

Canon projector SX6/SX60/X600 User Commands

ver. 01.0100/05	2005.12.27
ver. 01.0100/04	2005.12.5
ver. 01.0100/03	2005.11.14
ver. 01.0100/02	2005.11.10
ver. 01.0100/01	2005.11.1

I. Version revision history

Numerical value	Date	Description of revised version	Where revised
01.0100/01	2005.11.01	Version first created.	
01.0100/02	2005.11.10	Version number of User Commands changed to "01.0100." Listing of the parameters for each command changed to the listing obtained by the "RANGE" command. "Character interval timeout" in communication specifications changed from 10ms to 5 seconds (timeout between CR and LF is 10ms). "GUID" in "User Command System" changed to "GUIDE." "GUID" in "Command List" changed to "GUIDE." Condition added to "RC/MAIN commands" as a condition for returning from power management standby in "Power Management Mode." "AUTOSETEXE" command changed from a "setting" command to a "control" command. "Auto screen color correction" of the "AUTOSETEXE" command changed to "automatic screen color correction." Error response information added in "Response" of the "AUTOSETEXE" command. Condition for disabling "INPUT" execution added to "Description" of the "AUTOSETEXE" command. The fact that the screen color correction (WB) is to be adjusted after executing automatic screen color correction added to "Description" of the "AUTOSETEXE" command. Support for the D-Video input of the SX6/SX60/X600 in the "Supported (command) states" of the "HPIX/VPIX" commands revised. Support for the SX6/SX60/X600 in the "Supported (command) states" of the "ASPECT" command revised. The fact that settings are to be performed by the system for the SX6/SX60/X600 added to the description of the "WBRGB" command. Support for no signals of the SX50 in the "Supported (command) states" of the "VKS/HKS" commands revised. "ZSTEPDRV," "ZCONTDRV," "FSTEPDRV" and "FCONTDRV" commands changed from "control" commands to "setting" commands. "GET ERR" removed from "(4) Zoom/focus stop commands" in the "ZCONTDRV" and "FCONTDRV" commands. Commands for responding normally while drive is maintained added in the "ZCONTDRV" and "FCONTDRV" commands. "GUID" parameter of "GET" command changed to "GUIDE." "NOSHOWSTATUS" parameter of "GET" command changed to "NOSHOWSTATE." Support for the D-Video of the SX6/SX60/X600 in the "Supported (command) states" of the "GET HPIX/VPIX" commands revised. Action to be taken when D-Video, SCART or none is applicable in the "Supported (command) states" of the "GET ASPECT" command revised. Action to be taken when no SX50 signals are provided in the "Supported (command) states" of the "GET VKS/HKS" commands revised. Description of the version information obtained by "GET COMVER" command added. "GUID" parameter of "RANGE" command changed to "GUIDE." Support for the local mode of the SX6/SX60/X600 in the "Supported (command) states" of the "RANGE POWER" command revised. Support for the local mode of the SX6/SX60/X600 in the "Supported (command) states" of the "RANGE INPUT" command revised. Support for the D-Video of the SX6/SX60/X600 in the "Supported (command) states" of the "RANGE HPIX/VPIX" commands revised. Action to be taken when D-Video, SCART or none is applicable in the "Supported (command) states" of the "RANGE ASPECT" command revised. Action to be taken when no SX50 signals are provided in the "Supported (command) states" of the "RANGE VKS/HKS" commands revised.	Entire document Entire document PAGE 2 PAGE 8 PAGE 12 PAGE 11 PAGE 12, 17 PAGE 17 PAGE 17 PAGE 17 PAGE 24 PAGE 26 PAGE 37 PAGE 48 PAGE 12,65~68 PAGE 66,68 PAGE 66,68 PAGE 72,115 PAGE 72,118 PAGE 80 PAGE 82 PAGE 101 PAGE 125 PAGE 126,170 PAGE 128 PAGE 131 PAGE 135 PAGE 137 PAGE 156
01.0100/03	2005.11.14	Pressing of POWER button added to the conditions for clearing BLANK of the "BLANK" command. Listing of the parameters in "Example" of the "RANGE ZSTEPDRV" command revised. Listing of the parameters in "Example" of the "RANGE ZCONTDRV" command revised. "INPUT_NOT_FOUND" added to "Error List."	PAGE 18 PAGE 173 PAGE 174 PAGE 177
01.0100/04	2005.12.05	The fact that the guide display is not cleared in "Remote mode" added. Support for the SX6/SX60/X600 in the "Supported (command) states" of the "ASPECT" command revised. Operation performed when "GUIDE-OFF" is received in "Remote mode" added. Processing to be undertaken for the "GET MODE" command in cases where zoom or focus lens drive is underway deleted. Processing to be undertaken for the "GET POWER" command in cases where zoom or focus lens drive is underway deleted. Support for the local mode of the SX6/SX60/X600 in the "Supported (command) states" of the "GET MUTE" command revised. Processing to be undertaken for the "GET LAMPCOUNTER" command in cases where zoom or focus lens drive is underway deleted. Processing to be undertaken for the "GET PRODCODE" command in cases where zoom or focus lens drive is underway deleted. Processing to be undertaken for the "GET ROMVER" command in cases where zoom or focus lens drive is underway deleted. Processing to be undertaken for the "GET COMVER" command in cases where zoom or focus lens drive is underway deleted.	PAGE 14 PAGE 26 PAGE 62 PAGE 73 PAGE 74 PAGE 103 PAGE 121 PAGE 123 PAGE 124 PAGE 125
01.0100/05	2005.12.27	In "2. Communication System," "Time out" described separately for SX50 and SX6/SX60/X600. Statuses of SX6/SX60/X600, TRUE and A-RGB1 in the "Supported (command) states" of the "ASPECT" command changed from "x" to "O." The fact that the response to the "ZCONTDRV" command in cases where zoom drive is underway is "unconditionally" i:BUSY clearly indicated. The fact that the response to the "FCONTDRV" command in cases where focus drive is underway is "unconditionally" i:BUSY clearly indicated. "BUSY (FOCUS)" and "BUSY (ZOOM)" priority levels raised.	PAGE 2 PAGE 26 PAGE 66 PAGE 68 PAGE 177

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1. Overview

- These specifications describe the methods of controlling the projector from the PC over an RS-232C connection
- Virtually all operations possible with the remote control can be controlled from the PC
- The following symbols are used in these specifications.

Symbol	Description
△	Space with 0 or more characters (20h), Tab (09h), or other separator
□	Space with 1 or more characters (20h), Tab (09h), or other separator
▽	Separator between parameters △, △ □
[]	The data in [] can be omitted.
	Same as OR
: =	The definition name is on the left side of this mark, and the definition description is on the right side.

2. Communication Specifications

Item	Specifications
Communication system	RS-232-C Start-stop synchronization Semi-duplex communication
Transmission speed	19.2Kbps
Character length	8 bits/character
Stop bit	2 bits
Parity	None
Transmission format	Variable-length record with terminal as delimiter
Maximum transmission length	Maximum of 256 characters (bytes) including delimiters
Delimiters	Delimiters are one of CR, LF, CR+LF, Null (0) (Delimiters are identified automatically.) Response delimiters are identical to command delimiters.
Transmission codes	ASCII code (General-purpose characters: 20h to 7Fh), Tab (09h) (Codes other than those above and delimiters are considered "other separator codes") Uppercase and lowercase of alphabetic characters are considered the same character. Double-byte characters and single-byte characters are not distinguished. All are considered <u>single-byte characters</u> .
Communication procedure	No procedure
Flow control	None
Error control	None
Break signal	Not supported
Time out	Tc Character interval : 10ms * For the SX50 : 5S (Timeout between CR and LF is 10ms.) * For the SX6, SX60 or X600 Tr Command/response interval: 10S

Connection Specifications

PC - Projector connection status

Item	Specifications
Connection system	PC: Connected on a "1:1" basis with the projector
Connection signal line	3-line connection of SD, RD, and SG
Connection cable	Dedicated cable The connection diagram is here.

Send data **SD** **SD** Send data
 Receive data **RD** **RD** Receive data
 Signal ground **SG** **SG** Signal ground

※ In the projector, none of the signal lines except for the three lines of SD, RD and SG are used!
 ※ If necessary, loop back its own signals at the PC side.

Control Mode

The projector has two control modes, the **local mode** and **remote mode**.
 Most user commands are used in **REMOTE mode**.
 The two modes are set by the REMOTE and LOCAL commands.

- Initial mode of projector
- The available user commands are limited.
- Except for RC and MAIN, all user commands are available in this mode.
- None of the remote control and main unit panel buttons except for POWER can be used.
- Control is switched to this mode by the REMOTE command.

Communication system

Communication between the PC and projector is performed by the projector responding by **sending a response** to the **command sent** from the PC.
 If AC power is supplied to the projector, communication is possible regardless of whether the power is on or off.

Commands Transmission format Type Null Control Setting Reference	Request transmissions sent from PC to the projector															
	Δ<Command character strings> Δ<Delimiters>															
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;"> <Command character strings> ----- <Delimiters> </td> <td style="padding: 2px;"> Character strings consisting of 0 or more alphanumeric characters ----- One of CR (0Dh), LF (0Ah), CR+LF (0Dh+0Ah), Null (00h) </td> <td style="width: 20%; text-align: right; padding: 2px;">Reference</td> <td style="width: 20%; text-align: right; padding: 2px;">Command List</td> </tr> </table>	<Command character strings> ----- <Delimiters>	Character strings consisting of 0 or more alphanumeric characters ----- One of CR (0Dh), LF (0Ah), CR+LF (0Dh+0Ah), Null (00h)	Reference	Command List											
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RANGE response	This is the settable range response for each parameter. <Range response character string> := r:<Parameter name>=<Type>, <Setting value range> ※ <For <Setting value range> refer to the RANGE command.																									

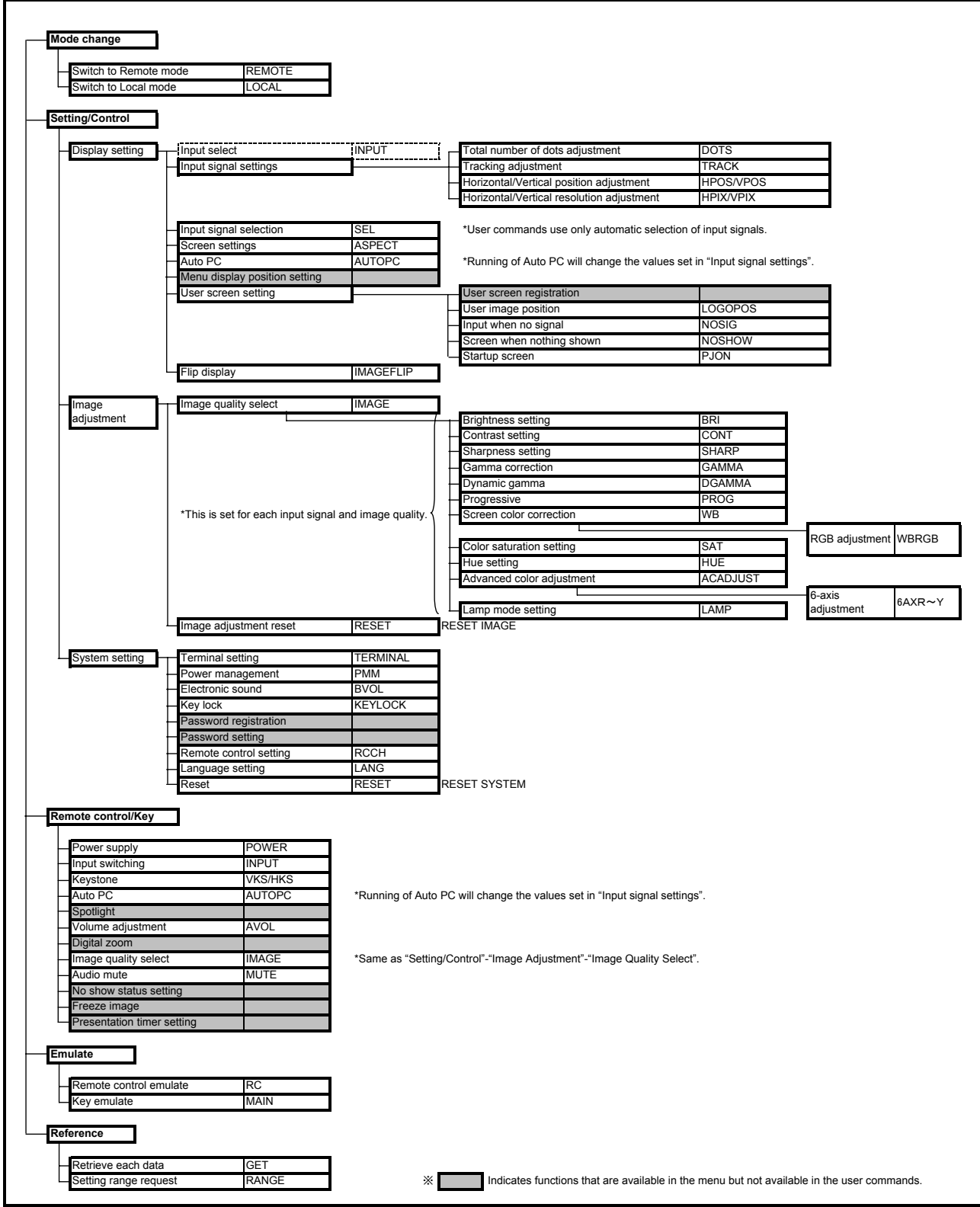
<p>Other Transmission recognition</p> <p>Parameter value Definition</p>	<p>Transmission is recognized when delimiter is received. Even if a maximum transmission length is received, the entire received transmission will be lost unless a delimiter is received.</p> <p>The <Parameter value> is defined as shown below.</p> <p><Parameter value>:=<Value 1>▽<Value 2>▽..▽<Value n> <Value> := <Numerical value> <ID> "<Character string>"</p> <p><Numerical value> := [<Sign>] <Decimal character string (Min. 1 character to Max. 5 characters)> The range of valid values is -32768 to 32767.</p> <p><ID> := 1 or more ASCII characters (20h to 7Fh)</p> <p><Character string> := 0 or more ASCII characters (20h to 7Fh)</p>																																																																		
<p>Cable</p>	<p>The connection diagram (example) for the cable connecting the PC and projector is shown below.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div data-bbox="347 533 810 1032"> <p style="text-align: center;">PC D-SUB 9pin FEMALE</p> <p style="text-align: center;">PJ MINI DIN 8pin MALE</p> </div> <div data-bbox="868 533 1315 1021"> <p>Sample 2</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">PC</th> <th style="width: 50%;">PJ</th> </tr> </thead> <tbody> <tr><td>SHIELD</td><td>SHIELD</td></tr> <tr><td>1 CD (DCD)</td><td>3 SD (TXD)</td></tr> <tr><td>2 RD (RXD)</td><td>5 RD (RXD)</td></tr> <tr><td>3 SD (TXD)</td><td>4 SG (GND)</td></tr> <tr><td>4 ER (DTR)</td><td></td></tr> <tr><td>5 SG (GND)</td><td></td></tr> <tr><td>6 DR (DSR)</td><td></td></tr> <tr><td>7 RS (RTS)</td><td></td></tr> <tr><td>8 CS (CTS)</td><td></td></tr> <tr><td>9 CI (RI)</td><td></td></tr> </tbody> </table> <p>Example of self-loopback connections when the "CS" and "DR" pins are used in the connector of the PC.</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;"> <div data-bbox="363 1048 842 1541"> <p>Sample 1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">PC</th> <th style="width: 50%;">PJ</th> </tr> </thead> <tbody> <tr><td>SHIELD</td><td>SHIELD</td></tr> <tr><td>1 CD (DCD)</td><td>3 SD (TXD)</td></tr> <tr><td>2 RD (RXD)</td><td>5 RD (RXD)</td></tr> <tr><td>3 SD (TXD)</td><td>4 SG (GND)</td></tr> <tr><td>4 ER (DTR)</td><td></td></tr> <tr><td>5 SG (GND)</td><td></td></tr> <tr><td>6 DR (DSR)</td><td></td></tr> <tr><td>7 RS (RTS)</td><td>2 NC</td></tr> <tr><td>8 CS (CTS)</td><td>1 RS(RTS)</td></tr> <tr><td>9 CI (RI)</td><td></td></tr> </tbody> </table> <p>Canon's standard cable is used for these connections. Do not use the "RS" pin in the connector of the PC!</p> </div> <div data-bbox="868 1048 1315 1541"> <p>Sample 3</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">PC</th> <th style="width: 50%;">PJ</th> </tr> </thead> <tbody> <tr><td>SHIELD</td><td>SHIELD</td></tr> <tr><td>1 CD (DCD)</td><td>3 SD (TXD)</td></tr> <tr><td>2 RD (RXD)</td><td>5 RD (RXD)</td></tr> <tr><td>3 SD (TXD)</td><td>4 SG (GND)</td></tr> <tr><td>4 ER (DTR)</td><td></td></tr> <tr><td>5 SG (GND)</td><td></td></tr> <tr><td>6 DR (DSR)</td><td></td></tr> <tr><td>7 RS (RTS)</td><td></td></tr> <tr><td>8 CS (CTS)</td><td></td></tr> <tr><td>9 CI (RI)</td><td></td></tr> </tbody> </table> <p>Example of minimally required connections.</p> </div> </div>	PC	PJ	SHIELD	SHIELD	1 CD (DCD)	3 SD (TXD)	2 RD (RXD)	5 RD (RXD)	3 SD (TXD)	4 SG (GND)	4 ER (DTR)		5 SG (GND)		6 DR (DSR)		7 RS (RTS)		8 CS (CTS)		9 CI (RI)		PC	PJ	SHIELD	SHIELD	1 CD (DCD)	3 SD (TXD)	2 RD (RXD)	5 RD (RXD)	3 SD (TXD)	4 SG (GND)	4 ER (DTR)		5 SG (GND)		6 DR (DSR)		7 RS (RTS)	2 NC	8 CS (CTS)	1 RS(RTS)	9 CI (RI)		PC	PJ	SHIELD	SHIELD	1 CD (DCD)	3 SD (TXD)	2 RD (RXD)	5 RD (RXD)	3 SD (TXD)	4 SG (GND)	4 ER (DTR)		5 SG (GND)		6 DR (DSR)		7 RS (RTS)		8 CS (CTS)		9 CI (RI)	
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3. Communication Flow

Transmission sent	At the sending side (PC), the transmission is sent within character intervals of T_c (character interval timeout).
Transmission received	At the receiving side (Projector), data able to be received within the character interval of T_c is held, and receiving of a delimiter is considered "transmission received". If a received character interval exceeds T_c or a delimiter is not received within 256 characters, all data already received is lost, and the mode is reset to receive standby again.
Command/Response	<p>One response is always returned for each command sent from the PC. (However, note that a response may not be returned when the internal receive buffer overflows due to reception of a large amount of data.)</p> <div style="text-align: center;"> <pre> sequenceDiagram participant PC participant Projector Note over PC: Within Tr PC->>Projector: Commands Projector-->>PC: Response </pre> </div> <p>*The timeout interval between command and response (T_r) is 10 seconds.</p>
Response reception timeout	If a response is not received within T_r (timeout interval between command and response) while in response reception standby after sending a command at the PC, resend the command in the "response reception timeout".

4. Command System

SX50. User Command System



SX6, SX60 or X600 User Command System

Mode change

Switch to Remote mode	REMOTE
Switch to Local mode	LOCAL

Setting/Control

Display setting

Input select	INPUT
Input signal settings	
Input signal selection	SEL
Screen settings	ASPECT
Auto PC	AUTOPC
Menu display position setting	
Screen color correction	WB

Total number of dots adjustment	DOTS
Tracking adjustment	TRACK
Horizontal/Vertical position adjustment	HPOS/VPOS
Horizontal/Vertical resolution adjustment	HPIX/VPIX

*User commands use only automatic selection of input signals.
 *Running of Auto PC will change the values set in "Input signal settings".

Progressive	PROG
-------------	------

RGB adjustment	WBRGB
----------------	-------

User screen setting

User screen registration	
User image position	LOGOPOS
Screen when no signal	NOSIG
Screen when nothing shown	NOSHOW
Startup screen	PJON

Flip display	IMAGEFLIP
--------------	-----------

Image adjustment

Image quality select IMAGE

*This is set for each input signal and image quality.

Brightness setting	BRI
Contrast setting	CONT
Sharpness setting	SHARP
Gamma correction	GAMMA
Color adjustment	

Color saturation setting	SAT
Hue setting	HUE
Gain adjustment	RGBGAIN
Offset adjustment	RGBOFFSET

Advanced adjustment

Dynamic gamma	DGAMMA
Memory color correction	MEMCADJ
6-axis color adjustment	6AXADJ
6-axis adjustment	6AXR~Y

Image adjustment reset	RESET
------------------------	-------

Lamp mode setting	LAMP
-------------------	------

RESET IMAGE

System setting

Auto setup	
Power management mode	PMM
Direct power-on	DPON
Electronic sound	BVOL
Key lock	KEYLOCK
Language setting	LANG
Guide	GUIDE
LED illumination	LEDILLUMINATE
Other settings	

Remote control setting	RCCH
Password setting	
Password registration	
Lamp counter reset	RESET
Factory settings	RESET

RESET LAMPTIME
 RESET SYSTEM

Remote control/Key

Power supply	POWER
Auto set	AUTOSETEXE
Image quality select	IMAGE
Input switching	INPUT
Auto PC	AUTOPC
Focus	FCONTDRV
	FSETPDRV
Zoom	ZCONTDRV
	ZSETPDRV
Keystone	VKS/HKS
Digital zoom	
Spotlight	
No show status setting	BLANK
Audio mute	MUTE
Volume adjustment	AVOL
Freeze image	
Presentation timer setting	


*Same as "Setting/Control"- "Image Adjustment"- "Image Quality Select".
 *Running of Auto PC will change the values set in "Input signal settings".

Emulate

Remote control emulate	RC
Key emulate	MAIN

Reference

Retrieve each data	GET
Setting range request	RANGE

※  Indicates functions that are available in the menu but not available in the user commands.

5. Control Mode

The table below shows the states and limitations of the LOCAL and REMOTE control modes.

