ID>
	Response	i:OK
Reference	Command	-
	Response	-

Note: See "Error list" for any response other than the above.

#### < Remote control emulation button parameters:ID >

Parameter	Meaning	
	Operation	Remarks
POWER	POWER	
POWER_OFF	-	Power OFF
MENU	MENU	
EXIT	EXIT	
INPUT	INPUT	
DPC	DIGITAL	
APC1	ANALOG PC1	
APC2	ANALOG PC2	
HDMI	HDMI	
COMP	COMPONENT	
ASPECT	ASPECT	
AUTOPC	AUTOPC	
UP	UP	
UP+REP		Button press start
DOWN	DOWN	
DOWN+REP		Button press start
LEFT	LEFT	
LEFT+REP		Button press start
RIGHT	RIGHT	
RIGHT+REP		Button press start
OK	OK	
FOCUS	FOCUS	
ZOOM	ZOOM	
SHIFT	SHIFT	
TPTN	TEST PATTERN	
KEYSTONE	KEYSTONE	
NUM_0	0	
NUM_1	1	
NUM_2	2	
NUM_3	3	
NUM_4	4	
NUM_5	5	
NUM_6	6	
NUM_7	7	
NUM_8	8	
NUM_9	9	
DZOOM_P	DZOOM +	
DZOOM_P+REP		Button press start

DZOOM_M	DZOOM -	
DZOOM_M+REP		Button press start
VOL_P	VOL +	
VOL_P+REP	VOL +	Button press start
VOL_M	VOL -	
VOL_M+REP	VOL -	Button press start
MUTE	MUTE	
FN	FN	
IMAGE	IMAGE	
FREEZE	FREEZE	
BLANK	BLANK	
GAMMA	GAMMA	
SPLIT	SPLIT	
ECO	ECO	
*-REP	-	Button press end

## Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

## Remarks

- (1) A parameter with '+REP' signifies "button press start". (This is the same as the status in which the remote control button is held down.)  
When executing these commands, be sure to send '\*-REP' at the end to finish the button press.  
The button pressing is ended in the cases below as well.  
When buttons on the panel or the remote are operated  
When some command has been received
- (2) When a button press request is accepted properly, "i:OK" is returned.  
(without notifying the resulting execution of button operation)
- (3) When a button press request is accepted properly, the projector will behave in the same manner as when the remote key is pressed.

## Example

(Setting)  
>RC=POWER  
< i:OK

Note: '>' indicates a command; '<' indicates a response.

## RGBGAIN

RGB gain adjustment

### Format

Setting	Command	RGBGAIN=<R gain setting:Number>,<G gain setting:Number>,<B gain setting:Number>
	Response	i:OK
Reference	Command	GET=RGBGAIN
	Response	g:RGBGAIN=<R gain setting:Number>,<G gain setting:Number>,<B gain setting:Number>

Note: See "Error list" for any response other than the above.

Setting values for <R/G/B gain setting:Number> are -60 to 60.

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This sets the currently selected input signal and image mode.

### Example

(Setting)

>RGBGAIN=10,11,12

< i:OK

(Reference)

> GET=RGBGAIN

< g:RGBGAIN=-10,0,19

Note: '>' indicates a command; '<' indicates a response.

## RGBOFFSET

RGB offset adjustment

### Format

Setting	Command	RGBOFFSET=<R offset setting:Number>,<G offset setting:Number>,<B offset setting:Number>
	Response	i:OK
Reference	Command	GET=RGBOFFSET
	Response	g:RGBOFFSET=<R offset setting:Number>,<G offset setting:Number>,<B offset setting:Number>

Note: See "Error list" for any response other than the above.

Setting values for <R/G/B offset setting:Number> are -60 to 60.

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This sets the currently selected input signal and image mode.

### Example

(Setting)

>RGBOFFSET=10,11,12

< i:OK

(Reference)

> GET=RGBOFFSET

< g:RGBOFFSET=-10,0,19

Note: '>' indicates a command; '<' indicates a response.

## ROMVER

Firmware version inquiry

### Format

Setting	Command	-
	Response	-
Reference	Command	GET=ROMVER
	Response	g:ROMVER="<ROM version:Character string>

Note: See "Error list" for any response other than the above.

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

```
> GET=ROMVER
< g:ROMVER="01.234567_12345"
```

Note: '>' indicates a command; '<' indicates a response.