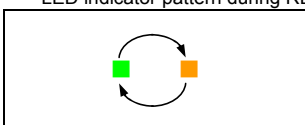
Mode		LOCAL mode	REMOTE mode																																														
Item																																																	
Description		Mode where projector control/operation is performed by the main unit or remote control. Initial mode when microcomputer is started.	Mode where projector control/operation is performed by a PC or other external device. (The PC or other external device is connected by a serial cable.)																																														
LED	Status	State indicator	Constant remote indicator ※2																																														
	ALM	ALM state indicator	ALM state indicator																																														
Transition method		<ul style="list-style-type: none"> •AC power supply to projector •Manual power on/off •LOCAL command •Power management standby/exit mode transfer 	•REMOTE command																																														
Operation buttons	Main unit keys	All available	Only POWER button is available																																														
	Remote control keys	All available	Only POWER button is available																																														
	Emulation	Available ※1	Not available																																														
Power management standby and exit modes ※3	Switching	5 minutes elapsed from no signal	Operation is as follows depending on the model. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Model</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>• No switching to standby or exit mode.</td> </tr> <tr> <td>SX6 SX60 X600</td> <td>• 5 minutes elapsed from no signal • Control is switched to "local mode" after mode switching.</td> </tr> </tbody> </table>	Model	Operation	SX50	• No switching to standby or exit mode.	SX6 SX60 X600	• 5 minutes elapsed from no signal • Control is switched to "local mode" after mode switching.																																								
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Return	<ul style="list-style-type: none"> •Signal input •Remote control button pressed •Main unit button pressed •Emulation 	•REMOTE command																																															
Commands supported		<p>For the SX50</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Command/parameter</th> <th>Remarks</th> </tr> </thead> <tbody> <tr><td>REMOTE</td><td></td></tr> <tr><td>LOCAL</td><td></td></tr> <tr><td>GET MODE</td><td></td></tr> <tr><td>MAIN</td><td></td></tr> <tr><td>RC</td><td></td></tr> </tbody> </table> <p>For the SX6, SX60 or X600</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Command/parameter</th> <th>Remarks</th> </tr> </thead> <tbody> <tr><td>GET COMVER</td><td></td></tr> <tr><td>GET ERROR</td><td></td></tr> <tr><td>GET FREEZE</td><td></td></tr> <tr><td>GET INPUT</td><td></td></tr> <tr><td>GET LAMPCOUNTER</td><td></td></tr> <tr><td>GET MODE</td><td></td></tr> <tr><td>GET MUTE</td><td></td></tr> <tr><td>GET NOSHOWSTATUS</td><td></td></tr> <tr><td>GET POWER</td><td></td></tr> <tr><td>GET PRODCODE</td><td></td></tr> <tr><td>GET ROMVER</td><td></td></tr> <tr><td>GET SIGNALSTATUS</td><td></td></tr> <tr><td>LOCAL</td><td></td></tr> <tr><td>MAIN</td><td></td></tr> <tr><td>RC</td><td></td></tr> <tr><td>REMOTE</td><td></td></tr> </tbody> </table>	Command/parameter	Remarks	REMOTE		LOCAL		GET MODE		MAIN		RC		Command/parameter	Remarks	GET COMVER		GET ERROR		GET FREEZE		GET INPUT		GET LAMPCOUNTER		GET MODE		GET MUTE		GET NOSHOWSTATUS		GET POWER		GET PRODCODE		GET ROMVER		GET SIGNALSTATUS		LOCAL		MAIN		RC		REMOTE		All commands except for "RC" and "MAIN"
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REMOTE																																																	
Special mode (Service mode)		Executable with remote control or main unit buttons	Not executable in any state																																														

*1 However, switching to the USB mouse function or Special mode is not allowed.

*2 If the control mode is REMOTE, the following are displayed regardless of whether the power is on or off.

*3 When the power management setting is "standby" or "exit"

LED indicator pattern during REMOTE mode



6. Key/Emulation function

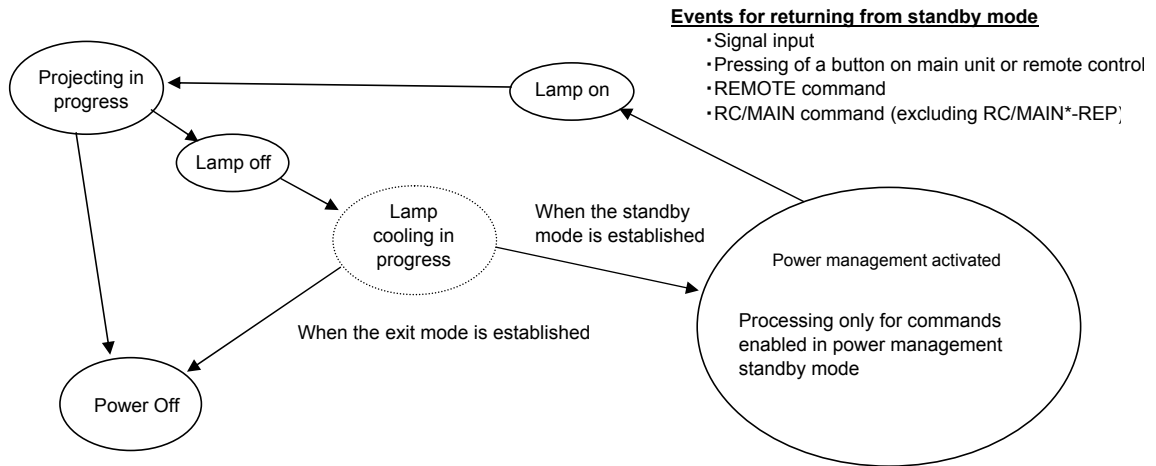
The table below shows how the main unit/remote control keys and emulation function operate in each control mode

Key/Emulation	LOCAL mode			REMOTE mode		
	Unlock	Remote control lock	Main unit key lock	Unlock	Remote control lock	Main unit key lock
Remote control	○	×	○	POWER only	×	POWER only
Main unit keys	○	○	×	POWER only	POWER only	×
Remote control emulation	○	○	○	×	×	×
Main unit key emulation	○	○	○	×	×	×

7. Power Management Mode

Concerning the processing for switching to the power management standby or exit mode in the remote or local mode

Mode	SX50	SX6/SX60/SX600
Remote	The power management standby or exit mode is not established. (No countdown is initiated.)	The power management standby or exit mode is established when no signals are supplied for at least 5 minutes. The countdown is aborted by any command other than GET/RANGE. Control is switched to the "local mode" in the standby or exit mode.
Local	The power management standby or exit mode is established when no signals are supplied for at least 5 minutes.	



8. Command List

Item	Commands	Description	Command type			
			Mode	Control	Setting	Reference
1	REMOTE	Switching to Remote mode	○			
2	LOCAL	Switching to Local mode	○			
3	POWER	Power supply control		○		
4	AUTOSETEXE	Auto setup execution		○		
5	BLANK	BLANK function			○	
6	INPUT	Input terminal select			○	
7	AUTOPC	Auto PC execution		○		
8	DOTS	Total number of dots adjustment			○	
9	TRACK	Tracking adjustment			○	
10	HPOS	Horizontal position adjustment			○	
11	VPOS	Vertical position adjustment			○	
12	HPIX	Horizontal resolution adjustment			○	
13	VPIX	Vertical resolution adjustment			○	
14	SEL	Input signal selection			○	
15	ASPECT	Screen settings			○	
16	IMAGE	Image mode			○	
17	BRI	Brightness setting			○	
18	CONT	Contrast setting			○	
19	SHARP	Sharpness setting			○	
20	GAMMA	Gamma correction			○	
21	DGAMMA	Dynamic gamma			○	
22	PROG	Progressive			○	
23	WB	Screen color correction			○	
24	WBRGB	Screen color correction (RGB adjustment)			○	
25	SAT	Color saturation setting			○	
26	HUE	Hue setting			○	
27	RGBGAIN	RGB gain adjustment			○	
28	RGBOFFSET	RGB offset adjustment			○	
29	ACADJUST	Advanced color adjustment			○	
30	ACADJUST	Memory color correction			○	
31	6AXADJ	6-axis adjustment ON/OFF			○	
32	6AXR	R setting			○	
33	6AXG	G setting			○	
34	6AXB	B setting			○	
35	6AXC	C setting			○	
36	6AXM	M setting			○	
37	6AXY	Y setting			○	
38	LAMP	Lamp mode setting			○	
39	RESET	Reset		○		
40	VKS	Trapezoid adjustment (vertical keystone)			○	
41	HKS	Trapezoid adjustment (horizontal keystone)			○	
42	AVOL	Volume adjustment			○	
43	MUTE	Mute			○	
44	BVOL	Beep sound setting			○	
45	IMAGEFLIP	Flip display control			○	
46	PMM	Power management			○	
47	PJON	Display screen at startup setting			○	
48	NOSIG	Display screen when no signal setting			○	
49	NOSHOW	Display screen setting when nothing shown			○	
50	LOGOPOS	User image position setting			○	
51	LANG	Language selection			○	
52	TERMINAL	Terminal setting			○	
53	KEYLOCK	Key lock setting			○	
54	RCCH	Remote control setting			○	
55	GUIDE	Guide setting			○	
56	DPON	Direct power-on setting			○	
57	LEDILLUMINATE	Emotional LED and signal sensing LED lighting control			○	
58	ZSTEPDRV	Zoom lens step drive control			○	
59	ZCONTDRV	Zoom lens continuous drive control			○	
60	FSTEPDRV	Focus lens step drive control			○	
61	FCONTDRV	Focus lens continuous drive control			○	
62	RC	Remote control operation emulation		○		
63	MAIN	Front panel button operation emulation		○		
64	GET	Retrieve data				○
65	RANGE	Setting range request				○

9. Details of command

Descriptions of each command are provided starting from the next page. The command descriptions have the format shown below.

Commands	* Alphabetic command name				※Command type			
	Mode	Control	Setting	Reference				
Function	* This briefly describes the command function.							
Format	* This indicates the command format.							
Parameter	* This explains the required parameters for the command.						Parameter types	
Response	* This describes the command response.							
Description	* This includes the command function, conditions, and notes.							
Example	* This provides command usage examples.							
Commands supported	SX50	SX6	SX60	X600				
	01.****	11.****	11.****	11.****				
	○	○	○	○				
* Indicated here are the commands supported by each model (and user command version). "O": supported; "x": not supported.								

Supported Command States * This defines the environments that support the command (power supply state, input signal state, control mode).

Model	Power			Input								Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	
x	○	x	x	x	x	○	○	○	x	○	x	x	○	x

The command is enabled in states marked by "O".

The command is enabled in control modes marked by "O".

"O" when the power supply state is enabled while power management is in standby. Input signal is required when "x".
 "O" when power supply state is ON.
 "O" when power supply state is OFF.

Commands	REMOTE	Mode	Control	Setting	Reference
Function	Switch to Remote mode				
Format	REMOTE				
Parameter	None				
Response	":OK" is returned when it was possible to switch the mode properly. For all other responses, refer to "Error List."				
Description	<p>This switches to Remote mode.</p> <ul style="list-style-type: none"> -1 During Remote mode, all buttons are disabled except for the front panel and remote control POWER button. -2 This command can be used in any projector mode. However, zoom or focus lens drive stops if the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -3 If, in the power management standby status, the "REMOTE" command was received and operation was switched to the remote mode, the "power-on" (lamp lighted) status is established unconditionally. -4 With the SX50, the setting, control and reference commands except for RC and MAIN can be used only in the remote mode. (RC and MAIN can be used only in the "local mode.") With the SX6, SX60 and X600, there are several setting, control and reference commands which can be used in the local mode. (Refer to the LOCAL command.) -5 When this command is executed, all the statuses and settings listed below are cleared. <ul style="list-style-type: none"> •Digital zoom •Presentation timer display •Spotlight display •Screen temporary off (NoShow) •Freeze image (Freeze) •Command now being executed (except during "user image registration") •Focusing, zooming underway (with the SX6, SX60 and X600) -6 "Guide display" is not cleared by the transfer of operation to the remote mode. If necessary, clear the display using the GUIDE command. -7 The current mode can be referenced using the applicable GET command. 				
Example	<p>Mode switching > REMOTE < i:OK</p> <p>Mode viewing > GET MODE or < g:MODE=LOCAL</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>				
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**	
	○	○	○	○	

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	○	○	○	○	○	○	○	○	○	-	-	○	○	○	
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
SX60															
X600															

Commands	LOCAL	Mode	Control	Setting	Reference																																																																																									
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Parameter	None																																																																																													
Response	":OK" is returned when it was possible to switch the mode properly. For all other responses, refer to "Error List."																																																																																													
Description	<p>This switches to Local mode.</p> <p>-1 The following commands can be used while the local mode is established.</p> <table border="1" data-bbox="387 488 938 952"> <thead> <tr> <th rowspan="2">Command/parameter</th> <th colspan="4">Errors supported by model</th> </tr> <tr> <th>SX50 01.00**</th> <th>SX6 01.01**</th> <th>SX60 01.01**</th> <th>X600 01.01**</th> </tr> </thead> <tbody> <tr><td>REMOTE</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>LOCAL</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET MODE</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET COMVER</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET ERR</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET FREEZE</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET INPUT</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET LAMPCOUNTER</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET MUTE</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET NOSHOWSTATUS</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET POWER</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET PRODCODE</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET ROMVER</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GET SIGNALSTATUS</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>MAIN</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>RC</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> </tbody> </table> <p>-2 This command can be used in any projector mode. However, zoom or focus lens drive stops if the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>-3 The current mode can be referenced using the applicable GET command.</p> <p>-4 The "BLANK status" is cleared. Refer to BLANK command.</p>					Command/parameter	Errors supported by model				SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**	REMOTE	○	○	○	○	LOCAL	○	○	○	○	GET MODE	○	○	○	○	GET COMVER	x	○	○	○	GET ERR	x	○	○	○	GET FREEZE	x	○	○	○	GET INPUT	x	○	○	○	GET LAMPCOUNTER	x	○	○	○	GET MUTE	x	○	○	○	GET NOSHOWSTATUS	x	○	○	○	GET POWER	x	○	○	○	GET PRODCODE	x	○	○	○	GET ROMVER	x	○	○	○	GET SIGNALSTATUS	x	○	○	○	MAIN	○	○	○	○	RC	○	○	○	○
Command/parameter	Errors supported by model																																																																																													
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MAIN	○	○	○	○																																																																																										
RC	○	○	○	○																																																																																										
Example	<p>Mode switching</p> <pre>> LOCAL < i:OK</pre> <p>Mode viewing</p> <pre>> GET MODE or ?MODE < g:MODE=LOCAL</pre> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																																																																																													
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**																																																																																										
	○	○	○	○																																																																																										

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	○	○	○	○	○	○	○	○	○	○	-	-	○	○	○
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SX60															
X600															

Commands	POWER				Mode	Control	Setting	Reference																								
Function	This controls the power supply																															
Format	POWER□<Parameter:ID>																															
Parameter	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Power ON</td> </tr> <tr> <td>OFF</td> <td>Power OFF</td> </tr> </tbody> </table> <p>The parameters which can be controlled at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>						Parameter	Meaning	ON	Power ON	OFF	Power OFF	ID																			
Parameter	Meaning																															
ON	Power ON																															
OFF	Power OFF																															
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																															
Description	<p>This performs ON/OFF control of the power supply.</p> <ul style="list-style-type: none"> -1 This command is identical to pressing the POWER button on the remote control or main unit. -2 Provided that the remote mode is established, the command can be executed in any projector status. However, zoom or focus lens drive stops if the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -3 After sending this command, use GET POWER to obtain the power supply state at regular intervals, and check that it is in the controlled state (off or on). -4 The table below shows the POWER command responses according to the power supply state. <p style="text-align: center;">POWER Command Responses by Power Supply State</p> <table border="1"> <thead> <tr> <th>Commands</th> <th>POWER ON</th> <th>POWER OFF</th> </tr> </thead> <tbody> <tr> <td>Off</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> </tr> <tr> <td>Off -> lighted</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> </tr> <tr> <td>Lamp on</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> </tr> <tr> <td>Lighted -> off</td> <td style="text-align: center;">△</td> <td style="text-align: center;">○</td> </tr> <tr> <td>Lighted -> standby</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> </tr> <tr> <td>In standby</td> <td style="text-align: center;">○ ※</td> <td style="text-align: center;">○</td> </tr> <tr> <td>Standby -> lighted</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> </tr> </tbody> </table> <p style="text-align: right;">○ : i:OK △ : i:BUSY</p> <ul style="list-style-type: none"> -5 The current power supply status can be referenced using the applicable GET command. For details, refer to the GET command. 								Commands	POWER ON	POWER OFF	Off	○	○	Off -> lighted	○	○	Lamp on	○	○	Lighted -> off	△	○	Lighted -> standby	○	○	In standby	○ ※	○	Standby -> lighted	○	○
Commands	POWER ON	POWER OFF																														
Off	○	○																														
Off -> lighted	○	○																														
Lamp on	○	○																														
Lighted -> off	△	○																														
Lighted -> standby	○	○																														
In standby	○ ※	○																														
Standby -> lighted	○	○																														
Example	<p>Control</p> <p>> POWER ON < i:OK</p> <p>Reference</p> <p>> GET POWER or ?POWER < g:POWER=OFF</p> <p>Acquisition of parameters which can be set</p> <p>> RANGE POWER < r:POWER=I,ON,OFF</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																															
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**																												

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×
SX60															
X600															

* "i:BUSY" may be returned if the power status is being switched.

Commands	AUTOSETEXE				Mode	Control	Setting	Reference															
Function	Auto setup																						
Format	AUTOSETEXE □ <Auto set parameter:ID>																						
Parameter	Auto set parameters							ID															
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>FOCUS</td> <td>Auto focusing</td> </tr> <tr> <td>VKS</td> <td>Auto keystone (vertical) execution</td> </tr> <tr> <td>SCRN</td> <td>Automatic screen color correction execution</td> </tr> <tr> <td>INPUT</td> <td>Automatic signal sensing execution</td> </tr> </tbody> </table> <p>The parameters which can be controlled at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>								Parameter	Meaning	FOCUS	Auto focusing	VKS	Auto keystone (vertical) execution	SCRN	Automatic screen color correction execution	INPUT	Automatic signal sensing execution					
Parameter	Meaning																						
FOCUS	Auto focusing																						
VKS	Auto keystone (vertical) execution																						
SCRN	Automatic screen color correction execution																						
INPUT	Automatic signal sensing execution																						
Response	<p>"i:OK" is returned when the automatic processing was completed successfully. One of the following responses is returned if an error has been detected at any part of the auto setup.</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Error response</th> </tr> </thead> <tbody> <tr> <td>FOCUS</td> <td>e:F002 SYSTEM (FOCUS)</td> </tr> <tr> <td>VKS</td> <td>e:F004 SYSTEM (AUTO_KEystone)</td> </tr> <tr> <td>SCRN</td> <td>e:F005 SYSTEM (SCREEN_COLOR)</td> </tr> </tbody> </table> <p>For all other responses, refer to "Error List."</p>								Type	Error response	FOCUS	e:F002 SYSTEM (FOCUS)	VKS	e:F004 SYSTEM (AUTO_KEystone)	SCRN	e:F005 SYSTEM (SCREEN_COLOR)							
Type	Error response																						
FOCUS	e:F002 SYSTEM (FOCUS)																						
VKS	e:F004 SYSTEM (AUTO_KEystone)																						
SCRN	e:F005 SYSTEM (SCREEN_COLOR)																						
Description	<p>This command is used to execute auto setup.</p> <ol style="list-style-type: none"> It can be executed when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) There are no parameters to be executed together. Execute them separately. It is not possible to execute auto setup in some projector statuses. <table border="1"> <thead> <tr> <th>Type</th> <th>Statuses in which auto setup cannot be executed</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>FOCUS</td> <td>Auto setup cannot be executed while "BLANK" is underway.</td> <td>Refer to the BLANK command.</td> </tr> <tr> <td>VKS</td> <td>—</td> <td></td> </tr> <tr> <td>SCRN</td> <td>Auto setup cannot be executed while "BLANK" is underway.</td> <td>Refer to the BLANK command.</td> </tr> <tr> <td>INPUT</td> <td>Auto setup cannot be executed if there are no input signals.</td> <td></td> </tr> </tbody> </table> <ol style="list-style-type: none"> When automatic screen color correction (SCRN) has been completed successfully, the screen color correction (WB) is set to "ADJUST." 								Type	Statuses in which auto setup cannot be executed	Remarks	FOCUS	Auto setup cannot be executed while "BLANK" is underway.	Refer to the BLANK command.	VKS	—		SCRN	Auto setup cannot be executed while "BLANK" is underway.	Refer to the BLANK command.	INPUT	Auto setup cannot be executed if there are no input signals.	
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FOCUS	Auto setup cannot be executed while "BLANK" is underway.	Refer to the BLANK command.																					
VKS	—																						
SCRN	Auto setup cannot be executed while "BLANK" is underway.	Refer to the BLANK command.																					
INPUT	Auto setup cannot be executed if there are no input signals.																						
Example	<p>Setting</p> <pre>> AUTOSETEXE FOCUS Auto focusing is executed. < i:OK</pre> <p>Acquisition of parameters which can be set</p> <pre>> RANGE AUTOSETEXE <r:AUTOSETEXE=i, FOCUS, VKS, SCRN, INPUT</pre> <p>*Commands are indicated by ">", and responses are indicated by "<".</p>																						
Commands supported	SX50 01. 00**	SX6 01. 01**	SX60 01. 01**	X600 01. 01**																			
	x	o	o	o																			
When a command is not supported, "e:0002 INVALID.COMMAND" is returned.																							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—														
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	BLANK			Mode	Control	Setting	Reference						
Function	BLANK function												
Format	BLANK=<BLANK parameter:ID>												
Parameter	BLANK parameters <table border="1" style="width: 100%;"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>BLANK ON</td> </tr> <tr> <td>OFF</td> <td>BLANK OFF</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>						Parameter	Meaning	ON	BLANK ON	OFF	BLANK OFF	ID
	Parameter	Meaning											
ON	BLANK ON												
OFF	BLANK OFF												
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."												
Description	This command is used to set the BLANK function. (1) This command functions only when the projector is in the "remote mode." It cannot be executed by a menu operation or button operation. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) (2) Only a black screen is displayed. (3) No input signals and none of the on-screen displays appear while BLANK is underway. (4) The "display setting," "image adjustment" and other commands can be executed even while BLANK is underway. However, the "AUTOSETEXE=FOCUS" and "AUTOSETEXE=SCRN" commands cannot be executed. Refer to the AUTOSETEXE command. (5) The BLANK function is released in the following situations. a. When the POWER button on the remote control or panel has been pressed b. When power management standby countdown has started c. When the mode has been switched from remote to local d. Power Off (6) The current BLANK settings can be obtained using the GET command. For details, refer to the GET command.												
Example	Setting > BLANK=ON BLANK is set to ON. < i:OK												
	Reference > GET BLANK or ?BLANK The current BLANK status is referenced. g:BLANK=ON												
	Acquisition of parameters which can be set > RANGE BLANK < r:BLANK=I, OFF, ON *Commands are indicated by ">", and responses are indicated by "<".												
Commands supported	SX50	SX6	SX60	X600									
	01.00**	01.01**	01.01**	01.01**									
	x	o	o	o									
When a command is not supported, "e:0002 INVALID COMMAND" is returned.													

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50															
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	INPUT				Mode	Control	Setting	Reference																																																									
Function	Input selection																																																																
Format	INPUT=<Input selection parameters:ID>																																																																
Parameter	Input selection parameters							ID																																																									
	<table border="1"> <thead> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Meaning</th> <th colspan="4">Errors supported by model</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr> <td>D-RGB</td> <td>D-RGB</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>A-RGB1</td> <td>A-RGB1</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>A-RGB2</td> <td>A-RGB2</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>COMP</td> <td>Component</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>VIDEO</td> <td>Video</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>S-VIDEO</td> <td>S-Video</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>D-VIDEO</td> <td>Digital Video</td> <td>x</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>SCARTRGB</td> <td>SCART(RGB)</td> <td>x</td> <td>○</td> <td>○</td> <td>○</td> </tr> </tbody> </table>	Parameter	Meaning	Errors supported by model					SX50	SX6	SX60	X600	D-RGB	D-RGB	○	○	○	○	A-RGB1	A-RGB1	○	○	○	○	A-RGB2	A-RGB2	○	○	○	○	COMP	Component	○	○	○	○	VIDEO	Video	○	○	○	○	S-VIDEO	S-Video	○	○	○	○	D-VIDEO	Digital Video	x	○	○	○	SCARTRGB	SCART(RGB)	x	○	○	○					
Parameter	Meaning			Errors supported by model																																																													
		SX50	SX6	SX60	X600																																																												
D-RGB	D-RGB	○	○	○	○																																																												
A-RGB1	A-RGB1	○	○	○	○																																																												
A-RGB2	A-RGB2	○	○	○	○																																																												
COMP	Component	○	○	○	○																																																												
VIDEO	Video	○	○	○	○																																																												
S-VIDEO	S-Video	○	○	○	○																																																												
D-VIDEO	Digital Video	x	○	○	○																																																												
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	The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.																																																																
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																																																																
Description	This controls the input selection. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) -2 This command has the same function as the buttons listed in the table below. <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Model</th> <th>Button</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Computer-1], [# -2], [VIDEO/S]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>INPUT</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -3 When the model SX50 is used, "A-RGB2" and "COMP" cannot be selected if "OUT" has been set using the TERMINAL command. ('e:1001 TERMINAL_OUT' is returned.) -4 When the model SX6, SX60 or X600 is used, the input can be selected automatically using the auto setup command (AUTOSETEXE=INPUT). Refer to the AUTOSETEXE command. -5 The current input can be acquired using the applicable GET command. For details, refer to the GET command.								Model	Button	SX50	[Computer-1], [# -2], [VIDEO/S]	SX6		SX60	INPUT	X600																																																
Model	Button																																																																
SX50	[Computer-1], [# -2], [VIDEO/S]																																																																
SX6																																																																	
SX60	INPUT																																																																
X600																																																																	
Example	Setting > INPUT=VIDEO VIDEO input selection < i:OK Reference > GET INPUT or ?INPUT This retrieves the input signal < g:INPUT=A-RGB1 Acquisition of parameters which can be set > RANGE INPUT < r:INPUT=l, D-RGB, A-RGB1, A-RGB2, COMP, VIDEO, S-VIDEO, D-VIDEO, SCARTRGB * Commands are indicated by ">", and responses are indicated by "<".																																																																
Commands supported	SX50	SX6	SX60	X600																																																													
	01.00**	01.01**	01.01**	01.01**																																																													
	○	○	○	○																																																													

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	AUTOPC				Mode	Control	Setting	Reference														
Function	Auto PC																					
Format	AUTOPC																					
Parameter	None																					
Response	'i:OK' is returned when control has been executed successfully. For all other responses, refer to "Error List."																					
Description	Auto PC execution -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) Furthermore, it may not be possible to execute the command with some input signals. -2 This command is identical to pressing the "AUTOPC" button on the remote control or front pane -3 Execution of this command may modify the following setting values. <ul style="list-style-type: none"> • Total number of dots • Tracking • Horizontal/vertical positions • Number of horizontal/vertical display dots -4 To confirm modified setting values, use the GET command of the respective parameter. For details, refer to the GET commands below. <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Setting</th> <th>GET</th> </tr> </thead> <tbody> <tr> <td>Total number of dots</td> <td>GET DOTS</td> </tr> <tr> <td>Tracking</td> <td>GET TRACK</td> </tr> <tr> <td>Horizontal position</td> <td>GET HPOS</td> </tr> <tr> <td>Vertical position</td> <td>GET VPOS</td> </tr> <tr> <td>Number of horizontal display dots</td> <td>GET HPIX</td> </tr> <tr> <td>Number of vertical display dots</td> <td>GET VPIX</td> </tr> </tbody> </table>								Setting	GET	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
Setting	GET																					
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 * Commands are indicated by ">", and responses are indicated by "<".																					
Commands supported	SX50	SX6	SX60	X600																		
	01.00**	01.01**	01.01**	01.01**																		
	○	○	○	○																		

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	○	○	x	x	x	—	—	x	○	x	
SX6	x	○	x	x	○	○	x	x	x	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	TRACK				Mode	Control	Setting	Reference									
Function	Tracking adjustment																
Format	TRACK=<Adjustment value: Number>																
Parameter	Adjustment value							Number									
	The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.																
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																
Description	This is used for adjustment when tracking (synchronization) is out of sync and the screen flickers.																
	-1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) Furthermore, it may not be possible to execute the command with some input signals.																
	-2 This command is the same as the menu functions in the table below. <table border="1" data-bbox="391 705 938 831" style="margin: 10px auto;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Display settings] - [Input signal settings] - [Tracking]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [Input signal settings] - [Tracking]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table>								Model	Menu	SX50	[Display settings] - [Input signal settings] - [Tracking]	SX6		SX60	[Display settings] - [Input signal settings] - [Tracking]	X600
Model	Menu																
SX50	[Display settings] - [Input signal settings] - [Tracking]																
SX6																	
SX60	[Display settings] - [Input signal settings] - [Tracking]																
X600																	
-3 The GET command can be used to retrieve the current tracking adjustment values. For details, refer to the GET command.																	
Example	Setting																
	> TRACK=25				The tracking adjustment value is set to 25.												
	< i:OK																
	Reference																
> GET TRACK or ?TRACK				This retrieves the tracking adjustment setting value.													
< g:TRACK=21																	
Obtain settable parameter range (Min, Max)																	
> RANGE TRACK				Any value from 0 to 31 can be set for the tracking.													
< r:TRACK=N, 0, 31																	
* Commands are indicated by ">", and responses are indicated by "<".																	
Commands supported	SX50	SX6	SX60	X600													
	01.00**	01.01**	01.01**	01.01**													
	○	○	○	○													

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	○	○	x	x	x	-	-	x	○	x	
SX6	x	○	x	x	○	○	x	x	x	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	HPOS/VPOS				Mode	Control	Setting	Reference										
Function	Horizontal/Vertical position adjustment																	
Format	HPOS=<Horizontal position: Number> VPOS=<Vertical position: Number>																	
Parameter	Horizontal/vertical positions						Number											
	The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.																	
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	This adjusts the horizontal and vertical position on the screen. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) Furthermore, it may not be possible to execute the command with some input signals. -2 This command is the same as the menu functions in the table below. <table border="1" data-bbox="389 730 1074 880"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Display settings] - [Input signal settings] - [Horizontal position] [Display settings] - [Input signal settings] - [Vertical position]</td> </tr> <tr> <td>SX6</td> <td>[Display settings] - [Input signal settings] - [Horizontal position]</td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [Input signal settings] - [Horizontal position]</td> </tr> <tr> <td>X600</td> <td>[Display settings] - [Input signal settings] - [Vertical position]</td> </tr> </tbody> </table> -3 The GET command can be used to retrieve the current horizontal and vertical position. For details, refer to the GET command.								Model	Menu	SX50	[Display settings] - [Input signal settings] - [Horizontal position] [Display settings] - [Input signal settings] - [Vertical position]	SX6	[Display settings] - [Input signal settings] - [Horizontal position]	SX60	[Display settings] - [Input signal settings] - [Horizontal position]	X600	[Display settings] - [Input signal settings] - [Vertical position]
Model	Menu																	
SX50	[Display settings] - [Input signal settings] - [Horizontal position] [Display settings] - [Input signal settings] - [Vertical position]																	
SX6	[Display settings] - [Input signal settings] - [Horizontal position]																	
SX60	[Display settings] - [Input signal settings] - [Horizontal position]																	
X600	[Display settings] - [Input signal settings] - [Vertical position]																	
Example	Setting > HPOS=12 This sets the horizontal position to 12. < i:OK Reference > GET VPOS or ?VPOS This acquires the vertical position. < g:VPOS=8 Obtain settable parameter range (Min, Max) > RANGE HPOS < r:HPOS=N, 0, 820 Any value from 0 to 820 can be set for the horizontal position. * Commands are indicated by ">", and responses are indicated by "<".																	
Commands supported	SX50	SX6	SX60	X600														
	01.00**	01.01**	01.01**	01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	○	○	x	x	x	-	-	x	○	x	
SX6	x	○	x	x	○	○	x	x	x	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	HPIX/ VPIX				Mode	Control	Setting	Reference															
Function	Horizontal/Vertical resolution adjustment																						
Format	HPIX=<Horizontal resolution: Number> VPIX=<Horizontal resolution: Number>																						
Parameter	Horizontal/vertical resolution The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.						Number																
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																						
Description	This adjusts the horizontal and vertical resolution (number of dots) on the screen. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) Furthermore, it may not be possible to execute the command with some input signals. -2 This command is the same as the menu functions in the table below. <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Display settings] - [Input signal settings] - [No. of horizontal display dots] [Display settings] - [Input signal settings] - [No. of vertical display dots]</td> </tr> <tr> <td>SX6</td> <td>[Display settings] - [Input signal settings] - [No. of horizontal dots]</td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [Input signal settings] - [No. of vertical dots]</td> </tr> <tr> <td>X600</td> <td>[Display settings] - [Input signal settings] - [No. of vertical dots]</td> </tr> </tbody> </table> -3 The GET command can be used to retrieve the current horizontal and vertical position. For details, refer to the GET command.								Model	Menu	SX50	[Display settings] - [Input signal settings] - [No. of horizontal display dots] [Display settings] - [Input signal settings] - [No. of vertical display dots]	SX6	[Display settings] - [Input signal settings] - [No. of horizontal dots]	SX60	[Display settings] - [Input signal settings] - [No. of vertical dots]	X600	[Display settings] - [Input signal settings] - [No. of vertical dots]					
Model	Menu																						
SX50	[Display settings] - [Input signal settings] - [No. of horizontal display dots] [Display settings] - [Input signal settings] - [No. of vertical display dots]																						
SX6	[Display settings] - [Input signal settings] - [No. of horizontal dots]																						
SX60	[Display settings] - [Input signal settings] - [No. of vertical dots]																						
X600	[Display settings] - [Input signal settings] - [No. of vertical dots]																						
Example	Setting > HPIX=1024 This sets the horizontal resolution to 1024. < i:OK Reference > GET VPIX or ?VPIX This retrieves the vertical resolution. < g:VPIX= 864 Obtain settable parameter range (Min, Max) > RANGE VPIX < r:VPIX=N, 0, 1000 Any value from 0 to 1000 can be set for the horizontal resolution.																						
Commands supported	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Model</th> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr> <td>Setting</td> <td>01.00**</td> <td>01.01**</td> <td>01.01**</td> <td>01.01**</td> </tr> <tr> <td>Reference</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> </tbody> </table>				Model	SX50	SX6	SX60	X600	Setting	01.00**	01.01**	01.01**	01.01**	Reference	○	○	○	○				
Model	SX50	SX6	SX60	X600																			
Setting	01.00**	01.01**	01.01**	01.01**																			
Reference	○	○	○	○																			

* Commands are indicated by ">", and responses are indicated by "<".

Supported Command States

Model	Power			Input										Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	x	x	x	—	—	x	○	x		
SX6	x	○	x	○	○	○	x	x	x	x	x	x	○	x		
SX60																
X600																

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.
 * If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.
 * "i:BUSY" may be returned if the power status is being switched.

Commands	SEL				Mode	Control	Setting	Reference																																		
Function	Input signal selection																																									
Format	SEL=<Input signal selection parameter: ID>																																									
Parameter	Input signal selection parameter <table border="1" style="margin: 5px 0;"> <thead> <tr style="background-color: #e0ffe0;"> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>AUTO</td> <td>Auto</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>						Parameter	Meaning	AUTO	Auto	ID																															
Parameter	Meaning																																									
AUTO	Auto																																									
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																																									
Description	This selects the input signal. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) Furthermore, it may not be possible to execute the command with some input signals. -2 This command takes effect only with the "AUTO" parameter setting. -3 This command is the same as the menu functions in the table below. <table border="1" style="margin: 5px 0;"> <thead> <tr style="background-color: #e0ffe0;"> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Display settings] - [Input signal selection] - [Auto]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [Input signal selection] - [Auto]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -4 The current input signal can be acquired using the applicable GET command. For details, refer to the GET command. <table border="1" style="margin: 5px 0;"> <thead> <tr style="background-color: #e0ffe0;"> <th>Parameter</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>PAL</td> <td>Includes PAL-M and PAL-N</td> </tr> <tr> <td>SECAM</td> <td></td> </tr> <tr> <td>NTSC</td> <td>Includes NTSC4.43</td> </tr> <tr> <td>1080i</td> <td>Includes 540p (1080i non-interlaced signal)</td> </tr> <tr> <td>1035i</td> <td></td> </tr> <tr> <td>720p</td> <td></td> </tr> <tr> <td>575p</td> <td></td> </tr> <tr> <td>480p</td> <td></td> </tr> <tr> <td>575i</td> <td>Includes 288p (PAL non-interlaced signal)</td> </tr> <tr> <td>480i</td> <td>Includes 240p (NTSC non-interlaced signal)</td> </tr> <tr> <td>UNKNOWN</td> <td>No-color, 1080p, and other signals</td> </tr> </tbody> </table> <p style="text-align: center;">List of signals which can be detected</p>								Model	Menu	SX50	[Display settings] - [Input signal selection] - [Auto]	SX6		SX60	[Display settings] - [Input signal selection] - [Auto]	X600		Parameter	Remarks	PAL	Includes PAL-M and PAL-N	SECAM		NTSC	Includes NTSC4.43	1080i	Includes 540p (1080i non-interlaced signal)	1035i		720p		575p		480p		575i	Includes 288p (PAL non-interlaced signal)	480i	Includes 240p (NTSC non-interlaced signal)	UNKNOWN	No-color, 1080p, and other signals
Model	Menu																																									
SX50	[Display settings] - [Input signal selection] - [Auto]																																									
SX6																																										
SX60	[Display settings] - [Input signal selection] - [Auto]																																									
X600																																										
Parameter	Remarks																																									
PAL	Includes PAL-M and PAL-N																																									
SECAM																																										
NTSC	Includes NTSC4.43																																									
1080i	Includes 540p (1080i non-interlaced signal)																																									
1035i																																										
720p																																										
575p																																										
480p																																										
575i	Includes 288p (PAL non-interlaced signal)																																									
480i	Includes 240p (NTSC non-interlaced signal)																																									
UNKNOWN	No-color, 1080p, and other signals																																									
Example	Setting > SEL=AUTO This sets the input signal selection to "AUTO". < i:OK Reference > GET SEL or ?SEL This retrieves the input signal. < g:SEL=575p Acquisition of parameters which can be set > RANGE SEL < r:SEL=I, AUTO Only "AUTO" can be set for the input signal selection. * Commands are indicated by ">", and responses are indicated by "<".																																									
Commands supported	SX50	SX6	SX60	X600																																						
	01.00**	01.01**	01.01**	01.01**																																						
	○	○	○	○																																						

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	—	—	x	○	x	
SX6	x	○	x	x	x	x	○	○	○	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	ASPECT				Mode	Control	Setting	Reference									
Function	Screen settings																
Format	ASPECT=<Screen setting parameters:ID>																
Parameter	Screen setting parameters							ID									
	Parameter		Meaning		Errors supported by model												
			SX50	SX6	SX60	X600											
	AUTO	Auto	○	○	○	○											
	NORMAL	Normal	○	—	—	—											
	WIDE	Wide	○	○	○	○											
	FULL	Full screen	○	○	○	○											
	TRUE	Real	○	○	○	○											
	The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.																
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																
Description	This sets the screen sizes.																
	<ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) Furthermore, it may not be possible to execute the command with some input signals. -2 The final screen settings are retained even when the power is turned off. However, the screen settings may be different if the input terminal or input signal is changed. -3 This command is the same as the menu functions in the table below. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Display settings] - [Screen settings]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [Aspect ratio]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> -4 The GET command can be used to retrieve the current screen display mode. For details, refer to the GET command. 								Model	Menu	SX50	[Display settings] - [Screen settings]	SX6		SX60	[Display settings] - [Aspect ratio]	X600
Model	Menu																
SX50	[Display settings] - [Screen settings]																
SX6																	
SX60	[Display settings] - [Aspect ratio]																
X600																	
Example	Setting				Reference												
	> ASPECT=WIDE > i:OK				This sets the screen size to WIDE. This retrieves the screen size.												
Acquisition of parameters which can be set > RANGE ASPECT < r:ASPECT=I, AUTO, NORMAL, WIDE								"AUTO," "NORMAL" or "WIDE" can be set as the screen size.									
* Commands are indicated by ">", and responses are indicated by "<".																	
Commands supported	SX50	SX6	SX60	X600													
	01.00**	01.01**	01.01**	01.01**													
	○	○	○	○													

Supported Command States

Model	Parameter	Power			Input										Mode	
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	AUTO	x	○	x	x	x	x	○	x	x	—	—	○	○	x	
	NORMAL	x	○	x	○	○	○	○	○	○	—	—	○	○	x	
	WIDE	x	○	x	○	○	○	○	○	○	—	—	○	○	x	
	FULL	x	○	x	○	○	○	x	x	x	—	—	○	○	x	
	TRUE	x	○	x	○	○	○	x	x	x	—	—	x	○	x	
SX6	AUTO	x	○	x	○	○	○	○	x	x	○	x	○	○	x	
SX60	WIDE	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
X600	FULL	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
	TRUE	x	○	x	○	○	○	x	x	x	x	x	○	x		

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	IMAGE				Mode	Control	Setting	Reference																																																								
Function	Image mode setting																																																															
Format	IMAGE=<Image mode setting parameter:ID>																																																															
Parameter	Image mode setting parameters						ID																																																									
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PRESENTATION	Presentation	○	○	○	○																																																											
CINEMA	Cinema	○	x	x	x																																																											
SRGB	sRGB	○	○	○	○																																																											
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MOVIE_PHOTO	Movie & Photo	x	○	x	x																																																											
HOME_CINEMA	Home theater	x	x	○	x																																																											
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Response	<p>"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."</p>																																																															
Description	<p>This sets the image quality.</p> <p>-1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>-2 The final settings for the image mode are retained even when the power is turned off.</p> <p>-3 This command is the same as the menu functions in the table below.</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Image adjustments] - [Image mode settings]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Image adjustments] - [Image mode settings]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <p>-4 Changing the setting may modify the following setting values.</p> <table border="1"> <thead> <tr> <th>Setting</th> <th>Commands related to the settings</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>Brightness</td> <td>BRI</td> <td></td> </tr> <tr> <td>Contrast</td> <td>CONT</td> <td></td> </tr> <tr> <td>Sharpness</td> <td>SHARP</td> <td></td> </tr> <tr> <td>Gamma adjustment</td> <td>GAMMA</td> <td></td> </tr> <tr> <td>Dynamic gamma</td> <td>DGAMMA</td> <td></td> </tr> <tr> <td>Progressive</td> <td>PROG</td> <td></td> </tr> <tr> <td>Screen color correction/RGB adjustment values</td> <td>WB/ WBRGB</td> <td>For the SX50</td> </tr> <tr> <td>Saturation/hue</td> <td>SAT/ HUE</td> <td></td> </tr> <tr> <td>Advanced color adjustment</td> <td>ACADJUST</td> <td>For the SX50</td> </tr> <tr> <td>Memory color correction</td> <td>MEMCADJ</td> <td>For the SX6, SX60 or X600</td> </tr> <tr> <td>RGB gain/offset adjustments</td> <td>RGBGAIN/RGBOFFSET</td> <td>For the SX6, SX60 or X600</td> </tr> <tr> <td>6-axis color adjust</td> <td>6AXR~Y</td> <td></td> </tr> </tbody> </table> <p>-5 The current image quality can be acquired using the applicable GET command. For details, refer to the GET command.</p>								Model	Menu	SX50	[Image adjustments] - [Image mode settings]	SX6		SX60	[Image adjustments] - [Image mode settings]	X600		Setting	Commands related to the settings	Remarks	Brightness	BRI		Contrast	CONT		Sharpness	SHARP		Gamma adjustment	GAMMA		Dynamic gamma	DGAMMA		Progressive	PROG		Screen color correction/RGB adjustment values	WB/ WBRGB	For the SX50	Saturation/hue	SAT/ HUE		Advanced color adjustment	ACADJUST	For the SX50	Memory color correction	MEMCADJ	For the SX6, SX60 or X600	RGB gain/offset adjustments	RGBGAIN/RGBOFFSET	For the SX6, SX60 or X600	6-axis color adjust	6AXR~Y								
Model	Menu																																																															
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6-axis color adjust	6AXR~Y																																																															
Example	<p>Setting</p> <p>> IMAGE=PRESENTATION This sets the image mode to "Presentation." < i:OK</p> <p>Reference</p> <p>> GET IMAGE or ?IMAGE This references the current image mode. < g:IMAGE=CINEMA</p> <p>Acquisition of parameters which can be set</p> <p>> RANGE IMAG < r:IMAGE=I, STANDARD, CINEMA, SRGB "STANDARD," "CINEMA" or "SRGB" can be set as the image mode.</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																																																															
Commands supported	SX50	SX6	SX60	X600																																																												
	01.00**	01.01**	01.01**	01.01**																																																												
	○	○	○	○																																																												

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	CONT				Mode	Control	Setting	Reference										
Function	Contrast setting																	
Format	CONT=<Contrast setting: Number>																	
Parameter	Contrast setting (-20 to 20) The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.						Number											
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	This sets the screen contrast. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is the same as the menu functions in the table below. <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Image adjustments] - [Contrast]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Image adjustments] - [Contrast]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -3 The currently selected input signal and image mode are used for these settings. -4 The current contrast can be acquired using the applicable GET command. For details, refer to the GET command.								Model	Menu	SX50	[Image adjustments] - [Contrast]	SX6		SX60	[Image adjustments] - [Contrast]	X600	
Model	Menu																	
SX50	[Image adjustments] - [Contrast]																	
SX6																		
SX60	[Image adjustments] - [Contrast]																	
X600																		
Example	Setting > CONT=3 This sets the contrast to +3. < i:OK Reference > GET CONT or ?CONT This retrieves the contrast. < g:CONT=3 Obtain settable parameter range (Min, Max) > RANGE CONT < r:CONT=N, -20, 20 Any value from -20 to 20 can be set for the contrast. * Commands are indicated by ">", and responses are indicated by "<".																	
Commands supported	SX50	SX6	SX60	X600														
	01.00**	01.01**	01.01**	01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	SHARP				Mode	Control	Setting	Reference										
Function	Sharpness setting																	
Format	SHARP=<Sharpness setting: Number>																	
Parameter	Sharpness setting (-4 to 4) The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.						Number											
Response	":OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	This sets the screen sharpness. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) -2 This command is the same as the menu functions in the table below. <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Image adjustments] - [Sharpness]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Image adjustments] - [Sharpness]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -3 This sets the currently selected input signal and image mode. -4 The current sharpness can be acquired using the applicable GET command. For details, refer to the GET command.								Model	Menu	SX50	[Image adjustments] - [Sharpness]	SX6		SX60	[Image adjustments] - [Sharpness]	X600	
Model	Menu																	
SX50	[Image adjustments] - [Sharpness]																	
SX6																		
SX60	[Image adjustments] - [Sharpness]																	
X600																		
Example	Setting > SHARP=3 < i:OK This sets the contrast to 3. Reference > GET SHARP or ?SHARP < g:SHARP=3 This retrieves the contrast. Obtain settable parameter range (Min, Max) > RANGE SHARP < r:SHARP=N, -4, 4 Any value from -4 to 4 can be set for the sharpness. * Commands are indicated by ">", and responses are indicated by "<".																	
Commands supported	SX50	SX6	SX60	X600														
	01.00**	01.01**	01.01**	01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GAMMA	Mode	Control	Setting	Reference										
Function	Gamma adjustment														
Format	GAMMA=<Gamma adjustment: Number>														
Parameter	Gamma adjustment (-4 to 4) The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.				Number										
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."														
Description	This performs the Gamma adjustment. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is the same as the menu functions in the table below. <table border="1" data-bbox="387 678 866 804"><thead><tr><th>Model</th><th>Menu</th></tr></thead><tbody><tr><td>SX50</td><td>[Image adjustments] - [Gamma]</td></tr><tr><td>SX6</td><td></td></tr><tr><td>SX60</td><td>[Image adjustments] - [Gamma]</td></tr><tr><td>X600</td><td></td></tr></tbody></table> -3 This sets the currently selected input signal and image mode. -4 The current gamma adjustment can be acquired using the applicable GET command. For details, refer to the GET command.					Model	Menu	SX50	[Image adjustments] - [Gamma]	SX6		SX60	[Image adjustments] - [Gamma]	X600	
Model	Menu														
SX50	[Image adjustments] - [Gamma]														
SX6															
SX60	[Image adjustments] - [Gamma]														
X600															
Example	Setting > GAMMA=-1 This sets the gamma correction to -1. < i:OK Reference > GET GAMMA or ?GAMMA This retrieves the gamma correction. < g:GAMMA=3 Obtain settable parameter range (Min, Max) > RANGE GAMMA < r:GAMMA=N, -4, 4 Any value from -4 to 4 can be set for the gamma. * Commands are indicated by ">", and responses are indicated by "<".														
Commands supported	SX50 01.00** ○	SX6 01.01** ○	SX60 01.01** ○	X600 01.01** ○											

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	DGAMMA	Mode	Control	Setting	Reference										
Function	Dynamic gamma														
Format	DGAMMA=<Dynamic gamma setting parameter:ID>														
Parameter	Dynamic gamma setting parameters <table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>OFF</td> </tr> <tr> <td>1</td> <td>ON</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>				Parameter	Meaning	0	OFF	1	ON	ID				
Parameter	Meaning														
0	OFF														
1	ON														
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."														
Description	<p>The command is used to set the dynamic gamma function to ON or OFF.</p> <ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is the same as the menu functions in the table below. <table border="1"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Image adjustments] - [Dynamic gamma]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Image adjustments] - [Advanced adjustments] - [Dynamic gamma]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> -3 This sets the currently selected input signal and image mode. -4 The current dynamic gamma function status can be acquired using the applicable GET commar For details, refer to the GET command. 					Model	Menu	SX50	[Image adjustments] - [Dynamic gamma]	SX6		SX60	[Image adjustments] - [Advanced adjustments] - [Dynamic gamma]	X600	
Model	Menu														
SX50	[Image adjustments] - [Dynamic gamma]														
SX6															
SX60	[Image adjustments] - [Advanced adjustments] - [Dynamic gamma]														
X600															
Example	<p>Setting</p> <p>> DGAMMA=1 This sets the dynamic gamma function to ON. < i:OK</p> <p>Reference</p> <p>> GET DGAMMA or ?DGAMMA This retrieves the dynamic gamma function state. < g:DGAMMA=1</p> <p>Acquisition of parameters which can be set</p> <p>> RANGE DGAMMA < r:DGAMMA=, 0, 1 The dynamic gamma can be set using "0" or "1."</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>														
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**											

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.
 * "i:BUSY" may be returned if the power status is being switched.