## SAT

### Color saturation setting

#### Format

Setting	Command	SAT=<Color saturation setting value:Number>
	Response	i:OK
Reference	Command	GET=SAT
	Response	g:SAT=<Color saturation setting value:Number>

Note: See "Error list" for any response other than the above.

Setting values for <Color saturation setting value:Number> are -20 to 20.

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

>SAT=-10

< i:OK

(Reference)

> GET=SAT

< g:SAT=1

Note: '>' indicates a command; '<' indicates a response.

## SAVEIMGPROF

User memory creation/storage/deletion

### Format

Setting	Command	SAVEIMGPROF=<User memory save to parameter:ID>
	Response	i:OK
Reference	Command	GET=SAVEIMGPROF
	Response	g:SAVEIMGPROF=<Number of user memories>:<User 1 present parameter>,<User 2 present parameter>,<User 3 present parameter>,<User 4 present parameter>,<User 5 present parameter>'

Note: See "Error list" for any response other than the above.

< User memory save to parameter:ID >

Parameter	Meaning
USER_1	Save to User 1
USER_2	Save to User 2
USER_3	Save to User 3
USER_4	Save to User 4
USER_5	Save to User 5
DEL_ALL	Delete all User memory

< User memory presence parameter:ID >

Parameter	Meaning
0	User memory not created
1	User memory created

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>SAVEIMGPROF=USER\_2

< i:OK

(Reference)

> GET=SAVEIMGPROF

< g:SAVEIMGPROF=5:1,0,1,0,0

Note: '>' indicates a command; '<' indicates a response.

## SCRNASPECT

### Screen aspect setting

#### Format

Setting	Command	SCRNASPECT=<Screen aspect setting parameter:ID>
	Response	i:OK
Reference	Command	GET=SCRNASPECT
	Response	g:SCRNASPECT=<Screen aspect setting parameter:ID>

Note: See "Error list" for any response other than the above.

< User memory save to parameter:ID >

Parameter	Meaning
16:10	16:10
16:9	16:9
4:3	4:3
16:9_DIS	16:9 digital image shift
4:3_DIS	4:3 digital image shift

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Example

(Setting)

>SCRNASPECT=16:10

< i:OK

(Reference)

> GET=SCRNASPECT

< g:SCRNASPECT=16:10

Note: '>' indicates a command; '<' indicates a response.

## SHARP

### Sharpness setting

#### Format

Setting	Command	SHARP=<Sharpness setting:Number>
	Response	i:OK
Reference	Command	GET=SHARP
	Response	g:SHARP=<Sharpness setting:Number>

Note: See "Error list" for any response other than the above.

Setting values for <Sharpness setting:Number> are -10 to 10.

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Remarks

- (1) This sets the currently selected input signal and image mode.

#### Example

(Setting)

>SHARP=3

< i:OK

(Reference)

> GET=SHARP

< g:SHARP=3

Note: '>' indicates a command; '<' indicates a response.

## SIGMSG

Input status display

### Format

Setting	Command	SIGMSG=<Input status display setting parameter:ID>
	Response	i:OK
Reference	Command	GET=SIGMSG
	Response	g:SIGMSG=<Input status display setting parameter:ID>

Note: See "Error list" for any response other than the above.

<Input status display setting parameter:ID>

Parameter	Meaning
ON	Turned on
OFF	Turned off

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Example

(Setting)

>SIGMSG=ON

< i:OK

(Reference)

> GET=SIGMSG

< g:SIGMSG=ON

Note: '>' indicates a command; '<' indicates a response.

## SIGNAL\_INFO

Displayed signal information inquiry

### Format

Setting	Command	-
	Response	-
Reference	Command	GET=SIGNAL_INFO
	Response	g:SIGNAL_INFO="<Input signal information:Character string>

Note: See "Error list" for any response other than the above.

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) For USB or LAN, g:SIGNAL\_INFO="" is returned even when an image is displayed.
- (2) e:1011 FUNCTION\_NOT\_AVAILABLE is returned while a test pattern is displayed.

### Example

```
> GET=SIGNAL_INFO
< g:SIGNAL_INFO="1920 x 1200 60"
```

Note: '>' indicates a command; '<' indicates a response.

## SIGNALSTATUS

Signal detection inquiry

### Format

Setting	Command	-
	Response	-
Reference	Command	GET=SIGNALSTATUS
	Response	g:SIGNALSTATUS=<Signal status:ID>

Note: See "Error list" for any response other than the above.