Commands	PROG	Mode	Control	Setting	Reference																																		
Function	Progressive setting																																						
Format	PROG=<Progressive conversion setting parameters:ID>																																						
Parameter	Progressive conversion setting parameters <table border="1" style="margin-top: 10px;"> <thead> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Meaning</th> <th colspan="4">Errors supported by model</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>OFF</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> </tr> <tr> <td>1</td> <td>ON</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> </tr> <tr> <td>2</td> <td>AUTO</td> <td style="text-align: center;">x</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> </tr> </tbody> </table>				Parameter	Meaning	Errors supported by model				SX50	SX6	SX60	X600	0	OFF	○	○	○	○	1	ON	○	○	○	○	2	AUTO	x	○	○	○	ID						
Parameter	Meaning	Errors supported by model																																					
		SX50	SX6	SX60	X600																																		
0	OFF	○	○	○	○																																		
1	ON	○	○	○	○																																		
2	AUTO	x	○	○	○																																		
	The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.																																						
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																																						
Description	<p>This command is used to set the progressive conversion processing to ON or OFF.</p> <p>-1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) Furthermore, it may not be possible to execute the command with some input signals.</p> <p>-2 This command is the same as the menu functions in the table below.</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Image adjustments] - [Progressive]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [Progressive]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <p>-3 This sets the currently selected input signal and image mode. -4 The menu display statuses are as listed in the table below by model.</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>Model</th> <th>Menu display statuses, etc.</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>If the input signals are "Component" signals of any of the following types, the signals cannot be processed even when "ON" has been selected as the progressive conversion setting to perform progressive conversion. ·1080i ·720p ·480p ·1035i ·575p</td> </tr> <tr> <td>SX6</td> <td>When signals from a progressive source have been input, the progressive conversion setting can be selected, but the field will be blank on the menu.</td> </tr> <tr> <td>SX60</td> <td>If the input signals are "Component" signals of any of the following types, the signals cannot be processed even when "ON" or "AUTO" has been selected as the progressive conversion setting to perform progressive conversion, but the value on the menu will change. However, the value will be grayed out.</td> </tr> <tr> <td>X600</td> <td>·1080i ·720p ·480p ·1035i ·575p</td> </tr> </tbody> </table> <p>(Reference)</p> <table border="1" style="margin-top: 10px;"> <tbody> <tr> <td>·1080i ·720p ·480p</td> <td>With the SX50, IP_NOT_AVAILABLE is returned for both referencing and setting in response to the signals on the left.</td> </tr> <tr> <td>·1035i ·575p</td> <td></td> </tr> </tbody> </table> <p>-5 The current value can be acquired using the applicable GET command. The significance of the acquired values is given in the table below. For details, refer to the GET command.</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>Model</th> <th>Significance of acquired value</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>Current progressive conversion processing status (1: conversion underway, 0: no conversion)</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>Setting currently established for progressive conversion</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table>					Model	Menu	SX50	[Image adjustments] - [Progressive]	SX6		SX60	[Display settings] - [Progressive]	X600		Model	Menu display statuses, etc.	SX50	If the input signals are "Component" signals of any of the following types, the signals cannot be processed even when "ON" has been selected as the progressive conversion setting to perform progressive conversion. ·1080i ·720p ·480p ·1035i ·575p	SX6	When signals from a progressive source have been input, the progressive conversion setting can be selected, but the field will be blank on the menu.	SX60	If the input signals are "Component" signals of any of the following types, the signals cannot be processed even when "ON" or "AUTO" has been selected as the progressive conversion setting to perform progressive conversion, but the value on the menu will change. However, the value will be grayed out.	X600	·1080i ·720p ·480p ·1035i ·575p	·1080i ·720p ·480p	With the SX50, IP_NOT_AVAILABLE is returned for both referencing and setting in response to the signals on the left.	·1035i ·575p		Model	Significance of acquired value	SX50	Current progressive conversion processing status (1: conversion underway, 0: no conversion)	SX6		SX60	Setting currently established for progressive conversion	X600	
Model	Menu																																						
SX50	[Image adjustments] - [Progressive]																																						
SX6																																							
SX60	[Display settings] - [Progressive]																																						
X600																																							
Model	Menu display statuses, etc.																																						
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SX60	Setting currently established for progressive conversion																																						
X600																																							
Example	<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 30%; padding: 5px;">Setting</td> <td style="padding: 5px;">> PROG=0 < i:OK</td> <td style="padding: 5px; vertical-align: top;">This sets the progressive conversion setting to OFF.</td> </tr> <tr> <td style="padding: 5px;">Reference</td> <td style="padding: 5px;">> GET PROG or ?PROG < g:PROG=1</td> <td style="padding: 5px; vertical-align: top;">This acquires the progressive conversion processing status.</td> </tr> <tr> <td style="padding: 5px;">Acquisition of parameters which can be set</td> <td style="padding: 5px;">> RANGE PROG < r:PROG=I, 0, 1, 2</td> <td style="padding: 5px; vertical-align: top;">"0," "1" or "2" can be selected as the progressive conversion setting.</td> </tr> </tbody> </table> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>					Setting	> PROG=0 < i:OK	This sets the progressive conversion setting to OFF.	Reference	> GET PROG or ?PROG < g:PROG=1	This acquires the progressive conversion processing status.	Acquisition of parameters which can be set	> RANGE PROG < r:PROG=I, 0, 1, 2	"0," "1" or "2" can be selected as the progressive conversion setting.																									
Setting	> PROG=0 < i:OK	This sets the progressive conversion setting to OFF.																																					
Reference	> GET PROG or ?PROG < g:PROG=1	This acquires the progressive conversion processing status.																																					
Acquisition of parameters which can be set	> RANGE PROG < r:PROG=I, 0, 1, 2	"0," "1" or "2" can be selected as the progressive conversion setting.																																					

Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**			
	○	○	○	○			

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	—	—	x	○	x	
SX6	x	○	x	x	x	x	○	○	○	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	WB				Mode	Control	Setting	Reference										
Function	Screen color correction																	
Format	WB=<Screen color correction parameters:ID>																	
Parameter	Screen color correction parameters <table border="1" style="margin: 10px 0;"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>NORMAL</td> <td>Standard</td> </tr> <tr> <td>GREENBOARD</td> <td>Blackboard</td> </tr> <tr> <td>ADJUST</td> <td>Adjust</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>							Parameter	Meaning	NORMAL	Standard	GREENBOARD	Blackboard	ADJUST	Adjust	ID		
Parameter	Meaning																	
NORMAL	Standard																	
GREENBOARD	Blackboard																	
ADJUST	Adjust																	
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	<p>The screen color correction is set to "Normal", "Blackboard", or "Adjust".</p> <ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is the same as the menu functions in the table below. <table border="1" style="margin: 10px 0;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Image adjustments] - [Screen color correction]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [Screen color correction]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> -3 When "ADJUST" has been selected, adjust the RGB adjustment values using the WBRGB command. -4 When the model SX50 is used, the currently selected input signal and image mode settings are established. When the model SX6, SX60 or X600 is used, a set of settings is established for the system. -5 The current screen color correction can be acquired using the applicable GET command. For details, refer to the GET command. 								Model	Menu	SX50	[Image adjustments] - [Screen color correction]	SX6		SX60	[Display settings] - [Screen color correction]	X600	
Model	Menu																	
SX50	[Image adjustments] - [Screen color correction]																	
SX6																		
SX60	[Display settings] - [Screen color correction]																	
X600																		
Example	<p>Control</p> <p>> WB=NORMAL This sets the screen color correction to "Normal". < i:OK</p> <p>Reference</p> <p>> GET WB or ?WB This retrieves the screen color correction. < g:WB=GREENBOARD</p> <p>Acquisition of parameters which can be set</p> <p>> RANGE WB < r:WB=I,NORMAL,GREENBOARD,ADJUST "NORMAL," "GREENBOARD" or "ADJUST" can be set for the screen color correction.</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																	
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input										Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

** "i:BUSY" may be returned if the power status is being switched.

Commands	WBRGB	Mode	Control	Setting	Reference										
Function	Screen color correction (ADJUST)														
Format	WBRGB=<R adjustment value: Number>▽<G adjustment value: Number>▽<B adjustment value: Number>														
Parameter	RGB setting value (Each value -20 to 20) The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.				Number										
Response	An 'i:OK' is returned after setting is successful. For all other responses, refer to "Error List."														
Description	This sets the RGB adjustment values of the screen color correction. <ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 Although this setting is enabled when Adjustment (ADJUST) is selected by the screen color correction command (WB), it can be made independently. -3 This command is the same as the menu functions in the table below. <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Image adjustments] - [Screen color correction] - [Adjustments]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [Screen color correction] - [Adjustments]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> -4 With this command, the R, G, and B values can be set in a single operation. -5 When the model SX50 is used, the currently selected input signal and image mode settings are <li style="padding-left: 20px;">When the model SX6, SX60 or X600 is used, a set of settings is established for the system. -6 The GET command can be used to retrieve the current RGB adjustment values. For details, refer to the GET command. 					Model	Menu	SX50	[Image adjustments] - [Screen color correction] - [Adjustments]	SX6		SX60	[Display settings] - [Screen color correction] - [Adjustments]	X600	
Model	Menu														
SX50	[Image adjustments] - [Screen color correction] - [Adjustments]														
SX6															
SX60	[Display settings] - [Screen color correction] - [Adjustments]														
X600															
Example	Setting > WBRGB=10, 11, 12 This sets R to 10, G to 11, and B to 12. < i:OK Reference > GET WBRGB or ?WBRGB This retrieves the RGB adjustment values. < g:WBRGB=-10, 0, 19 Obtain settable parameter range (Min, Max) > RANGE WBRGB < r:WBRGB=N,-20,20,-20,20,-20,20 Any value from -20 to 20 can be set for each color as the RGB adjustment values. * Commands are indicated by ">", and responses are indicated by "<".														
Commands supported	SX50	SX6	SX60	X600											
	01.00**	01.01**	01.01**	01.01**											
	○	○	○	○											

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	-	-	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

** 'i:BUSY' may be returned if the power status is being switched.

Commands	SAT				Mode	Control	Setting	Reference										
Function	Color saturation setting																	
Format	SAT=<Color saturation value setting: Number>																	
Parameter	Saturation setting (-20 to 20) The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.						Number											
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	<p>This sets the screen color saturation.</p> <ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) Furthermore, it may not be possible to execute the command with some input signals. -2 This command is the same as the menu functions in the table below. <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Image adjustments] - [Saturation]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Image adjustments] - [Color adjustments] - [Saturation]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> -3 This sets the currently selected input signal and image mode. -4 The GET command can be used to retrieve the current color saturation. For details, refer to the GET command. 								Model	Menu	SX50	[Image adjustments] - [Saturation]	SX6		SX60	[Image adjustments] - [Color adjustments] - [Saturation]	X600	
Model	Menu																	
SX50	[Image adjustments] - [Saturation]																	
SX6																		
SX60	[Image adjustments] - [Color adjustments] - [Saturation]																	
X600																		
Example	<p>Setting</p> <p>> SAT=-10 This sets the color saturation to -10.</p> <p>< i:OK</p> <p>Reference</p> <p>> GET SAT or ?SAT This retrieves the color saturation.</p> <p>< g:SAT=1</p> <p>Obtain settable parameter range (Min, Max)</p> <p>> RANGE SAT</p> <p>< r:SAT=N,-20,20 Any value from -20 to 20 can be set for the saturation.</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																	
Commands supported	SX50	SX6	SX60	X600														
	01.00**	01.01**	01.01**	01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	-	-	○	○	x	
SX6	x	○	x	x	x	x	○	○	○	x	x	○	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	HUE				Mode	Control	Setting	Reference										
Function	Hue setting																	
Format	HUE=<Hue setting value: Number>																	
Parameter	Hue setting (-20 to 20) The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.						Number											
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	This sets the screen hue. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) Furthermore, it may not be possible to execute the command with some input signals. -2 This command is the same as the menu functions in the table below. <table border="1" style="margin: 10px auto; border-collapse: collapse;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Image adjustments] - [Hue]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Image adjustments] - [Color adjustments] - [Hue]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -3 An input signal is required when "VIDEO" or "S-VIDEO" is selected. -4 This sets the currently selected input signal and image mode. -5 The GET command can be used to retrieve the current hue. For details, refer to the GET command.								Model	Menu	SX50	[Image adjustments] - [Hue]	SX6		SX60	[Image adjustments] - [Color adjustments] - [Hue]	X600	
Model	Menu																	
SX50	[Image adjustments] - [Hue]																	
SX6																		
SX60	[Image adjustments] - [Color adjustments] - [Hue]																	
X600																		
Example	Setting > HUE=8 This sets the hue to +8. < i:OK Reference > GET HUE or ?HUE This retrieves the hue. < g:HUE=1 Obtain settable parameter range (Min, Max) > RANGE HUE < r:HUE=N,-20,20 Any value from -20 to 20 can be set for the hue. * Commands are indicated by ">", and responses are indicated by "<".																	
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	-	-	-	-	-	○	○	x
SX6							○	-	-				○		
SX60	x	○	x	x	x	x				x	x		○	x	
X600							-	○	○			x			

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RGBGAIN				Mode	Control	Setting	Reference
Function	RGB gain adjustment							
Format	RGBGAIN=<R gain setting: Number>▽<G gain setting: Number>▽<B gain setting: Number>							
Parameter	RGB gain settings (from -20 to 20 for each value)						Number	
	The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.							
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."							
Description	<p>This command is used to adjust the gain of the R, G and B colors.</p> <p>(1) It can be executed when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) This command functions in the same way as when "Image adjustments" - "Color adjustments" - "Red/green/blue gain" are selected on the menu.</p> <p>(3) This sets the currently selected input signal and image mode.</p> <p>(4) The current RGB gain values can be obtained using the GET command. For details, refer to the GET command.</p>							
Example	<p>Setting</p> <p>> RGBGAIN=10, 11, 12 The R gain is set to 10, G gain to 11 and B gain to 12.</p> <p>< i:OK</p> <p>Reference</p> <p>> GET RGBGAIN or ?RGBGAIN The RGB gain values are obtained.</p> <p>< g:RGBGAIN=-10, 0, 19</p> <p>Obtain settable parameter range (Min, Max)</p> <p>> RANGE RGBGAIN</p> <p>< r:RGBGAIN=N,-20,20,-20,20,-20,20 A number from -20 to 20 can be set for each color as the RGB gain values.</p> <p>*Commands are indicated by ">", and responses are indicated by "<".</p>							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	x	o	o	o				
When a command is not supported, "e:0002 INVALID COMMAND" is returned.								

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RGBOFFSET				Mode	Control	Setting	Reference
Function	RGB offset adjustment							
Format	RGBOFFSET=<R offset setting: Number>∇<G offset setting: Number>∇<B offset setting: Number>							
Parameter	RGB offset settings (-20 to 20 for each value)						Number	
	The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.							
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."							
Description	<p>This command is used to adjust the offset of the R, G and B colors.</p> <p>(1) It can be executed when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) This command functions in the same way as when "Image adjustments" - "Color adjustments" - "Red/green/blue offset" are selected on the menu.</p> <p>(3) This sets the currently selected input signal and image mode.</p> <p>(4) The current RGB offset values can be obtained using the GET command. For details, refer to the GET command.</p>							
Example	<p>Setting</p> <p>> RGBOFFSET=10, 11, 12 The R offset is set to 10, G offset to 11 and B offset to 12.</p> <p>< i:OK</p> <p>Reference</p> <p>> GET RGBOFFSET or ?RGBOFFSET The RGB offset values are obtained.</p> <p>< g:RGBOFFSET=-10, 0, 19</p> <p>Obtain settable parameter range (Min, Max)</p> <p>> RANGE RGBOFFSET</p> <p>< r:RGBOFFSET=N,-20,20,-20,20,-20,20 A number from -20 to 20 can be set for each color as the RGB offset values.</p> <p>*Commands are indicated by ">", and responses are indicated by "<".</p>							
Commands supported	SX50	SX6	SX60	X600				
	01. 00**	01. 01**	01. 01**	01. 01**				
	x	o	o	o				
When a command is not supported, "e:0002 INVALID COMMAND" is returned.								

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	ACADJUST				Mode	Control	Setting	Reference											
Function	Advanced color adjustment																		
Format	ACADJUST=<Advanced color adjustment parameter:ID>																		
Parameter	Advanced color adjustment parameters							ID											
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>NOCORRECT</td> <td>No adjustment</td> </tr> <tr> <td>MEM_L</td> <td>Low memory color adjustment</td> </tr> <tr> <td>MEM_M</td> <td>Medium memory color adjustment</td> </tr> <tr> <td>MEM_H</td> <td>High memory color adjustment</td> </tr> <tr> <td>6AX</td> <td>6-axis adjustment</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>								Parameter	Meaning	NOCORRECT	No adjustment	MEM_L	Low memory color adjustment	MEM_M	Medium memory color adjustment	MEM_H	High memory color adjustment	6AX
Parameter	Meaning																		
NOCORRECT	No adjustment																		
MEM_L	Low memory color adjustment																		
MEM_M	Medium memory color adjustment																		
MEM_H	High memory color adjustment																		
6AX	6-axis adjustment																		
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																		
Description	<p>The advanced color correction method is set by selecting from "No correction", "Low to High memory color correction", and "6-axis adjustment".</p> <ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is identical to the Color balance function in the Image adj. menu. -3 In the case of "6-axis adjustment," set the hue and color saturation of each axis using the 6AXR to Y "6-axis correction R to Y hue/color saturation setting" commands. -4 This sets the currently selected input signal and image mode. -5 The GET command can be used to retrieve the current color compensation method. For details, refer to the GET command. 																		
Example	<p>Control</p> <p>> ACADJUST=MEM_M The color correction is set to "Medium memory color adjustment".</p> <p>< i:OK</p> <p>Reference</p> <p>> GET ACADJUST or ?ACADJUST This retrieves the color correction method.</p> <p>< g:ACADJUST=6AX</p> <p>Acquisition of parameters which can be set</p> <p>> RANGE ACADJUST</p> <p>< r:ACADJUST=i,NOCORRECT,MEM_L,MEM_M,MEM_H,6AX "NO CORRECT," "MEM_L," "MEM_M," "MEM_H" or "6AX" can be set as the color correction method.</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																		
Commands supported	SX50	SX6	SX60	X600															
	01.00**	01.01**	01.01**	01.01**															
	○	×	×	×															
	When a command is not supported, "e:0002 INVALID_COMMAND" is returned.																		

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	×	○	×	×	×	×	○	○	○	-	-	○	○	×	
SX6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands		MEMCADJ				Mode	Control	Setting	Reference								
Function	Memory color adjustment																
Format	MEMCADJ=<Memory color adjustment parameter:ID>																
Parameter	Memory color adjustment parameters								ID								
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>No adjustment</td> </tr> <tr> <td>MEM_L</td> <td>Low memory color adjustment</td> </tr> <tr> <td>MEM_M</td> <td>Medium memory color adjustment</td> </tr> <tr> <td>MEM_H</td> <td>High memory color adjustment</td> </tr> </tbody> </table>		Parameter	Meaning	OFF	No adjustment	MEM_L	Low memory color adjustment		MEM_M	Medium memory color adjustment	MEM_H	High memory color adjustment	The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.			
Parameter	Meaning																
OFF	No adjustment																
MEM_L	Low memory color adjustment																
MEM_M	Medium memory color adjustment																
MEM_H	High memory color adjustment																
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																
Description	This command is used to select no adjustment (OFF), low (MEM_L), medium (MEM_M) or high (MEM_H) as the memory color adjustment setting. <ol style="list-style-type: none"> (1) It can be executed when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) (2) This command functions in the same way as when "Image adjustments" - "Memory color adjustment" are selected on the menu. (3) This sets the currently selected input signal and image mode. (4) The current memory color adjustment setting can be obtained using the GET command. For details, refer to the GET command. 																
Example	Control > MEMCADJ=MEM_M < i:OK				The color adjustment is set to "Medium memory color adjustment".												
	Reference > GET MEMCADJ or ?MEMCADJ < g:MEMCADJ=MEM_M				The memory color adjustment level is obtained.												
Commands supported	Acquisition of parameters which can be set > RANGE MEMCADJ < r:MEMCADJ=I,OFF,MEM_L,MEM_M,MEM_H				No adjustment (OFF), low (MEM_L), medium (MEM_M) or high (MEM_H) can be set for the memory color adjustment.												
	*Commands are indicated by ">", and responses are indicated by "<".																
Commands supported	SX50	SX6	SX60	X600													
	01.00**	01.01**	01.01**	01.01**													
	x	o	o	o													
When a command is not supported, "e:002 INVALID.COMMAND" is returned.																	

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	6AXADJ				Mode	Control	Setting	Reference						
Function	6-axis adjustment ON/OFF													
Format	6AXADJ=<6-axis adjustment parameter:ID>													
Parameter	<table border="1" style="width: 100%;"> <thead> <tr> <th style="background-color: #90EE90;">Parameter</th> <th style="background-color: #90EE90;">Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>This sets the 6-axis adjustment to ON.</td> </tr> <tr> <td>OFF</td> <td>This sets the 6-axis adjustment to OFF.</td> </tr> </tbody> </table>						Parameter	Meaning	ON	This sets the 6-axis adjustment to ON.	OFF	This sets the 6-axis adjustment to OFF.	ID	
Parameter	Meaning													
ON	This sets the 6-axis adjustment to ON.													
OFF	This sets the 6-axis adjustment to OFF.													
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."													
Description	This command is used to select ON or OFF for the 6-axis adjustment. (1) It can be executed when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) (2) In the case of "6-axis adjustment," set the hue and color saturation of each axis using the 6AXR to Y "6-axis correction R to Y hue/color saturation setting" commands. (3) This command functions in the same way as when "Image adjustments" - "6-axis adjustment" are selected on the menu. (4) This sets the currently selected input signal and image mode. (5) The current 6-axis adjustment setting can be obtained using the GET command. For details, refer to the GET command.													
Example	Control > 6AXADJ=ON The 6-axis adjustment is set to ON. < i:OK Reference > GET 6AXADJ or ?6AXADJ The 6-axis adjustment ON or OFF setting is obtained. < g:6AXADJ=ON Acquisition of parameters which can be set > RANGE 6AXADJ < r:6AXADJ=I,ON,OFF The 6-axis adjustment can be set as "ON" or "OFF." *Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**										
	x	○	○	○										
When a command is not supported, "e:0002 INVALID COMMAND" is returned.														

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

*If a state is not supported, "INVALID.MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	LAMP				Mode	Control	Setting	Reference										
Function	Lamp output setting																	
Format	LAMP=<Lamp output setting parameters:ID>																	
Parameter	Lamp output setting parameters <table border="1" style="margin-top: 10px;"> <thead> <tr> <th style="background-color: #d3d3d3;">Parameter</th> <th style="background-color: #d3d3d3;">Meaning</th> </tr> </thead> <tbody> <tr> <td>NORMAL</td> <td>Normal</td> </tr> <tr> <td>SILENT</td> <td>Silent cooling</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>						Parameter	Meaning	NORMAL	Normal	SILENT	Silent cooling	ID					
Parameter	Meaning																	
NORMAL	Normal																	
SILENT	Silent cooling																	
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	<p>This command is used to set the light quantity of the lamp to "NORMAL" or "SILENT" (reduced light quantity appropriate for silent cooling).</p> <p>-1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>-2 This command is the same as the menu functions in the table below.</p> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th style="background-color: #d3d3d3;">Model</th> <th style="background-color: #d3d3d3;">Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Image adjustments] - [Lamp mode]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Image adjustments] - [Lamp mode]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <p>-3 The current lamp output can be acquired using the applicable GET command. For details, refer to the GET command.</p>								Model	Menu	SX50	[Image adjustments] - [Lamp mode]	SX6		SX60	[Image adjustments] - [Lamp mode]	X600	
Model	Menu																	
SX50	[Image adjustments] - [Lamp mode]																	
SX6																		
SX60	[Image adjustments] - [Lamp mode]																	
X600																		
Example	<p>Setting > LAMP=NORMAL The lamp output is set to "NORMAL". < i:OK</p> <p>Reference > GET LAMP or ?LAMP This retrieves the lamp output. < g:LAMP=SILENT</p> <p>Acquisition of parameters which can be set > RANGE LAMP < r:LAMP=I, NORMAL, SILENT "NORMAL" or "SILENT" can be set for the lamp output.</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																	
Commands supported	SX50	SX6	SX60	X600														
	01.00**	01.01**	01.01**	01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	-	-	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

** "i:BUSY" may be returned if the power status is being switched.

Commands	RESET				Mode	Control	Setting	Reference								
Function	Reset															
Format	RESET□<Reset parameters:ID>															
Parameter	Reset parameters							ID								
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>LAMPTIME</td> <td>Lamp on time reset</td> </tr> <tr> <td>IMAGE</td> <td>Current image adjustment reset</td> </tr> <tr> <td>SYSTEM</td> <td>Initial system settings</td> </tr> <tr> <td>ALL</td> <td>Factory settings</td> </tr> </tbody> </table>		Parameter	Meaning	LAMPTIME	Lamp on time reset	IMAGE		Current image adjustment reset	SYSTEM	Initial system settings	ALL	Factory settings			
Parameter	Meaning															
LAMPTIME	Lamp on time reset															
IMAGE	Current image adjustment reset															
SYSTEM	Initial system settings															
ALL	Factory settings															
Response	An 'i:OK' is returned when the reset process is successful. Furthermore, the internal status established when a response other than the normal response ("i:OK") has been returned is indeterminate. For all other responses, refer to "Error List."															
Description	This resets the projector settings. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 What can be specified by the reset parameters for each "reset type" is provided below. <ul style="list-style-type: none"> ■ Reset of lamp on time <ul style="list-style-type: none"> (a) The counter indicating the lamp replacement period is reset. (b) This command is identical to the Reset function under Lamp counter in the System settings menu. (c) Execute this command after replacing the lamp. ■ Current image adjustment reset <ul style="list-style-type: none"> (a) The adjustment settings of the currently-selected image mode are initialized. (b) This command is identical to the Reset function in the Image adj. menu. ※ If there is an input signal, the image adjustment items are initialized and then the adjustment values are optimized for the signal. ■ Reset of system settings <ul style="list-style-type: none"> (a) The following items are initialized. <ul style="list-style-type: none"> - Image adjustment items (all image modes) - Initial settings executed * For details, refer to 'RESET items' at the end of these specifications. (b) This command works in the same way as the menu [System settings] - [Initial settings] function. ■ Factory settings <ul style="list-style-type: none"> (a) The following items are initialized. <ul style="list-style-type: none"> - Image adjustment items (all image modes) - Initial settings executed - Input source <-A-RGB2 - Language <- English * For details, refer to 'RESET items' at the end of these specifications. -3 Notes <ul style="list-style-type: none"> (a) The power must never be turned off while this command is being executed! (b) After the 'Factory settings,' be absolutely sure to turn the power off and then restart. (c) 'NO_SIGNAL' may be returned as the response to the command after 'Current image adjustment reset' or 'System initial setting' has been executed. 															
Example	Control > RESET LAMPTIME This resets the lamp on time. < i:OK * Commands are indicated by ">", and responses are indicated by "<".															
Commands supported	SX50	SX6	SX60	X600												
	01.00**	01.01**	01.01**	01.01**												
	○	○	○	○												

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	VKS/HKS				Mode	Control	Setting	Reference
Function	Vertical/Horizontal keystone setting							
Format	VKS=<Vertical keystone distortion value: Number> HKS=<Horizontal keystone distortion value: Number>							
Parameter	Vertical/horizontal keystone distortion values							Number
	The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.							
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."							
Description	This sets the vertical and horizontal keystones. <ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is identical to pressing the "KEystone" button on the remote control or front panel. -3 The settable keystone range varies depending on the input signal, screen size, number of horizontal and vertical dots, and other factors. -4 Changing the vertical keystone value modifies the setting range of the horizontal keystone value, and changing the horizontal keystone value modifies the setting range of the vertical keystone value. -5 Use the "RANGE" command to obtain the range of settable values immediately before setting the vertical value and horizontal value. -6 The GET command can be used to obtain the current vertical/horizontal keystone value. For details, refer to the GET command. 							
Example	Setting > VKS=-23 This sets the vertical keystone to -23. < i:OK > HKS=10 This sets the horizontal keystone to 10. < i:OK Reference > GET VKS or ?VKS This retrieves the vertical keystone. < g:VKS=-23 > GET HKS or ?HKS This retrieves the horizontal keystone. < g:HKS=-23 Obtain settable parameter range (Min, Max) > RANGE HKS < r:HKS=N,-30,30 Any value from -30 to 30 can be set for the horizontal keystone distortion.							
Commands supported	SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**							
	○				○	○	○	○

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* If the necessary signals are not input, 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	AVOL				Mode	Control	Setting	Reference										
Function	Audio volume adjustment																	
Format	AVOL=<Audio volume level: Number>																	
Parameter	Audio volume level (0 to 20) The RANGE command can be used to obtain the parameter range that can be set at that time. For details, refer to the RANGE command.						Number											
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	<p>This adjusts the volume.</p> <ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The final beep sound setting is retained even when the power is turned off. -3 This command has the same function as the buttons listed in the table below. <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Model</th> <th>Button</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>'VOL+' and 'VOL-' on the remote control</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>'VOL' on the remote control</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> -4 The volume level can be set even while the sound is muted, but the sound will remain muted. -5 The GET command can be used to retrieve the current volume. For details, refer to the GET command. 								Model	Button	SX50	'VOL+' and 'VOL-' on the remote control	SX6		SX60	'VOL' on the remote control	X600	
Model	Button																	
SX50	'VOL+' and 'VOL-' on the remote control																	
SX6																		
SX60	'VOL' on the remote control																	
X600																		
Example	<p>Setting</p> <p>> AVOL=18 This sets the volume to 18.</p> <p>< i:OK</p> <p>Reference</p> <p>> GET AVOL or ?AVOL This retrieves the volume.</p> <p>< g:AVOL=18</p> <p>Obtain settable parameter range (Min, Max)</p> <p>> RANGE AVOL</p> <p>< r:AVOL=N,0,20 Any value from 0 to 20 can be set for the volume level.</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																	
Commands supported	SX50	SX6	SX60	X600														
	01.00**	01.01**	01.01**	01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	MUTE				Mode	Control	Setting	Reference		
Function	Mute control									
Format	MUTE=<Mute control parameter: ID>									
Parameter	Mute control parameter							ID		
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>This turns off the audio/beep sound.</td> </tr> <tr> <td>OFF</td> <td>This returns the audio/beep sound to its original setting.</td> </tr> </tbody> </table>		Parameter	Meaning	ON	This turns off the audio/beep sound.	OFF		This returns the audio/beep sound to its original setting.	The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.
Parameter	Meaning									
ON	This turns off the audio/beep sound.									
OFF	This returns the audio/beep sound to its original setting.									
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."									
Description	<p>This command is used to set the sound output muting to ON or OFF.</p> <ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The mute setting is always "OFF" when the power has just been turned on. -3 This command is identical to pressing the MUTE button on the remote control. -4 Mute control enables simultaneous control of the audio and beep sound. -5 The current muting status can be acquired using the applicable GET command. For details, refer to the GET command. 									
Example	Setting > MUTE=ON This mutes the volume. < i:OK Reference > GET MUTE or ?MUTE This retrieves the volume state. < g:MUTE=ON Acquisition of parameters which can be set > RANGE MUTE < r:MUTE=l, ON, OFF "ON" or "OFF" can be set for muting control. * Commands are indicated by ">", and responses are indicated by "<".									
	Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**					
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>						

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	o	x	o	o	o	o	o	o	-	-	o	o	x	
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	BVOL	Mode	Control	Setting	Reference				
Function	BEEP sound setting								
Format	BVOL=<Beep sound setting: Number>								
Parameter	Beep sound setting				ID				
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>BEEP sound mute</td> </tr> <tr> <td>1</td> <td>BEEP sound output</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>					Parameter	Meaning	0	BEEP sound mute
Parameter	Meaning								
0	BEEP sound mute								
1	BEEP sound output								
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."								
Description	<p>This sets the BEEP sound output.</p> <ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is identical to the Beep function in the System settings menu. -3 The beep sound can be set even while the sound is muted, but it will not sound even if (beep sound output) has been set. -4 The current beep sound output status can be acquired using the applicable GET command. For details, refer to the GET command. 								
Example	<p>Setting > BVOL=0 This mutes the BEEP sound. < i:OK</p> <p>Reference > GET BVOL or ?BVOL This retrieves the BEEP sound output state. < g:BVOL=1</p> <p>Acquisition of parameters which can be set > RANGE BVOL < r:BVOL=I, 0, 1 "0" or "1" can be selected as the beep sound setting.</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>								
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**					
	○	○	○	○					

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	IMAGEFLIP	Mode	Control	Setting	Reference															
Function	Flip display																			
Format	IMAGEFLIP=<Image flip setting parameters :ID>																			
Parameter	Image flip setting parameters <table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>NONE</td> <td>None</td> <td></td> </tr> <tr> <td>CEILING</td> <td>Ceiling</td> <td>Flip horizontally</td> </tr> <tr> <td>REAR</td> <td>Rear</td> <td>Flip vertically</td> </tr> <tr> <td>REAR_CEILING</td> <td>Rear ceiling</td> <td>Flip horizontally and vertically</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>				Parameter	Meaning	Remarks	NONE	None		CEILING	Ceiling	Flip horizontally	REAR	Rear	Flip vertically	REAR_CEILING	Rear ceiling	Flip horizontally and vertically	ID
Parameter	Meaning	Remarks																		
NONE	None																			
CEILING	Ceiling	Flip horizontally																		
REAR	Rear	Flip vertically																		
REAR_CEILING	Rear ceiling	Flip horizontally and vertically																		
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																			
Description	This command is used to flip the screen display in various ways (vertically or horizontally). -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) -2 This command is the same as the menu functions in the table below. <table border="1"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Display settings] - [Flip display]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [Flip display]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -3 When the display is flipped, the "keystone distortion" settings are initialized (set to HKS:0, VKS:0). -4 The current flip display status can be acquired using the applicable GET command. For details, refer to the GET command.					Model	Menu	SX50	[Display settings] - [Flip display]	SX6		SX60	[Display settings] - [Flip display]	X600						
Model	Menu																			
SX50	[Display settings] - [Flip display]																			
SX6																				
SX60	[Display settings] - [Flip display]																			
X600																				
Example	Setting > IMAGEFLIP=REAR This displays the image backwards (flip vertically) on the screen. < i:OK Reference > GET IMAGEFLIP or ?IMAGEFLIP This retrieves the flip display state. < g:IMAGEFLIP=REAR_CEILING Acquisition of parameters which can be set > RANGE IMAGEFLIP < r:IMAGEFLIP=I,NONE,CEILING,REAR,REAR_CEILING "NONE," "CEILING," "REAR" or "REAR CEILING" can be selected as the flip display setting. * Commands are indicated by ">", and responses are indicated by "<".																			
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**																

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	o	x	o	o	o	o	o	o	-	-	o	o	x	
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	PMM	Mode	Control	Setting	Reference																		
Function	Power management																						
Format	PMM=<Power management setting parameters :ID>																						
Parameter	Power management setting parameters <table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>OFF</td> </tr> <tr> <td>STANDBY</td> <td>Standby mode</td> </tr> <tr> <td>EXIT</td> <td>Exit mode</td> </tr> </tbody> </table>				Parameter	Meaning	OFF	OFF	STANDBY	Standby mode	EXIT	Exit mode	ID										
Parameter	Meaning																						
OFF	OFF																						
STANDBY	Standby mode																						
EXIT	Exit mode																						
	The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.																						
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																						
Description	This sets Power management mode. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is the same as the menu functions in the table below. <table border="1"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[System settings] - [Power management modes]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[System settings] - [Power management modes]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -2 With the SX6, SX60 or X600, power management cannot be set to OFF if ON has been selected as the direct power-on setting (DPON=ON). ("e:1005 DIRECT_POWER_ON" is -3 The projector behaves as follows with the power management setting and in the remote mode. <table border="1"> <thead> <tr> <th>Model</th> <th>Projector behavior</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>In the remote mode, the power management setting is ignored. This setting takes effect only when the local mode is established.</td> </tr> <tr> <td>SX6 SX60</td> <td>Even in the remote mode, the projector operates as per the power management setting.</td> </tr> <tr> <td>X600</td> <td>However, when it starts operating, it is automatically transferred to the "local mode."</td> </tr> </tbody> </table> -4 The current power management mode can be acquired using the applicable GET command. For details, refer to the GET command.					Model	Menu	SX50	[System settings] - [Power management modes]	SX6		SX60	[System settings] - [Power management modes]	X600		Model	Projector behavior	SX50	In the remote mode, the power management setting is ignored. This setting takes effect only when the local mode is established.	SX6 SX60	Even in the remote mode, the projector operates as per the power management setting.	X600	However, when it starts operating, it is automatically transferred to the "local mode."
Model	Menu																						
SX50	[System settings] - [Power management modes]																						
SX6																							
SX60	[System settings] - [Power management modes]																						
X600																							
Model	Projector behavior																						
SX50	In the remote mode, the power management setting is ignored. This setting takes effect only when the local mode is established.																						
SX6 SX60	Even in the remote mode, the projector operates as per the power management setting.																						
X600	However, when it starts operating, it is automatically transferred to the "local mode."																						
Example	Setting > PMM=STANDBY This sets the power management to "standby." < i:OK Reference > GET PMM or ?PMM This retrieves the Power management mode. < g:PMM=EXIT Acquisition of parameters which can be set > RANGE PMM < r:PMM=I, OFF, STANDBY, EXIT "OFF," "STANDBY" or "EXIT" can be set for the power management. * Commands are indicated by ">", and responses are indicated by "<".																						
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**																			

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	o	x	o	o	o	o	o	o	-	-	o	o	x	
SX6 SX60 X600	x	o	x	o	o	o	o	o	o	o	o	o	o	x	

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.
 * "i:BUSY" may be returned if the power status is being switched.

Commands	PJon				Mode	Control	Setting	Reference										
Function	Display screen at startup setting																	
Format	PJon=<Parameters for setting display screen at startup;ID>																	
Parameter	Parameters for setting display screen at startup						ID											
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>CANON</td> <td>Canon logo</td> </tr> <tr> <td>SKIP</td> <td>No display</td> </tr> <tr> <td>LOGO</td> <td>User screen</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>								Parameter	Meaning	CANON	Canon logo	SKIP	No display	LOGO	User screen		
Parameter	Meaning																	
CANON	Canon logo																	
SKIP	No display																	
LOGO	User screen																	
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	<p>This sets the screen displayed at startup.</p> <p>-1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>-2 This command is the same as the menu functions in the table below.</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Display settings] - [User screen settings] - [Screen at startup]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [User screen settings] - [Screen at startup]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <p>-3 To select the user screen (LOGO), the user image must be registered ahead of time. (If the user image is not registered, "e:1002 NO_LOGO_CAPTURED" is returned.)</p> <p>-4 The GET command can be used to obtain the current screen displayed at startup. For details, refer to the GET command.</p>								Model	Menu	SX50	[Display settings] - [User screen settings] - [Screen at startup]	SX6		SX60	[Display settings] - [User screen settings] - [Screen at startup]	X600	
Model	Menu																	
SX50	[Display settings] - [User screen settings] - [Screen at startup]																	
SX6																		
SX60	[Display settings] - [User screen settings] - [Screen at startup]																	
X600																		
Example	<p>Setting</p> <p>> PJon=CANON This sets the startup screen to "Canon logo". < i:OK</p> <p>Reference</p> <p>> GET PJon or ?PJon This retrieves the startup screen. < g:PJon=SKIP</p> <p>Acquisition of parameters which can be set</p> <p>> RANGE PJon "CANON," "SKIP" or "LOGO" can be set for the display screen at startup. < r:PJon=I, CANON, SKIP, LOGO</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																	
	Commands supported	SX50	SX6	SX60	X600													
	01.00**	01.01**	01.01**	01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	-	-	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	NOSIG	Mode	Control	Setting	Reference										
Function	Display screen when no signal setting														
Format	NOSIG=<Parameters for setting display screen in no-signal mode:ID>														
Parameter	Parameters for setting display screen in no-signal mode <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>BLACK</td> <td>Black screen</td> </tr> <tr> <td>BLUE</td> <td>Blue screen</td> </tr> <tr> <td>LOGO</td> <td>User screen</td> </tr> </tbody> </table> The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.				Parameter	Meaning	BLACK	Black screen	BLUE	Blue screen	LOGO	User screen	ID		
Parameter	Meaning														
BLACK	Black screen														
BLUE	Blue screen														
LOGO	User screen														
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."														
Description	This sets the display screen when no image signals are input. <p>-1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> -2 This command is the same as the menu functions in the table below.														
	<table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Display settings] - [User screen settings] - [Screen in no-signal mode]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [User screen settings] - [Screen in no-signal mode]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -3 To select the user screen (LOGO), the user image must be registered ahead of time. (If the user image is not registered, "e:1002 NO_LOGO_CAPTURED" is returned.) -4 The GET command can be used to obtain the current display screen at no signal. For details, refer to the GET command.					Model	Menu	SX50	[Display settings] - [User screen settings] - [Screen in no-signal mode]	SX6		SX60	[Display settings] - [User screen settings] - [Screen in no-signal mode]	X600	
Model	Menu														
SX50	[Display settings] - [User screen settings] - [Screen in no-signal mode]														
SX6															
SX60	[Display settings] - [User screen settings] - [Screen in no-signal mode]														
X600															
Example	Setting > NOSIG=BLUE This sets the "Blue" screen when no signals are input. < i:Ok Reference > GET NOSIG or ?NOSIG This retrieves the screen when no signals are input. < g:NOSIG=LOGO Acquisition of parameters which can be set > RANGE NOSIG < r:NOSIG=I, BLACK, BLUE, LOGO "BLACK," "BLUE" or "LOGO" can be set for the display screen in the no-signal mode. * Commands are indicated by ">", and responses are indicated by "<".														
Commands supported	SX50	SX6	SX60	X600											
	01.00**	01.01**	01.01**	01.01**											
	○	○	○	○											

Supported Command States

Model	Power			Input										Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	—	—	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	NOSHOW				Mode	Control	Setting	Reference										
Function	Display screen setting when nothing shown																	
Format	NOSHOW=<Parameters for setting display screen in no show status :ID>																	
Parameter	Parameters for setting display screen in no show status						ID											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #92d050;">Parameter</th> <th style="background-color: #92d050;">Meaning</th> </tr> </thead> <tbody> <tr> <td>BLACK</td> <td>Black screen</td> </tr> <tr> <td>BLUE</td> <td>Blue screen</td> </tr> <tr> <td>LOGO</td> <td>User screen</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>						Parameter			Meaning	BLACK	Black screen	BLUE	Blue screen	LOGO	User screen			
Parameter	Meaning																	
BLACK	Black screen																	
BLUE	Blue screen																	
LOGO	User screen																	
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	<p>This command is used to set the screen which is to appear in the no show status.</p> <ul style="list-style-type: none"> -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is the same as the menu functions in the table below. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #92d050;">Model</th> <th style="background-color: #92d050;">Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Display settings] - [User screen settings] - [Screen in no show status]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [User screen settings] - [Screen in no show status]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> -3 To select the user screen (LOGO), the user image must be registered ahead of time. (If the user image is not registered, "e:1002 NO_LOGO_CAPTURED" is returned.) -4 The GET command can be used to obtain the current display screen when nothing is shown. For details, refer to the GET command. 								Model	Menu	SX50	[Display settings] - [User screen settings] - [Screen in no show status]	SX6		SX60	[Display settings] - [User screen settings] - [Screen in no show status]	X600	
Model	Menu																	
SX50	[Display settings] - [User screen settings] - [Screen in no show status]																	
SX6																		
SX60	[Display settings] - [User screen settings] - [Screen in no show status]																	
X600																		
Example	<p>Setting > NOSHOW=LOGO This sets the "User" screen when nothing is displayed. < Ok</p> <p>Reference > GET NOSHOW or ?NOSHOW This retrieves the screen shown when nothing is displayed. < g:NOSHOW=LOGO</p> <p>Acquisition of parameters which can be set > RANGE NOSHOW < r:NOSHOW=BLACK,BLUE,LOGO "BLACK," "BLUE" or "LOGO" can be set for the display screen in the no show status.</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																	
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	o	x	o	o	o	o	o	o	-	-	o	o	x	
SX6 SX60 X600	x	o	x	o	o	o	o	o	o	o	o	o	o	x	

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	LOGOPOS	Mode	Control	Setting	Reference												
Function	User image position setting																
Format	LOGOPOS=<User image position setting parameters:ID>																
Parameter	User image position setting parameters <table border="1" style="margin: 10px 0;"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>UPPER_L</td> <td>Upper left</td> </tr> <tr> <td>UPPER_R</td> <td>Upper right</td> </tr> <tr> <td>CENTER</td> <td>Center</td> </tr> <tr> <td>LOWER_L</td> <td>Lower left</td> </tr> <tr> <td>LOWER_R</td> <td>Lower right</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>				Parameter	Meaning	UPPER_L	Upper left	UPPER_R	Upper right	CENTER	Center	LOWER_L	Lower left	LOWER_R	Lower right	ID
Parameter	Meaning																
UPPER_L	Upper left																
UPPER_R	Upper right																
CENTER	Center																
LOWER_L	Lower left																
LOWER_R	Lower right																
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																
Description	This sets the logo display position. <p>-1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>-2 This command is the same as the menu functions in the table below.</p> <table border="1" style="margin: 10px 0;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[Display settings] - [User screen settings] - [User image position]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[Display settings] - [User screen settings] - [User image position]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> <p>-3 This setting cannot be made unless the user screen is registered beforehand. (Error "e:1002 NO_LOGO_CAPTURED" is returned.)</p> <p>-4 The current display position can be acquired using the applicable GET command. For details, refer to the GET command.</p>					Model	Menu	SX50	[Display settings] - [User screen settings] - [User image position]	SX6		SX60	[Display settings] - [User screen settings] - [User image position]	X600			
Model	Menu																
SX50	[Display settings] - [User screen settings] - [User image position]																
SX6																	
SX60	[Display settings] - [User screen settings] - [User image position]																
X600																	
Example	<p>Setting</p> <p>> LOGOPOS=UPPER_R This sets the logo display position to the upper right.</p> <p>< i:OK</p> <p>Reference</p> <p>> GET LOGOPOS or ?LOGOPOS This retrieves the logo display position.</p> <p>< g:LOGOPOS=LOWER_L</p> <p>Acquisition of parameters which can be set</p> <p>> RANGE LOGOPOS</p> <p>< r:LOGOPOS=I,UPPER_L,UPPER_R,CENTER,LOWER_L,LOWER_R</p> <p>"UPPER_L," "UPPER_R," "CENTER," "LOWER_L" or "LOWER_R" can be set as the user image position.</p> <p>* Commands are indicated by ">," and responses are indicated by "<".</p>																
Commands supported	SX50	SX6	SX60	X600													
	01.00**	01.01**	01.01**	01.01**													
	○	○	○	○													