< Signal status parameter:ID >

Parameter	Meaning
NO_SIGNAL	Signal not detected
DISPLAYING	Image now displayed or display enable status
SETTING	Signal detection or display preparation in progress

### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This returns the signal status of the selected input.
- (2) e:1011 FUNCTION\_NOT\_AVAILABLE is returned during BLANK.

### Example

```
> GET=SIGNALSTATUS
< g:SIGNALSTATUS=NO_SIGNAL
```

Note: '>' indicates a command; '<' indicates a response.

## TEMP

Temperature sensor value inquiry

### Format

Setting	Command	-
	Response	-
Reference	Command	GET=TEMP
	Response	g:TEMP=<Number of sensors>,<Sensor 1 value>,...,<Sensor n value>

Note: See "Error list" for any response other than the above.

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) There are cases when number of sensors is 0. In this case, there will not be a comma.

### Example

> GET=TEMP  
< g:TEMP=5,28.5,53.3,53.3,53.3,33.0

Note: '>' indicates a command; '<' indicates a response.



## TPTN

### Test pattern

#### Format

Setting	Command	TPTN=<Test pattern parameter:ID>
	Response	i:OK
Reference	Command	GET=TPTN
	Response	g:TPTN=<Test pattern parameter:ID>

Note: See "Error list" for any response other than the above.

#### < Test pattern parameter:ID>

Parameter	Meaning
OFF	Turned off
CB1	Color bar
SSH1	Stair step H No.1
SSH2	Stair step H No.2
SSH3	Stair step H No.3
SSV1	Stair step V No.1
SSV2	Stair step V No.2
SSV3	Stair step V No.3
RTF1	Raster 100% White
RTF2	Raster 100% Red
RTF3	Raster 100% Green
RTF4	Raster 100% Blue
RTH1	Raster 50% White
RTH2	Raster 50% Red
RTH3	Raster 50% Green
RTH4	Raster 50% Blue
SSC1	Stair step color
CKR1	Checker No.1
CKR2	Checker No.2
MUL1	Multi No.1
MUL2	Multi No.2
CHR1	Character
FCS1	Focus
BDR1	Border
CRS1	Cross hatch 8 divided
CRS2	Cross hatch 12 divided
CRS3	Cross hatch 4 divided

#### Environment

Power mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

#### Example

```
(Setting)
> TPTN=OFF
< i:OK
```

(Reference)

> GET=TPTN

< g:TPTN=OFF

Note: '>' indicates a command; '<' indicates a response.

## ZSCLR

Zoom

### Format

Setting	Command	ZSCLR=<Zoom setting value: Numerical value>
	Response	i:OK
Reference	Command	GET=ZSCLR
	Response	g:ZSCLR=<Zoom setting value: Numerical value>

Note: See "Error list" for any response other than the above.

### Environment

Powe mode restriction									Input							
LAN					RS-232C											
SL0	SL1	SL3	PM	ON	ST	PM	ON		D-RGB	A-RGB	COMP	HDMI	HDBT	LAN	USB	None
No	No	No	No	Yes	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Remarks

- (1) This command can be used when a lens without optical zoom is mounted

### Example

(Setting)

> ZSCLR=-10

< i:OK

(Reference)

> GET=ZSCLR

< g:ZSCLR=-10

Note: '>' indicates a command; '<' indicates a response.

## 7. Error List

Response	Description	Reaction
i:OK	The command was successfully processed.	
e:0002 INVALID_COMMAND	The command was invalid (not defined), or the command format was incorrect.	Use a correct command or correct command format.
e:000A INVALID_PARAMETER	Argument (parameter) of the command is invalid.	Use a correct argument (parameter).
e:F001 SYSTEM	An internal error occurred.	Resend the command. Note: If the error persists after repeatedly resending the command with some intervals, turn off the projector and then disconnect and reconnect the power cord before resending the command.
e:0005 NOT_POWER_SUPPLIED	The power is off.	Send the command while the power is on.
i:BUSY	Cannot execute as the projector is undergoing internal processing.	Wait for a while, and resend the command.
e:1011 FUNCTION_NOT_AVAILABLE	The operation is currently invalid. The setting cannot be made in the current status.	Take one of the following actions: <ul style="list-style-type: none"> <li>Return the UI state to the usual projection mode, and then resend the command.</li> <li>Activate the function from the menu, and resend the command. (Commands may be deactivated by the related menu items.)</li> </ul>
e:201F INVALID_SIGNAL	Cannot execute with the current input signal.	Send the command when a different input signal is input.

## 8. Error Processing