Supported Command States

Model	Power			Input										Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	LANG				Mode	Control	Setting	Reference																																																																																																																																		
Function	Language select																																																																																																																																									
Format	LANG=<Language selection parameters:ID>																																																																																																																																									
Parameter	Language selection parameters <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Meaning</th> <th colspan="4">Errors supported by model</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr><td>ENG</td><td>English</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>FRA</td><td>French</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GER</td><td>German</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>ITA</td><td>Italian</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>SPA</td><td>Spanish</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>POR</td><td>Portuguese</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>SWE</td><td>Swedish</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>DUT</td><td>Dutch</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>RUS</td><td>Russian</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>CHS</td><td>Chinese (simplified)</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>CHT</td><td>Chinese (traditional)</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>KOR</td><td>Korean</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>JPN</td><td>Japanese</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>FIN</td><td>Finnish</td><td>×</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>NOR</td><td>Norwegian</td><td>×</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>TUR</td><td>Turkish</td><td>×</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>POL</td><td>Polish</td><td>×</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>HUN</td><td>Hungarian</td><td>×</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>CZE</td><td>Czech</td><td>×</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>DAN</td><td>Danish</td><td>×</td><td>○</td><td>○</td><td>○</td></tr> </tbody> </table>							Parameter	Meaning	Errors supported by model				SX50	SX6	SX60	X600	ENG	English	○	○	○	○	FRA	French	○	○	○	○	GER	German	○	○	○	○	ITA	Italian	○	○	○	○	SPA	Spanish	○	○	○	○	POR	Portuguese	○	○	○	○	SWE	Swedish	○	○	○	○	DUT	Dutch	○	○	○	○	RUS	Russian	○	○	○	○	CHS	Chinese (simplified)	○	○	○	○	CHT	Chinese (traditional)	○	○	○	○	KOR	Korean	○	○	○	○	JPN	Japanese	○	○	○	○	FIN	Finnish	×	○	○	○	NOR	Norwegian	×	○	○	○	TUR	Turkish	×	○	○	○	POL	Polish	×	○	○	○	HUN	Hungarian	×	○	○	○	CZE	Czech	×	○	○	○	DAN	Danish	×	○	○	○	ID
Parameter	Meaning	Errors supported by model																																																																																																																																								
		SX50	SX6	SX60	X600																																																																																																																																					
ENG	English	○	○	○	○																																																																																																																																					
FRA	French	○	○	○	○																																																																																																																																					
GER	German	○	○	○	○																																																																																																																																					
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SWE	Swedish	○	○	○	○																																																																																																																																					
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KOR	Korean	○	○	○	○																																																																																																																																					
JPN	Japanese	○	○	○	○																																																																																																																																					
FIN	Finnish	×	○	○	○																																																																																																																																					
NOR	Norwegian	×	○	○	○																																																																																																																																					
TUR	Turkish	×	○	○	○																																																																																																																																					
POL	Polish	×	○	○	○																																																																																																																																					
HUN	Hungarian	×	○	○	○																																																																																																																																					
CZE	Czech	×	○	○	○																																																																																																																																					
DAN	Danish	×	○	○	○																																																																																																																																					
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																																																																																																																																									
Description	This switches the screen display language. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is the same as the menu functions in the table below. <table border="1" style="width: 100%; margin: 10px 0;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[System settings] - [Languages]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[System settings] - [Languages]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -3 The currently set language can be acquired using the applicable GET command. For details, refer to the GET command.								Model	Menu	SX50	[System settings] - [Languages]	SX6		SX60	[System settings] - [Languages]	X600																																																																																																																									
Model	Menu																																																																																																																																									
SX50	[System settings] - [Languages]																																																																																																																																									
SX6																																																																																																																																										
SX60	[System settings] - [Languages]																																																																																																																																									
X600																																																																																																																																										
Example	Setting > LANG=SWE This sets the display language to "Swedish". < i:OK Reference > GET LANG or ?LANG This retrieves the language. < g:LANG=SWE Acquisition of parameters which can be set > RANGE LANG < r:LANG=I,ENG,FRA,GER,ITA,SPA,POR,SWE,DUT,RUS,CHS,CHT,KOR,JPN,FIN,NOR,TUR,POL,HUN,CZE,DAN * Commands are indicated by ">", and responses are indicated by "<".																																																																																																																																									
Commands supported	SX50	SX6	SX60	X600																																																																																																																																						
	○	○	○	○																																																																																																																																						

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	×	○	×	○	○	○	○	○	○	○	○	○	○	○	×
SX6	×	○	×	○	○	○	○	○	○	○	○	○	○	○	×
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

** "i:BUSY" may be returned if the power status is being switched.

Commands	TERMINAL				Mode	Control	Setting	Reference						
Function	Terminal setting													
Format	TERMINAL=<Terminal setting parameters:ID>													
Parameter	Terminal setting parameters <table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>IN</td> <td>This sets to input</td> </tr> <tr> <td>OUT</td> <td>This sets to output</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>							Parameter	Meaning	IN	This sets to input	OUT	This sets to output	ID
Parameter	Meaning													
IN	This sets to input													
OUT	This sets to output													
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."													
Description	This sets the input/output of the RGB-IN2/COMPONENT IN/RGB OUT terminals. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. -2 This command is identical to the Terminal command in the System settings menu. -3 The "OUT" (output) setting cannot be made when the "A-RGB2" or "COMP" input is selected! -4 The current terminal setting can be acquired using the applicable GET command. For details, refer to the GET command.													
Example	Setting > TERMINAL=IN This sets to input < i:OK Reference > GET TERMINAL or ?TERMINAL This retrieves the terminal setting state. < g:TERMINAL=OUT Acquisition of parameters which can be set > RANGE TERMINAL < r:TERMINAL=I, IN, OUT "IN" or "OUT" can be selected as the terminal setting. * Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**										
	○	x	x	x										
When a command is not supported, "e:0002 INVALID_COMMAND" is returned.														

Supported Command States

Model	Parameter	Power			Input									Mode	
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local
SX50	IN	x	○	x	○	○	○	○	○	○	-	-	○	○	x
	OUT	x	○	x	○	○	x	x	○	○	-	-	○	○	x
SX6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
X600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'TERMINAL_OUT' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	KEYLOCK				Mode	Control	Setting	Reference										
Function	Keylock setting																	
Format	KEYLOCK=<Key lock setting parameters:ID>																	
Parameter	Key lock setting parameters <table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>No locking (OFF)</td> </tr> <tr> <td>MAIN</td> <td>Main key lock</td> </tr> <tr> <td>RC</td> <td>Remote control key lock</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>						Parameter	Meaning	OFF	No locking (OFF)	MAIN	Main key lock	RC	Remote control key lock	ID			
Parameter	Meaning																	
OFF	No locking (OFF)																	
MAIN	Main key lock																	
RC	Remote control key lock																	
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	This command is used to lock the keys so as to restrict the operations performed using the remote control or main unit. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) -2 This command is the same as the menu functions in the table below. <table border="1"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[System settings] - [Key lock]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[System settings] - [Key lock]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -3 This command will not affect the emulation function (remote control or main unit commands) even if the main unit or remote control keys are locked! -4 The current key lock setting can be acquired using the applicable GET command. For details, refer to the GET command.								Model	Menu	SX50	[System settings] - [Key lock]	SX6		SX60	[System settings] - [Key lock]	X600	
Model	Menu																	
SX50	[System settings] - [Key lock]																	
SX6																		
SX60	[System settings] - [Key lock]																	
X600																		
Example	Setting > KEYLOCK=RC This locks the remote control keys. < i:OK Reference > GET KEYLOCK or ?KEYLOCK This retrieves the key lock state. < g:KEYLOCK=OFF Acquisition of parameters which can be set > RANGE KEYLOCK < r:KEYLOCK=1,OFF,MAIN,RC "OFF," "MAIN" or "RC" can be selected as the key lock setting. * Commands are indicated by ">", and responses are indicated by "<".																	
Commands supported	SX50	SX6	SX60	X600														
	01.00**	01.01**	01.01**	01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RCCH				Mode	Control	Setting	Reference										
Function	Remote control setting																	
Format	RCCH=<Remote control setting parameters:ID>																	
Parameter	Remote control setting parameters <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Remote control channel 1</td> </tr> <tr> <td>2</td> <td>Remote control channel 2</td> </tr> </tbody> </table> The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.							Parameter	Meaning	1	Remote control channel 1	2	Remote control channel 2	ID				
Parameter	Meaning																	
1	Remote control channel 1																	
2	Remote control channel 2																	
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."																	
Description	This command is used to set the channel of the remote control used at the projector end to 1 or 2. -1 It can be executed when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 This command is identical to the Remote control function in the System settings menu. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Model</th> <th>Menu</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>[System settings] - [Remote control]</td> </tr> <tr> <td>SX6</td> <td></td> </tr> <tr> <td>SX60</td> <td>[System settings] - [Other settings] - [Remote control]</td> </tr> <tr> <td>X600</td> <td></td> </tr> </tbody> </table> -3 The current remote control setting can be acquired using the applicable GET command. For details, refer to the GET command.								Model	Menu	SX50	[System settings] - [Remote control]	SX6		SX60	[System settings] - [Other settings] - [Remote control]	X600	
Model	Menu																	
SX50	[System settings] - [Remote control]																	
SX6																		
SX60	[System settings] - [Other settings] - [Remote control]																	
X600																		
Example	Setting > RCCH=1 This sets the remote control channel to ch1. < i:OK Reference > GET RCCH or ?RCCH This retrieves the remote control setting state. < g:RCCH=2 Acquisition of parameters which can be set > RANGE RCCH < r:RCCH=1, 2 "1" or "2" can be set as the remote control channel. * Commands are indicated by ">", and responses are indicated by "<".																	
Commands supported	SX50	SX6	SX60	X600														
	01.00**	01.01**	01.01**	01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

** "i:BUSY" may be returned if the power status is being switched.

Commands	GUIDE	Mode	Control	Setting	Reference						
Function	Guide setting										
Format	GUIDE=<Guide setting parameter:ID>										
Parameter	Guide setting parameters <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Guide display ON</td> </tr> <tr> <td>OFF</td> <td>Guide display OFF</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>				Parameter	Meaning	ON	Guide display ON	OFF	Guide display OFF	ID
Parameter	Meaning										
ON	Guide display ON										
OFF	Guide display OFF										
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."										
Description	This command is used to set the guide function display to ON or OFF. (1) It can be executed when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) (2) This command functions in the same way as when "System settings" - "Guide" are selected on the menu. However, the guide is cleared immediately when "GUIDE=OFF" is received while the guide is displayed. (3) The current guide setting can be obtained using the GET command. For details, refer to the GET command.										
Example	Setting > GUIDE=ON The guide display is set to ON. < i:OK Reference > GET GUIDE or ?GUIDE The guide display setting status is obtained. < g:GUIDE=ON Acquisition of parameters which can be set > RANGE GUIDE < r:GUIDE=I, OFF, ON *Commands are indicated by ">", and responses are indicated by "<".										
Commands supported	SX50	SX6	SX60	X600							
	01. 00**	01. 01**	01. 01**	01. 01**							
	x	○	○	○							
When a command is not supported, "e:0002 INVALID.COMMAND" is returned.											

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

*If a state is not supported, "INVALID.MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	DPON				Mode	Control	Setting	Reference				
Function	Direct power-on setting											
Format	DPON=<Direct power-on setting parameter:ID>											
Parameter	Direct power-on setting parameters						ID					
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>This sets direct power-on to ON.</td> </tr> <tr> <td>OFF</td> <td>This sets direct power-on to OFF.</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>								Parameter	Meaning	ON	This sets direct power-on to ON.
Parameter	Meaning											
ON	This sets direct power-on to ON.											
OFF	This sets direct power-on to OFF.											
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."											
Description	<p>This command is used to set direct power-on function to ON or OFF.</p> <p>(1) It can be executed when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) This command functions in the same way as when "System settings" - "Direct power-on" are selected on the menu.</p> <p>(3) Direct power-on cannot be set to ON when "OFF" has been selected as the power management setting. ("e:1004 POWER_MANAGEMENT_OFF" is returned.)</p> <p>(5) The current direct power-on setting can be obtained using the GET command. For details, refer to the GET command.</p>											
Example	<p>Setting</p> <p>> DPON=ON Direct power-on is set to ON. < i:OK</p> <p>Reference</p> <p>> GET DPON or ?DPON The current direct power-on setting is obtained. < g:DPON=ON</p> <p>Acquisition of parameters which can be set</p> <p>> RANGE DPON < r:DPON=I,ON,OFF "ON" or "OFF" can be set for direct power-on.</p> <p>*Commands are indicated by ">", and responses are indicated by "<".</p>											
Commands supported	SX50 01. 00**	SX6 01. 01**	SX60 01. 01**	X600 01. 01**								
	x	o	o	o								
When a command is not supported, "e:0002 INVALID_COMMAND" is returned.												

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	LEDILLUMINATE	Mode	Control	Setting	Reference				
Function	Emotional LED and signal sensing LED lighting control								
Format	LEDILLUMINATE=<LED lighting control setting parameter:ID>								
Parameter	LED lighting control setting parameters				ID				
	<table border="1" style="width: 100%;"> <thead> <tr style="background-color: #92d050;"> <th style="text-align: left;">Parameter</th> <th style="text-align: left;">Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>This sets the LED display to ON.</td> </tr> <tr> <td>OFF</td> <td>This sets the LED display to OFF.</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>					Parameter	Meaning	ON	This sets the LED display to ON.
Parameter	Meaning								
ON	This sets the LED display to ON.								
OFF	This sets the LED display to OFF.								
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."								
Description	This command is used to control the lighting of the emotional LED and signal sensing LED. (1) It can be executed when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) (2) This command functions in the same way as when "System settings" - "LED illumination" are selected on the menu. (3) The current LED illumination setting can be obtained using the GET command. For details, refer to the GET command.								
Example	Setting > LEDILLUMINATE=ON < i:OK The LED display is set to ON.								
	Reference > GET LEDILLUMINATE or ?LEDILLUMINATE < g:LEDILLUMINATE=ON The ON or OFF setting for the LED display is obtained.								
	Acquisition of parameters which can be set > RANGE LEDILLUMINATE < r:LEDILLUMINATE=I, ON, OFF "ON" or "OFF" can be set for the LED display.								
	*Commands are indicated by ">", and responses are indicated by "<".								
Commands supported	SX50	SX6	SX60	X600					
	01. 00**	01. 01**	01. 01**	01. 01**					
	○	○	○	○					
When a command is not supported, "e:0002 INVALID_COMMAND" is returned.									

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID.MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	ZSTEPDRV	Mode	Control	Setting	Reference					
Function	Zoom lens step drive control									
Format	ZSTEPDRV=<Zoom lens step control parameter:ID>									
Parameter	Zoom lens step control parameters				ID					
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>WIDE</td> <td>This zooms to the wide-angle end.</td> </tr> <tr> <td>TELE</td> <td>This zooms to the telephoto end.</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>					Parameter	Meaning	WIDE	This zooms to the wide-angle end.	TELE
Parameter	Meaning									
WIDE	This zooms to the wide-angle end.									
TELE	This zooms to the telephoto end.									
Response	"i:OK" is returned when zooming was completed successfully after step drive. For all other responses, refer to "Error List."									
Description	<p>This command is used to initiate the step drive of the zoom lens.</p> <p>(1) It can be executed when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) This command functions in the same way as when first the "ZOOM" button on the remote control or main unit panel is pressed and then the "←" or "→" button is pressed.</p> <p>(3) The amount by which the lens is zoomed is constant, and it is fixed in the system.</p> <p>(4) If a zooming error occurs, step drive cannot be controlled.</p>									
Example	<p>Control</p> <p>> ZSTEPDRV=TELE 1-step control is exercised over the zoom toward the TELE end. < i:OK</p> <p>Range acquisition</p> <p>> RANGE ZSTEPDRV < r:ZSTEPDRV=i, WIDE, TELE "WIDE" or "TELE" can be set as the step control of the zoom.</p>									
Commands supported	SX50	SX6	SX60	X600						
	01.00**	01.01**	01.01**	01.01**						
	x	o	o	o						
When a command is not supported, "e:0002 INVALID COMMAND" is returned.										

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands		FSTEPDRV	Mode	Control	Setting	Reference				
Function	Focus lens step drive control									
Format	FSTEPDRV=<Focus lens step control parameter:ID>									
Parameter	Focus lens step control parameters					ID				
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>FAR</td> <td>This initiates focusing toward the far end.</td> </tr> <tr> <td>NEAR</td> <td>This initiates focusing toward the near end.</td> </tr> </tbody> </table>		Parameter	Meaning	FAR		This initiates focusing toward the far end.	NEAR	This initiates focusing toward the near end.	The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.
Parameter	Meaning									
FAR	This initiates focusing toward the far end.									
NEAR	This initiates focusing toward the near end.									
Response	"i:OK" is returned when zooming was completed successfully after step drive. For all other responses, refer to "Error List."									
Description	This command is used to drive the focus lens. (1) It can be executed when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) (2) This command functions in the same way as when first the "FOCUS" button on the remote control or main unit panel is pressed and then the "←" or "→" button is pressed. (3) The amount by which the lens is focused is constant, and it is fixed for the system. (4) If a focusing error occurs, step drive cannot be controlled.									
Example	Control > FSTEPDRV=NEAR < i:OK 1-step control is exercised over the zoom toward the NEAR end. Range acquisition > RANGE FSTEPDRV < r:FSTEPDRV=I, FAR, NEAR "FAR" or "NEAR" can be set for focus step control.									
Commands supported	SX50	SX6	SX60	X600						
	01. 00**	01. 01**	01. 01**	01. 01**						
	x	o	o	o						
When a command is not supported, "e.0002 INVALID.COMMAND" is returned.										

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID.MODE" or "NOT.POWER.SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	FCONTDRV				Mode	Control	Setting	Reference					
Function	Focus lens continuous drive control												
Format	FCONTDRV=<Focus lens continuous control parameter:ID>												
Parameter	Focus lens continuous control parameters						ID						
	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>STOP</td> <td>This stops the focusing.</td> </tr> <tr> <td>FAR</td> <td>This initiates focusing toward the far end.</td> </tr> <tr> <td>NEAR</td> <td>This initiates focusing toward the near end.</td> </tr> </tbody> </table> <p>The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.</p>							Parameter	Meaning	STOP	This stops the focusing.	FAR	This initiates focusing toward the far end.
Parameter	Meaning												
STOP	This stops the focusing.												
FAR	This initiates focusing toward the far end.												
NEAR	This initiates focusing toward the near end.												
Response	"i:OK" is returned when the drive was completed successfully. For all other responses, refer to "Error List."												
Description	<p>This command is used to drive the focus lens.</p> <p>(1) It can be executed when the projector is in both the remote mode and power-on status at the same time. However, only the "STOP" parameter takes effect while the focus lens is being driven, and a "busy" response is given while the zoom lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>(2) This command functions in the same way as when first the "FOCUS" button on the remote control or main unit panel is pressed and then the "↑" or "↓" button is pressed.</p> <p>(3) Focus drive is started by specifying "NEAR" or "FAR." To stop the drive, add the "STOP" parameter and send this command. If no instruction was given to stop the drive, the drive stops at the drive direction end.</p> <p>(4) The following commands are acknowledged during focus drive, but focus drive will also stop at the same time. In the case of any other commands, "i:BUSY (FOCUS)" is returned unconditionally, and focus drive continues.</p> <p style="padding-left: 20px;">a. REMOTE b. LOCAL c. POWER d. FCONTDRV=STOP</p> <p>(5) The following commands are acknowledged during focus drive, and a response is returned while the drive continues.</p> <p style="padding-left: 20px;">a. GET MODE e. GET PRODCODE b. GET POWER f. GET ROMVER c. GET ERR g. GET COMVER d. GET LAMPCOUNTER</p> <p>(6) Focus drive stops when the "POWER" button on the remote control or main unit panel is pressed during focus drive.</p>												
Example	<p>Control</p> <pre>> FCONTDRV=NEAR Control over the focusing to the near end is started. < i:OK</pre> <p>Range acquisition</p> <pre>> RANGE FCONTDRV < r:FCONTDRV=i, STOP, FAR, NEAR "STOP," "FAR" or "NEAR" can be set for focus lens continuous drive.</pre>												
Commands supported	SX50	SX6	SX60	X600									
	01. 00**	01. 01**	01. 01**	01. 01**									
	x	o	o	o									
When a command is not supported, "e:0002 INVALID.COMMAND" is returned.													

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID.MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RC				Mode	Control	Setting	Reference																																																																																																																																																																																																																																																																																											
Function	Remote control operation emulate																																																																																																																																																																																																																																																																																																		
Format	RC□<Remote control emulation button parameters :ID>																																																																																																																																																																																																																																																																																																		
Parameter	Remote control emulation button parameters The key assignment for the remote control emulation buttons is as follows.							ID																																																																																																																																																																																																																																																																																											
	<table border="1"> <thead> <tr> <th rowspan="2">Remote control button</th> <th rowspan="2">Parameter</th> <th colspan="4">Errors supported by model</th> <th rowspan="2">Remarks</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr> <td>POWER</td> <td>POWER</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>-</td> <td>POWER_OFF</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td>POWER button pressed twice</td> </tr> <tr> <td>MENU</td> <td>MENU</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>AUTO SET</td> <td>AUTOSET</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>COMPUTER1</td> <td>COMPUTER1</td> <td>○</td> <td>×</td> <td>×</td> <td>×</td> <td></td> </tr> <tr> <td>COMPUTER2</td> <td>COMPUTER2</td> <td>○</td> <td>×</td> <td>×</td> <td>×</td> <td></td> </tr> <tr> <td>VIDEO</td> <td>VIDEO</td> <td>○</td> <td>×</td> <td>×</td> <td>×</td> <td></td> </tr> <tr> <td>INPUT</td> <td>INPUT</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>AUTOPC</td> <td>AUTOPC</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>KEystone</td> <td>KEystone</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td rowspan="2">UP</td> <td>UP</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>UP+REP</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td>Button press start</td> </tr> <tr> <td rowspan="2">DOWN</td> <td>DOWN</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>DOWN+REP</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td>Button press start</td> </tr> <tr> <td rowspan="2">LEFT</td> <td>LEFT</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>LEFT+REP</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td>Button press start</td> </tr> <tr> <td rowspan="2">RIGHT</td> <td>RIGHT</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>RIGHT+REP</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td>Button press start</td> </tr> <tr> <td>OK</td> <td>OK</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>R_CLICK</td> <td>R_CLICK</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td rowspan="2">PAGE ▲</td> <td>P_UP</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>P_UP+REP</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td>Button press start</td> </tr> <tr> <td rowspan="2">PAGE ▼</td> <td>P_DOWN</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>P_DOWN+REP</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td>Button press start</td> </tr> <tr> <td>IMAGE</td> <td>IMAGE</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>FREEZE</td> <td>FREEZE</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>VOL +</td> <td>VOL_P</td> <td>○</td> <td>×</td> <td>×</td> <td>×</td> <td></td> </tr> <tr> <td>VOL -</td> <td>VOL_M</td> <td>○</td> <td>×</td> <td>×</td> <td>×</td> <td></td> </tr> <tr> <td>VOL</td> <td>VOL</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>NOSHOW</td> <td>NOSHOW</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>MUTE</td> <td>MUTE</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>P-TIMER</td> <td>P_TIMER</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td rowspan="2">DZOOM +</td> <td>DZOOM_P</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>DZOOM_P+REP</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td>Button press start</td> </tr> <tr> <td rowspan="2">DZOOM_M</td> <td>DZOOM_M</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>DZOOM_M+REP</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td>Button press start</td> </tr> <tr> <td>SPOT</td> <td>SPOT</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>FOCUS</td> <td>FOCUS</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>ZOOM</td> <td>ZOOM</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>-</td> <td>*-REP</td> <td>×</td> <td>○</td> <td>○</td> <td>○</td> <td>Button press end</td> </tr> </tbody> </table>								Remote control button	Parameter	Errors supported by model				Remarks	SX50	SX6	SX60	X600	POWER	POWER	○	○	○	○		-	POWER_OFF	○	○	○	○	POWER button pressed twice	MENU	MENU	○	○	○	○		AUTO SET	AUTOSET	×	○	○	○		COMPUTER1	COMPUTER1	○	×	×	×		COMPUTER2	COMPUTER2	○	×	×	×		VIDEO	VIDEO	○	×	×	×		INPUT	INPUT	×	○	○	○		AUTOPC	AUTOPC	○	○	○	○		KEystone	KEystone	○	○	○	○		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	○	○	○	○		R_CLICK	R_CLICK	○	○	○	○		PAGE ▲	P_UP	○	○	○	○		P_UP+REP	×	○	○	○	Button press start	PAGE ▼	P_DOWN	○	○	○	○		P_DOWN+REP	×	○	○	○	Button press start	IMAGE	IMAGE	○	○	○	○		FREEZE	FREEZE	○	○	○	○		VOL +	VOL_P	○	×	×	×		VOL -	VOL_M	○	×	×	×		VOL	VOL	×	○	○	○		NOSHOW	NOSHOW	○	○	○	○		MUTE	MUTE	○	○	○	○		P-TIMER	P_TIMER	○	○	○	○		DZOOM +	DZOOM_P	○	○	○	○		DZOOM_P+REP	×	○	○	○	Button press start	DZOOM_M	DZOOM_M	○	○	○	○		DZOOM_M+REP	×	○	○	○	Button press start	SPOT	SPOT	○	○	○	○		FOCUS	FOCUS	×	○	○	○		ZOOM	ZOOM	×	○	○	○		-	*-REP	×	○	○	○	Button press end
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	*Use the application to adjust the time between pressing of keys.																																																																																																																																																																																																																																																																																																		

Response	"i:OK" is returned when the button press request has been acknowledged successfully. (It does not indicate if the operation for the pressed button was executed properly.)						
Description	<p>This emulates pressing of the remote control buttons for controlling the projector.</p> <p>-1 It can only be used during Local mode.</p> <p>■ Note 1 With the emulation of the remote control operations, the functions of the buttons corresponding to the parameters cannot necessarily be executed. Emulation simply consists in emulating the pressing of the buttons.</p> <p>■ Note 2 The following functions are unavailable in remote control emulation. - USB mouse function - Function for transfer to special mode (service mode)</p> <p>■ Note 3 A parameter with '+REP' signifies "button press start." (This is the same as the status in which the remote control 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. <1> When a panel or remote control button has been operated <2> When an 'RC' or 'MAIN' command has been received <3> When operation has transferred to the remote mode</p>						
Example	<p>Setting > RC POWER < i:Ok</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>						
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**			
	○	○	○	○			

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	○	○	○	○	○	○	○	○	○	-	-	○	x	○	
SX6	○	○	○	○	○	○	○	○	○	○	○	○	x	○	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' is returned as an error response.

Commands	MAIN				Mode	Control	Setting	Reference																																																																																																																																																																	
Function	Front panel operation emulation																																																																																																																																																																								
Format	MAIN□<Main unit panel emulation button parameters :ID>																																																																																																																																																																								
Parameter	Main unit panel emulation button parameters The key assignments for the front panel buttons are shown below. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Remote control button</th> <th rowspan="2">Parameter</th> <th colspan="4">Errors supported by model</th> <th rowspan="2">Remarks</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr><td>POWER</td><td>POWER</td><td>○</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>-</td><td>POWER_OFF</td><td>○</td><td>○</td><td>○</td><td>○</td><td>POWER button pressed twice</td></tr> <tr><td>MENU</td><td>MENU</td><td>○</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>AUTO SET</td><td>AUTOSET</td><td>×</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>COMPUTER1</td><td>COMPUTER1</td><td>○</td><td>×</td><td>×</td><td>×</td><td></td></tr> <tr><td>COMPUTER2</td><td>COMPUTER2</td><td>○</td><td>×</td><td>×</td><td>×</td><td></td></tr> <tr><td>VIDEO</td><td>VIDEO</td><td>○</td><td>×</td><td>×</td><td>×</td><td></td></tr> <tr><td>INPUT</td><td>INPUT</td><td>×</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>AUTOPC</td><td>AUTOPC</td><td>○</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>KEystone</td><td>KEystone</td><td>○</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td rowspan="2">UP</td><td>UP</td><td>○</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>UP+REP</td><td>×</td><td>○</td><td>○</td><td>○</td><td>Button press start</td></tr> <tr><td rowspan="2">DOWN</td><td>DOWN</td><td>○</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>DOWN+REP</td><td>×</td><td>○</td><td>○</td><td>○</td><td>Button press start</td></tr> <tr><td rowspan="2">LEFT</td><td>LEFT</td><td>○</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>LEFT+REP</td><td>×</td><td>○</td><td>○</td><td>○</td><td>Button press start</td></tr> <tr><td rowspan="2">RIGHT</td><td>RIGHT</td><td>○</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>RIGHT+REP</td><td>×</td><td>○</td><td>○</td><td>○</td><td>Button press start</td></tr> <tr><td>OK</td><td>OK</td><td>○</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>FOCUS</td><td>FOCUS</td><td>×</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>ZOOM</td><td>ZOOM</td><td>×</td><td>○</td><td>○</td><td>○</td><td></td></tr> <tr><td>-</td><td>*-REP</td><td>×</td><td>○</td><td>○</td><td>○</td><td>Button press end</td></tr> </tbody> </table>							Remote control button	Parameter	Errors supported by model				Remarks	SX50	SX6	SX60	X600	POWER	POWER	○	○	○	○		-	POWER_OFF	○	○	○	○	POWER button pressed twice	MENU	MENU	○	○	○	○		AUTO SET	AUTOSET	×	○	○	○		COMPUTER1	COMPUTER1	○	×	×	×		COMPUTER2	COMPUTER2	○	×	×	×		VIDEO	VIDEO	○	×	×	×		INPUT	INPUT	×	○	○	○		AUTOPC	AUTOPC	○	○	○	○		KEystone	KEystone	○	○	○	○		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	×	○	○	○		-	*-REP	×	○	○	○	Button press end	ID
Remote control button	Parameter	Errors supported by model				Remarks																																																																																																																																																																			
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Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	○	○	○	○	○	○	○	○	○	○	○	○	×	○	
SX6	○	○	○	○	○	○	○	○	○	○	○	○	×	○	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' is returned as an error response.

Commands	GET			Mode	Control	Setting	Reference																																																																																																																																																																																		
Function	Retrieve each data																																																																																																																																																																																								
Format	GET□ <Parameter> ?△<Parameter>																																																																																																																																																																																								
Parameter	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d9ead3;"> <th style="width: 30%;">Parameter</th> <th colspan="2">Meaning</th> </tr> </thead> <tbody> <tr><td>MODE</td><td colspan="2">Mode</td></tr> <tr><td>POWER</td><td colspan="2">Power supply state</td></tr> <tr><td>BLANK</td><td colspan="2">BLANK status</td></tr> <tr><td>INPUT</td><td colspan="2">Input state</td></tr> <tr><td>DOTS</td><td colspan="2">Total dot number</td></tr> <tr><td>TRACK</td><td colspan="2">Tracking</td></tr> <tr><td>HPOS</td><td rowspan="4" style="text-align: center; vertical-align: middle;">Input signal settings</td><td>Horizontal position</td></tr> <tr><td>VPOS</td><td>Vertical position</td></tr> <tr><td>HPIX</td><td>Horizontal resolution</td></tr> <tr><td>VPIX</td><td>Vertical resolution</td></tr> <tr><td>SEL</td><td colspan="2">Input signal</td></tr> <tr><td>ASPECT</td><td colspan="2">Screen size</td></tr> <tr><td>IMAGE</td><td colspan="2">Image settings</td></tr> <tr><td>BRI</td><td colspan="2">Brightness setting</td></tr> <tr><td>CONT</td><td colspan="2">Contrast setting</td></tr> <tr><td>SHARP</td><td colspan="2">Sharpness setting</td></tr> <tr><td>GAMMA</td><td colspan="2">Gamma correction</td></tr> <tr><td>DGAMMA</td><td colspan="2">Dynamic gamma</td></tr> <tr><td>PROG</td><td colspan="2">Progressive</td></tr> <tr><td>WB</td><td colspan="2">Screen color correction methods</td></tr> <tr><td>WBRGB</td><td colspan="2">Screen color correction (RGB)</td></tr> <tr><td>SAT</td><td colspan="2">Color saturation setting</td></tr> <tr><td>HUE</td><td colspan="2">Hue setting</td></tr> <tr><td>RGBGAIN</td><td colspan="2">RGB gain adjustment</td></tr> <tr><td>RGBOFFSET</td><td colspan="2">RGB offset adjustment</td></tr> <tr><td>ACADJUST</td><td colspan="2">Advanced color adjustment methods</td></tr> <tr><td>MEMCADJ</td><td colspan="2">Memory color correction</td></tr> <tr><td>6AXADJ</td><td colspan="2">6-axis adjustment ON/OFF</td></tr> <tr><td>6AXR</td><td rowspan="6" style="text-align: center; vertical-align: middle;">6-axis color adjust</td><td>R Setting</td></tr> <tr><td>6AXG</td><td>G Setting</td></tr> <tr><td>6AXB</td><td>B Setting</td></tr> <tr><td>6AXC</td><td>C Setting</td></tr> <tr><td>6AXM</td><td>M Setting</td></tr> <tr><td>6AXY</td><td>Y Setting</td></tr> <tr><td>VKS</td><td colspan="2">Vertical keystone distortion values</td></tr> <tr><td>HKS</td><td colspan="2">Horizontal keystone distortion values</td></tr> <tr><td>AVOL</td><td colspan="2">Volume adjustment</td></tr> <tr><td>MUTE</td><td colspan="2">Mute status</td></tr> <tr><td>BVOL</td><td colspan="2">Beep sound setting status</td></tr> <tr><td>IMAGEFLIP</td><td colspan="2">Flip display status</td></tr> <tr><td>PMM</td><td colspan="2">Power management</td></tr> <tr><td>PJON</td><td colspan="2">Display screen at startup setting</td></tr> <tr><td>NOSIG</td><td colspan="2">Display screen when there are no signals setting</td></tr> <tr><td>NOSHOW</td><td colspan="2">Display screen when nothing shown</td></tr> <tr><td>LOGOPOS</td><td colspan="2">User image position</td></tr> <tr><td>LANG</td><td colspan="2">Language</td></tr> <tr><td>LAMP</td><td colspan="2">Lamp output</td></tr> <tr><td>TERMINAL</td><td colspan="2">Terminal setting</td></tr> <tr><td>KEYLOCK</td><td colspan="2">Key lock</td></tr> <tr><td>RCCH</td><td colspan="2">Remote control Ch</td></tr> <tr><td>GUIDE</td><td colspan="2">Guide display setting</td></tr> <tr><td>DPON</td><td colspan="2">Direct power-on setting</td></tr> <tr><td>LEDILLUMINATE</td><td colspan="2">LED display setting</td></tr> <tr><td>NOSHOWSTATE</td><td colspan="2">No show status</td></tr> <tr><td>FREEZE</td><td colspan="2">Freeze status</td></tr> <tr><td>SIGNALSTATUS</td><td colspan="2">Signal status detection</td></tr> <tr><td>LAMPCOUNTER</td><td colspan="2">Lamp on time</td></tr> <tr><td>ERR</td><td colspan="2">Error information</td></tr> <tr><td>PRODCODE</td><td colspan="2">Production code</td></tr> <tr><td>ROMVER</td><td colspan="2">ROM version</td></tr> <tr><td>COMVER</td><td colspan="2">User command version</td></tr> </tbody> </table>						Parameter	Meaning		MODE	Mode		POWER	Power supply state		BLANK	BLANK status		INPUT	Input state		DOTS	Total dot number		TRACK	Tracking		HPOS	Input signal settings	Horizontal position	VPOS	Vertical position	HPIX	Horizontal resolution	VPIX	Vertical resolution	SEL	Input signal		ASPECT	Screen size		IMAGE	Image settings		BRI	Brightness setting		CONT	Contrast setting		SHARP	Sharpness setting		GAMMA	Gamma correction		DGAMMA	Dynamic gamma		PROG	Progressive		WB	Screen color correction methods		WBRGB	Screen color correction (RGB)		SAT	Color saturation setting		HUE	Hue setting		RGBGAIN	RGB gain adjustment		RGBOFFSET	RGB offset adjustment		ACADJUST	Advanced color adjustment methods		MEMCADJ	Memory color correction		6AXADJ	6-axis adjustment ON/OFF		6AXR	6-axis color adjust	R Setting	6AXG	G Setting	6AXB	B Setting	6AXC	C Setting	6AXM	M Setting	6AXY	Y Setting	VKS	Vertical keystone distortion values		HKS	Horizontal keystone distortion values		AVOL	Volume adjustment		MUTE	Mute status		BVOL	Beep sound setting status		IMAGEFLIP	Flip display status		PMM	Power management		PJON	Display screen at startup setting		NOSIG	Display screen when there are no signals setting		NOSHOW	Display screen when nothing shown		LOGOPOS	User image position		LANG	Language		LAMP	Lamp output		TERMINAL	Terminal setting		KEYLOCK	Key lock		RCCH	Remote control Ch		GUIDE	Guide display setting		DPON	Direct power-on setting		LEDILLUMINATE	LED display setting		NOSHOWSTATE	No show status		FREEZE	Freeze status		SIGNALSTATUS	Signal status detection		LAMPCOUNTER	Lamp on time		ERR	Error information		PRODCODE	Production code		ROMVER	ROM version		COMVER	User command version		ID
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Commands	GET MODE				Mode	Control	Setting	Reference				
Function	Current control mode inquiry											
Format	GET□MODE ?△MODE											
Response	g:MODE=<Mode:ID>						ID					
	<table border="1"> <thead> <tr> <th>Mode</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>LOCAL</td> <td>The local mode is currently established.</td> </tr> <tr> <td>REMOTE</td> <td>The remote mode is currently established.</td> </tr> </tbody> </table> <p>For all other responses, refer to "Error List."</p>								Mode	Meaning	LOCAL	The local mode is currently established.
Mode	Meaning											
LOCAL	The local mode is currently established.											
REMOTE	The remote mode is currently established.											
Description	<p>This inquires about the current control mode.</p> <ul style="list-style-type: none"> -1 For details on the control modes of the user commands, refer to the control mode. -2 This inquiry can be executed in any status provided that AC power is supplied to the projector. -3 The control mode is usually switched by REMOTE command-LOCAL command, but when the next event occurs in the remote status, the mode is switched to the local status. <ul style="list-style-type: none"> a. When the POWER button on the remote control or main unit panel has been pressed twice (power off operation) b. When the power management mode has been established (standby, power off) 											
Example	<p>> GET MODE or ?MODE < g:MODE=REMOTE</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>											
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**								
	○	○	○	○								

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
SX60																
X600																

Commands	GET POWER				Mode	Control	Setting	Reference														
Function	Power status inquiry																					
Format	GET□POWER ?△POWER																					
Response	g:POWER=<Power status: ID>						ID															
	<table border="1"> <thead> <tr> <th>Power supply state</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>Power Off</td> </tr> <tr> <td>OFF2ON</td> <td>Transitioning from power off→on</td> </tr> <tr> <td>ON</td> <td>Power on</td> </tr> <tr> <td>ON2PMM</td> <td>Transitioning from power on→standby mode</td> </tr> <tr> <td>PMM</td> <td>Standby</td> </tr> <tr> <td>PMM2ON</td> <td>Transitioning from standby→power on</td> </tr> <tr> <td>ON2OFF</td> <td>Transitioning from power on→off</td> </tr> </tbody> </table>								Power supply state	Status	OFF	Power Off	OFF2ON	Transitioning from power off→on	ON	Power on	ON2PMM	Transitioning from power on→standby mode	PMM	Standby	PMM2ON	Transitioning from standby→power on
Power supply state	Status																					
OFF	Power Off																					
OFF2ON	Transitioning from power off→on																					
ON	Power on																					
ON2PMM	Transitioning from power on→standby mode																					
PMM	Standby																					
PMM2ON	Transitioning from standby→power on																					
ON2OFF	Transitioning from power on→off																					
	For all other responses, refer to "Error List."																					
Description	<p>This inquires about the current projector power status.</p> <p>-1 This inquiry can be executed in any status provided that AC power is supplied to the projector. For the "SX50," the remote mode must be established.</p> <p>-2 Use the following commands to control the power status with the user commands.</p> <table border="1"> <thead> <tr> <th>Mode</th> <th>Commands</th> </tr> </thead> <tbody> <tr> <td>Local</td> <td>RC POWER/POWER_OFF MAIN POWER/POWER_OFF</td> </tr> <tr> <td>Remote</td> <td>POWER ON/OFF</td> </tr> </tbody> </table>								Mode	Commands	Local	RC POWER/POWER_OFF MAIN POWER/POWER_OFF	Remote	POWER ON/OFF								
Mode	Commands																					
Local	RC POWER/POWER_OFF MAIN POWER/POWER_OFF																					
Remote	POWER ON/OFF																					
Example	<p>> GET POWER or ?POWER < g:POWER=ON</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																					
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**																		
	○	○	○	○																		

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	x
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' is returned as an error response.

Commands	GET BLANK				Mode	Control	Setting	Reference							
Function	BLANK status inquiry														
Format	GET□BLANK ?ΔBLANK														
Response	g:BLANK=<BLANK status:ID> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>BLANK status</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>BLANK underway</td> </tr> <tr> <td>OFF</td> <td>BLANK release underway</td> </tr> </tbody> </table>						BLANK status	Status	ON	BLANK underway	OFF	BLANK release underway	ID	For all other responses, refer to "Error List."	
BLANK status	Status														
ON	BLANK underway														
OFF	BLANK release underway														
Description	This command is used to inquire about the current BLANK status. (1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) (2) The BLANK setting can be controlled using the BLANK command.														
Example	> GET BLANK or ? BLANK < g:BLANK=ON *Commands are indicated by ">", and responses are indicated by "<".														
Commands supported	SX50 01. 00**	SX6 01. 01**	SX60 01. 01**	X600 01. 01**											
	x	○	○	○											
When a command is not supported, "e:000A INVALID_PARAMETER" is returned.															

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET INPUT				Mode	Control	Setting	Reference																																																										
Function	Input selection inquiry																																																																	
Format	GET INPUT ? INPUT																																																																	
Response	g:INPUT=<Input type: ID> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th rowspan="2">Input type</th> <th rowspan="2">Meaning</th> <th colspan="4">Errors supported by model</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr> <td>D-RGB</td> <td>D-RGB</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>A-RGB1</td> <td>A-RGB1</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>A-RGB2</td> <td>A-RGB2</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>COMP</td> <td>Component</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>VIDEO</td> <td>Video</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>S-VIDEO</td> <td>S-Video</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>D-VIDEO</td> <td>Digital Video</td> <td>x</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>SCARTRGB</td> <td>SCART(RGB)</td> <td>x</td> <td>○</td> <td>○</td> <td>○</td> </tr> </tbody> </table> <p>For all other responses, refer to "Error List."</p>							Input type	Meaning	Errors supported by model				SX50	SX6	SX60	X600	D-RGB	D-RGB	○	○	○	○	A-RGB1	A-RGB1	○	○	○	○	A-RGB2	A-RGB2	○	○	○	○	COMP	Component	○	○	○	○	VIDEO	Video	○	○	○	○	S-VIDEO	S-Video	○	○	○	○	D-VIDEO	Digital Video	x	○	○	○	SCARTRGB	SCART(RGB)	x	○	○	○	ID
Input type	Meaning	Errors supported by model																																																																
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A-RGB1	A-RGB1	○	○	○	○																																																													
A-RGB2	A-RGB2	○	○	○	○																																																													
COMP	Component	○	○	○	○																																																													
VIDEO	Video	○	○	○	○																																																													
S-VIDEO	S-Video	○	○	○	○																																																													
D-VIDEO	Digital Video	x	○	○	○																																																													
SCARTRGB	SCART(RGB)	x	○	○	○																																																													
Description	This inquires about the current input selection. -1 This inquiry can be made in the power-on status. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With the SX50, the inquiry can be made in the remote mode only. -2 The input selection can be controlled by the INPUT command.																																																																	
Example	> GET INPUT or ? INPUT < g:INPUT=VIDEO * Commands are indicated by ">", and responses are indicated by "<".																																																																	
Commands supported	SX50	SX6	SX60	X600																																																														
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Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	—	—	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET DOTS				Mode	Control	Setting	Reference
Function	Total number of dots inquiry							
Format	GET□DOTS ?△DOTS							
Response	g:DOTS=<Total number of dots: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the current total number of dots. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The total number of dots can be set by the DOTS command.							
Example	> GET DOTS or ? DOTS < g:DOTS=1200 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	○	○	x	x	x	-	-	x	○	x	
SX6	x	○	x	x	○	○	x	x	x	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET TRACK				Mode	Control	Setting	Reference
Function	Tracking adjustment value inquiry							
Format	GET TRACK ?ΔTRACK							
Response	g:TRACK=<Tracking adjustment value: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the current tracking adjustment value. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The tracking adjustment can be set by the TRACK command.							
Example	> GET TRACK or ? TRACK < g:TRACK=21 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	○	○	x	x	x	-	-	x	○	x	
SX6	x	○	x	x	○	○	x	x	x	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET HPOS/VPOS				Mode	Control	Setting	Reference
Function	Horizontal and vertical position adjustment inquiries							
Format	Horizontal position adjustment inquiry GET□HPOS ?ΔHPOS		Vertical position adjustment inquiry GET□VPOS ?ΔVPOS					
Response	g:HPOS=<Horizontal position adjustment value: Number> g:VPOS=<Vertical position adjustment value: Number> For all other responses, refer to "Error List."							Number
Description	These inquire about the current horizontal and vertical position adjustment values. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The horizontal and vertical position adjustments can be set using the HPOS and VPOS commands, respectively.							
Example	> GET VPOS or ? VPOS < g:VPOS=8 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	○	○	x	x	x	-	-	x	○	x	
SX6	x	○	x	x	○	○	x	x	x	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET HPIX/VPIX				Mode	Control	Setting	Reference
Function	Horizontal and vertical resolution inquiries							
Format	Horizontal resolution inquiry GET□HPIX ?ΔHPIX		Vertical resolution inquiry GET□VPIX ?ΔVPIX					
Response	g:HPIX=<Horizontal resolution: Number> g:VPIX=<Vertical resolution: Number>							Number
	For all other responses, refer to "Error List."							
Description	These inquire about the current horizontal and vertical resolutions. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The horizontal and vertical resolutions can be set using the HPIX and VPIX commands, respectively.							
Example	> GET VPIX or ? VPIX < g:VPIX=684 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	x	x	x	-	-	x	○	x	
SX6	x	○	x	○	○	○	x	x	x	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET SEL				Mode	Control	Setting	Reference																								
Function	Input signal inquiry																															
Format	GET□SEL ?△SEL																															
Response	g:SEL=<Input signal: ID> <table border="1" style="margin: 10px auto; width: 80%;"> <thead> <tr> <th>Input signal</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>PAL</td> <td>PAL-M,PAL-N included</td> </tr> <tr> <td>SECAM</td> <td></td> </tr> <tr> <td>NTSC</td> <td>NTSC4.43 included</td> </tr> <tr> <td>1080i</td> <td>540p (1080i non-interlaced signals) included</td> </tr> <tr> <td>1035i</td> <td></td> </tr> <tr> <td>720p</td> <td></td> </tr> <tr> <td>575p</td> <td></td> </tr> <tr> <td>480p</td> <td></td> </tr> <tr> <td>575i</td> <td>288p (PAL system non-interlaced signals) included</td> </tr> <tr> <td>480i</td> <td>240p (NTSC system non-interlaced signals) included</td> </tr> <tr> <td>UNKNOWN</td> <td>No-color, 1080p, and other signals</td> </tr> </tbody> </table> ID							Input signal	Remarks	PAL	PAL-M,PAL-N included	SECAM		NTSC	NTSC4.43 included	1080i	540p (1080i non-interlaced signals) included	1035i		720p		575p		480p		575i	288p (PAL system non-interlaced signals) included	480i	240p (NTSC system non-interlaced signals) included	UNKNOWN	No-color, 1080p, and other signals	
Input signal	Remarks																															
PAL	PAL-M,PAL-N included																															
SECAM																																
NTSC	NTSC4.43 included																															
1080i	540p (1080i non-interlaced signals) included																															
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575p																																
480p																																
575i	288p (PAL system non-interlaced signals) included																															
480i	240p (NTSC system non-interlaced signals) included																															
UNKNOWN	No-color, 1080p, and other signals																															
	For all other responses, refer to "Error List."																															
Description	This inquires about the current input signals. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The input signals can be selected by the SEL command.																															
Example	> GET SEL or ? SEL < g:SEL=575p * Commands are indicated by ">", and responses are indicated by "<".																															
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**																												
	○	○	○	○																												

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	-	-	x	○	x	
SX6	x	○	x	x	x	x	○	○	○	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.
 * If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.
 * "i:BUSY" may be returned if the power status is being switched.

Commands	GET ASPECT				Mode	Control	Setting	Reference																																								
Function	Screen setting inquiry																																															
Format	GET□ASPECT ?△ASPECT																																															
Response	g:ASPECT=<Screen setting:ID> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Meaning</th> <th colspan="4">Errors supported by model</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr> <td>AUTO</td> <td>Auto</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>NORMAL</td> <td>Normal</td> <td>○</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>WIDE</td> <td>Wide</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>FULL</td> <td>Full screen</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>TRUE</td> <td>Real</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> </tbody> </table> <p>For all other responses, refer to "Error List."</p>							Parameter	Meaning	Errors supported by model				SX50	SX6	SX60	X600	AUTO	Auto	○	○	○	○	NORMAL	Normal	○	—	—	—	WIDE	Wide	○	○	○	○	FULL	Full screen	○	○	○	○	TRUE	Real	○	○	○	○	ID
Parameter	Meaning	Errors supported by model																																														
		SX50	SX6	SX60	X600																																											
AUTO	Auto	○	○	○	○																																											
NORMAL	Normal	○	—	—	—																																											
WIDE	Wide	○	○	○	○																																											
FULL	Full screen	○	○	○	○																																											
TRUE	Real	○	○	○	○																																											
Description	This inquires about the current screen setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The screen settings can be selected by the ASPECT command.																																															
Example	> GET ASPECT or ? ASPECT < g:ASPECT=TRUE * Commands are indicated by ">", and responses are indicated by "<".																																															
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**																																												
	○	○	○	○																																												

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	—	—	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET IMAGE				Mode	Control	Setting	Reference																																																										
Function	Image mode inquiry																																																																	
Format	GET IMAGE ? IMAGE																																																																	
Response	g:IMAGE=<Image mode:ID> <table border="1" style="margin: 10px auto;"> <thead> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Meaning</th> <th colspan="4">Errors supported by model</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr> <td>STANDARD</td> <td>Standard</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>PRESENTATION</td> <td>Presentation</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>CINEMA</td> <td>Cinema</td> <td>○</td> <td>x</td> <td>x</td> <td>x</td> </tr> <tr> <td>SRGB</td> <td>sRGB</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>ADOBE</td> <td>ADOBE RGB</td> <td>x</td> <td>○</td> <td>x</td> <td>x</td> </tr> <tr> <td>MOVIE</td> <td>Movie</td> <td>x</td> <td>x</td> <td>○</td> <td>○</td> </tr> <tr> <td>MOVIE_PHOTO</td> <td>Movie & Photo</td> <td>x</td> <td>○</td> <td>x</td> <td>x</td> </tr> <tr> <td>HOME_CINEMA</td> <td>Home theater</td> <td>x</td> <td>x</td> <td>○</td> <td>x</td> </tr> </tbody> </table> <p>For all other responses, refer to "Error List."</p>							Parameter	Meaning	Errors supported by model				SX50	SX6	SX60	X600	STANDARD	Standard	○	○	○	○	PRESENTATION	Presentation	○	○	○	○	CINEMA	Cinema	○	x	x	x	SRGB	sRGB	○	○	○	○	ADOBE	ADOBE RGB	x	○	x	x	MOVIE	Movie	x	x	○	○	MOVIE_PHOTO	Movie & Photo	x	○	x	x	HOME_CINEMA	Home theater	x	x	○	x	ID
Parameter	Meaning	Errors supported by model																																																																
		SX50	SX6	SX60	X600																																																													
STANDARD	Standard	○	○	○	○																																																													
PRESENTATION	Presentation	○	○	○	○																																																													
CINEMA	Cinema	○	x	x	x																																																													
SRGB	sRGB	○	○	○	○																																																													
ADOBE	ADOBE RGB	x	○	x	x																																																													
MOVIE	Movie	x	x	○	○																																																													
MOVIE_PHOTO	Movie & Photo	x	○	x	x																																																													
HOME_CINEMA	Home theater	x	x	○	x																																																													
Description	This inquires about the current image mode. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The image mode settings can be selected by the IMAGE command.																																																																	
Example	> GET IMAGE or ? IMAGE < g:IMAGE=CINEMA * Commands are indicated by ">", and responses are indicated by "<".																																																																	
Commands supported	SX50	SX6	SX60	X600																																																														
	01.00**	01.01**	01.01**	01.01**																																																														
	○	○	○	○																																																														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET BRI				Mode	Control	Setting	Reference
Function	Brightness value setting inquiry							
Format	GET□BRI ?△BRI							
Response	g:BRI=<Brightness: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the current brightness value setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The brightness can be set by the BRI command.							
Example	> GET BRI or ? BRI < g:BRI=-10 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET CONT				Mode	Control	Setting	Reference
Function	Contrast value setting inquiry							
Format	GET□CONT ?△CONT							
Response	g:CONT=<Contrast value: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the current contrast value setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The contrast can be set by the CONT command.							
Example	> GET CONT or ? CONT < g:CONT=3 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET SHARP				Mode	Control	Setting	Reference
Function	Sharpness value setting inquiry							
Format	GET□SHARP ?△ SHARP							
Response	g;SHARP=<Sharpness setting: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the current sharpness value setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The sharpness can be set by the SHARP command.							
Example	> GET SHARP or ? SHARP < g:SHARP=3 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.01**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET GAMMA				Mode	Control	Setting	Reference
Function	Gamma adjustment value inquiry							
Format	GET□GAMMA ?△GAMMA							
Response	g:GAMMA=<Gamma adjustment value: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the current gamma adjustment value. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The gamma adjustment value can be set by the GAMMA command.							
Example	> GET GAMMA or ? GAMMA < g:GAMMA=3 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET DGAMMA				Mode	Control	Setting	Reference				
Function	Dynamic gamma value setting inquiry											
Format	GET□DGAMMA ?△DGAMMA											
Response	g:DGAMMA=<Setting: ID>						ID					
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Off</td> </tr> <tr> <td>1</td> <td>On</td> </tr> </tbody> </table>		Setting	Meaning	0	Off			1	On		
Setting	Meaning											
0	Off											
1	On											
	For all other responses, refer to "Error List."											
Description	This inquires about the current dynamic gamma value setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The dynamic gamma setting value can be selected by the DGAMMA command.											
Example	> GET DGAMMA or ? DGAMMA < g:DGAMMA=1 * Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**								
	○	○	○	○								

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

** "i:BUSY" may be returned if the power status is being switched.

Commands	GET PROG				Mode	Control	Setting	Reference																												
Function	Progressive value setting inquiry																																			
Format	GET□PROG ?△PROG																																			
Response	g:PROG=<Set (status) value: ID> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th rowspan="2">Response</th> <th rowspan="2">Meaning</th> <th colspan="4">Errors supported by model</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Off</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>1</td> <td>On</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>2</td> <td>AUTO</td> <td>x</td> <td>○</td> <td>○</td> <td>○</td> </tr> </tbody> </table> For all other responses, refer to "Error List."							Response	Meaning	Errors supported by model				SX50	SX6	SX60	X600	0	Off	○	○	○	○	1	On	○	○	○	○	2	AUTO	x	○	○	○	ID
Response	Meaning	Errors supported by model																																		
		SX50	SX6	SX60	X600																															
0	Off	○	○	○	○																															
1	On	○	○	○	○																															
2	AUTO	x	○	○	○																															
Description	This inquires about the current progressive (status) value set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The significance of the response differs slightly depending on the model concerned. <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>Model</th> <th>Significance of response</th> </tr> </thead> <tbody> <tr> <td>SX50</td> <td>Regardless of the progressive setting, "ON" is indicated when the current progressive conversion processing function is working; "OFF" is indicated when the processing function is not working.</td> </tr> <tr> <td>SX6 SX60 X600</td> <td>This signifies the progressive value setting.</td> </tr> </tbody> </table> -3 The progressive setting can be selected by the PROG command.								Model	Significance of response	SX50	Regardless of the progressive setting, "ON" is indicated when the current progressive conversion processing function is working; "OFF" is indicated when the processing function is not working.	SX6 SX60 X600	This signifies the progressive value setting.																						
Model	Significance of response																																			
SX50	Regardless of the progressive setting, "ON" is indicated when the current progressive conversion processing function is working; "OFF" is indicated when the processing function is not working.																																			
SX6 SX60 X600	This signifies the progressive value setting.																																			
Example	> GET PROG or ? PROG < g:PROG=1 * Commands are indicated by ">", and responses are indicated by "<".																																			
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**																																

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	-	-	x	○	x	
SX6 SX60 X600	x	○	x	x	x	x	○	○	○	x	x	x	○	x	

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET WB				Mode	Control	Setting	Reference								
Function	Screen color correction inquiry															
Format	GET□WB ?△WB															
Response	g:WB=<Screen color correction value: ID> <table border="1"> <thead> <tr> <th>Response</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>NORMAL</td> <td>Normal</td> </tr> <tr> <td>GREENBOARD</td> <td>Blackboard</td> </tr> <tr> <td>ADJUST</td> <td>Adjust</td> </tr> </tbody> </table>						Response	Meaning	NORMAL	Normal	GREENBOARD	Blackboard	ADJUST	Adjust	ID	
Response	Meaning															
NORMAL	Normal															
GREENBOARD	Blackboard															
ADJUST	Adjust															
	For all other responses, refer to "Error List."															
Description	This inquires about the current screen color correction. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The screen color correction can be set by the WB command.															
Example	> GET WB or ? WB < g:WB=GREENBOARD * Commands are indicated by ">", and responses are indicated by "<".															
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**												
	○	○	○	○												

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET WBRGB				Mode	Control	Setting	Reference
Function	Screen color correction (adjustment) inquiry							
Format	GET□WBRGB ?△WBRGB							
Response	g:WBRGB=<R adjustment value: Number>▽<G adjustment value: Number>▽<B adjustment value: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the current screen color correction (adjustment). -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The screen color correction (adjustment) can be set by the WBRGB command.							
Example	> GET WBRGB or ? WBRGB < g:WBRGB=10, 0, 19 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET SAT				Mode	Control	Setting	Reference
Function	Color saturation value setting inquiry							
Format	GET□SAT ?△SAT							
Response	g:SAT=<Color saturation value setting: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the current color saturation value setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The color saturation can be set by the SAT command.							
Example	> GET SAT or ? SAT < g:SAT=1 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01*				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	-	-	○	○	x	
SX6	x	○	x	x	x	x	○	○	○	x	x	○	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET HUE				Mode	Control	Setting	Reference
Function	Hue value setting inquiry							
Format	GET□HUE ?△HUE							
Response	g:HUE=<Hue value setting: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the current hue value set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The hue can be set by the HUE command.							
Example	> GET HUE or ? HUE < g:HUE=1 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input								Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote		Local
SX50	x	○	x	x	x	x	○	-	-	-	-	○	○	x	
							-	○	○			x			
SX6 SX60 X600	x	○	x	x	x	x	○	-	-	x	x	○	○	x	
							-	○	○			x			

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET RGBGAIN				Mode	Control	Setting	Reference
Function	RGB gain adjustment value inquiry							
Format	GET□RGBGAIN ?ΔRGBGAIN							
Response	g:RGBGAIN=<R adjustment value: Number>▽<G adjustment value: Number>▽<B adjustment value: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This command is used to inquire about the current RGB gain adjustment values. (1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) (2) The RGB gain can be set using the RGBGAIN command.							
Example	> GET RGBGAIN or ? RGBGAIN < g:RGBGAIN=-10, 0, 19 *Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01. 00**	01. 01**	01. 01**	01. 01**				
	x	○	○	○				
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET RGBOFFSET				Mode	Control	Setting	Reference
Function	RGB offset adjustment value inquiry							
Format	GET□RGBOFFSET ?ΔRGBOFFSET							
Response	g:RGBOFFSET=<R adjustment value: Number>▽<G adjustment value: Number>▽<B adjustment value: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This command is used to inquire about the current RGB offset adjustment values. (1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) (2) The RGB offset can be set using the RGBOFFSET command.							
Example	> GET RGBOFFSET or ? RGBOFFSET < g:RGBOFFSET=-10, 0, 19 *Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01. 00**	01. 01**	01. 01**	01. 01**				
	x	○	○	○				
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET ACADJUST				Mode	Control	Setting	Reference												
Function	Advanced color adjustment inquiry																			
Format	GET□ACADJUST ?△ACADJUST																			
Response	g:ACADJUST=<Details of adjustment:ID> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Details of adjustment</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>NOCORRECT</td> <td>No adjustment</td> </tr> <tr> <td>MEM_L</td> <td>Low memory color adjustment</td> </tr> <tr> <td>MEM_M</td> <td>Medium memory color adjustment</td> </tr> <tr> <td>MEM_H</td> <td>High memory color adjustment</td> </tr> <tr> <td>6AX</td> <td>6-axis adjustment</td> </tr> </tbody> </table> <p>For all other responses, refer to "Error List."</p>							Details of adjustment	Meaning	NOCORRECT	No adjustment	MEM_L	Low memory color adjustment	MEM_M	Medium memory color adjustment	MEM_H	High memory color adjustment	6AX	6-axis adjustment	ID
Details of adjustment	Meaning																			
NOCORRECT	No adjustment																			
MEM_L	Low memory color adjustment																			
MEM_M	Medium memory color adjustment																			
MEM_H	High memory color adjustment																			
6AX	6-axis adjustment																			
Description	This inquires about the details of the current advanced color adjustment. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The advanced color adjustment can be set by the ACADJUST command.																			
Example	> GET ACADJUST or ? ACADJUST < g:ACADJUST=6AX * Commands are indicated by ">", and responses are indicated by "<".																			
Commands supported	SX50	SX6	SX60	X600																
	01.00**	01.01**	01.01**	01.01**																
	○	x	x	x																
When a command is not supported, "e:000A INVALID_PARAMETER" is returned.																				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	—	—	○	○	x	
SX6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
X600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET MEMCADJ				Mode	Control	Setting	Reference								
Function	Memory color adjustment setting inquiry															
Format	GET□MEMCADJ ?ΔMEMCADJ															
Response	g:MEMCADJ=<Details of adjustment:ID>						ID									
	<table border="1"> <thead> <tr> <th>Details of adjustment</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>No adjustment</td> </tr> <tr> <td>MEM_L</td> <td>Low memory color adjustment</td> </tr> <tr> <td>MEM_M</td> <td>Medium memory color adjustment</td> </tr> <tr> <td>MEM_H</td> <td>High memory color adjustment</td> </tr> </tbody> </table>								Details of adjustment	Meaning	OFF	No adjustment	MEM_L	Low memory color adjustment	MEM_M	Medium memory color adjustment
Details of adjustment	Meaning															
OFF	No adjustment															
MEM_L	Low memory color adjustment															
MEM_M	Medium memory color adjustment															
MEM_H	High memory color adjustment															
	For all other responses, refer to "Error List."															
Description	<p>This command is used to inquire about the current memory color adjustment setting.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) The memory color adjustment can be set using the MEMCADJ command.</p>															
Example	<p>> GET MEMCADJ or ? MEMCADJ < g:MEMCADJ=MEM_M</p> <p>*Commands are indicated by ">", and responses are indicated by "<".</p>															
Commands supported	SX50	SX6	SX60	X600												
	01. 00**	01. 01**	01. 01**	01. 01**												
	x	○	○	○												
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.															

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET 6AXADJ				Mode	Control	Setting	Reference				
Function	6-axis adjustment ON/OFF inquiry											
Format	GET□6AXADJ ?△6AXADJ											
Response	g:6AXADJ=<Setting:ID>						ID					
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>This sets the 6-axis adjustment to ON.</td> </tr> <tr> <td>OFF</td> <td>This sets the 6-axis adjustment to OFF.</td> </tr> </tbody> </table>								Setting	Meaning	ON	This sets the 6-axis adjustment to ON.
Setting	Meaning											
ON	This sets the 6-axis adjustment to ON.											
OFF	This sets the 6-axis adjustment to OFF.											
	For all other responses, refer to "Error List."											
Description	<p>This command is used to inquire whether the 6-axis adjustment is ON or OFF.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>(2) ON or OFF for the 6-axis adjustment can be set using the 6AXADJ command.</p>											
Example	<p>> GET 6AXADJ or ? 6AXADJ < g:6AXADJ=ON</p> <p>*Commands are indicated by ">", and responses are indicated by "<".</p>											
Commands supported	SX50 01. 00**	SX6 01. 01**	SX60 01. 01**	X600 01. 01**								
	x	○	○	○								
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.											

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET 6AXR-6AXY					Mode	Control	Setting	Reference
Function	6-axis correction R to Y hue/color saturation setting inquiry								
Format	R setting inquiry GET□6AXR ?Δ6AXR	G setting inquiry GET□6AXG ?Δ6AXG	B setting inquiry GET□6AXB ?Δ6AXB	C setting inquiry GET□6AXC ?Δ6AXC	M setting inquiry GET□6AXM ?Δ6AXM	Y setting inquiry GET□6AXY ?Δ6AXY			
Response	g:6AXR(G,B,C,M,Y)=<Hue value: Number>▽<Color saturation: Number>							Number	
	For all other responses, refer to "Error List."								
Description	This inquires about the current 6-axis correction R to Y hue and color saturation settings. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The 6-axis correction R to Y can be set by the 6AXR to Y command.								
Example	> GET 6AXR or ? 6AXR < g:6AXR=12, -8 * Commands are indicated by ">", and responses are indicated by "<".								
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**					
	○	○	○	○					

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET LAMP				Mode	Control	Setting	Reference							
Function	Lamp output setting inquiry														
Format	GET□LAMP ?□LAMP														
Response	g:LAMP=<Setting:ID> <table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>NORMAL</td> <td>Normal</td> </tr> <tr> <td>SILENT</td> <td>Silent cooling</td> </tr> </tbody> </table>						Setting	Meaning	NORMAL	Normal	SILENT	Silent cooling	ID	For all other responses, refer to "Error List."	
Setting	Meaning														
NORMAL	Normal														
SILENT	Silent cooling														
Description	This inquires about the current lamp output setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The lamp output can be set by the LAMP command.														
Example	> GET LAMP or ? LAMP < g:LAMP=NORMAL * Commands are indicated by ">", and responses are indicated by "<".														
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**											
	○	○	○	○											

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

** "i:BUSY" may be returned if the power status is being switched.

Commands	GET VKS/HKS				Mode	Control	Setting	Reference
Function	Vertical/horizontal keystone setting inquiry							
Format	Vertical keystone setting inquiry GET□VK ?ΔVK		Horizontal keystone setting inquiry GET□HK ?ΔHK					
Response	g:VKS=<Vertical keystone setting: Number> g:HKS=<Horizontal keystone setting: Number>							Number
	For all other responses, refer to "Error List."							
Description	These inquire about the current vertical and horizontal keystone settings. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The vertical and horizontal keystone settings can be selected by the VKS and HKS commands, respectively.							
Example	> GET VKS or ? VKS < g:VKS=-23 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	x	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* If the necessary signals are not input, 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET AVOL				Mode	Control	Setting	Reference
Function	Audio volume setting inquiry							
Format	GET□AVOL ?△AVOL							
Response	g:AVOL=<Volume setting: Number>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the current audio volume setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The audio volume can be set by the AVOL command.							
Example	> GET AVOL or ? AVOL < g:AVOL=18 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET MUTE				Mode	Control	Setting	Reference				
Function	Mute control setting inquiry											
Format	GET□MUTE ?△MUTE											
Response	g:MUTE=<Setting:ID>						ID					
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>This turns off the audio/beep sound.</td> </tr> <tr> <td>OFF</td> <td>This returns the audio/beep sound to its original setting</td> </tr> </tbody> </table>		Setting	Meaning	ON	This turns off the audio/beep sound.			OFF	This returns the audio/beep sound to its original setting	For all other responses, refer to "Error List."	
Setting	Meaning											
ON	This turns off the audio/beep sound.											
OFF	This returns the audio/beep sound to its original setting											
Description	This inquires about the current mute control setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 Mute control can be set by the MUTE command.											
Example	> GET MUTE or ? MUTE < g:MUTE=ON * Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**								
	○	○	○	○								

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

** "i:BUSY" may be returned if the power status is being switched.

Commands	GET BVOL				Mode	Control	Setting	Reference							
Function	Beep sound value setting inquiry														
Format	GET□BVOL ?△BVOL														
Response	g:BVOL=<Setting ID> <table border="1" style="margin: 5px 0;"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>BEEP sound mute</td> </tr> <tr> <td>1</td> <td>BEEP sound output</td> </tr> </tbody> </table>						Setting	Meaning	0	BEEP sound mute	1	BEEP sound output	ID	For all other responses, refer to "Error List."	
Setting	Meaning														
0	BEEP sound mute														
1	BEEP sound output														
Description	This inquires about the current beep sound value set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the <u>ZCONTDRV</u> command and FCONTDRV command.) -2 The beep sound can be set using the BVOL command.														
Example	> GET BVOL or ? BVOL < g:BVOL=ON * Commands are indicated by ">", and responses are indicated by "<".														
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**											
	○	○	○	○											

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

** "i:BUSY" may be returned if the power status is being switched.

Commands	GET IMAGEFLIP				Mode	Control	Setting	Reference													
Function	Flip display setting inquiry																				
Format	GET IMAGEFLIP ?ΔIMAGEFLIP																				
Response	g:IMAGEFLIP=<Setting:ID>						ID														
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>NONE</td> <td>None</td> <td></td> </tr> <tr> <td>CEILING</td> <td>Ceiling</td> <td>Flip horizontally</td> </tr> <tr> <td>REAR</td> <td>Rear</td> <td>Flip vertically</td> </tr> <tr> <td>REAR_CEILING</td> <td>Rear ceiling</td> <td>Flip horizontally and vertically</td> </tr> </tbody> </table>								Setting	Meaning	Remarks	NONE	None		CEILING	Ceiling	Flip horizontally	REAR	Rear	Flip vertically	REAR_CEILING
Setting	Meaning	Remarks																			
NONE	None																				
CEILING	Ceiling	Flip horizontally																			
REAR	Rear	Flip vertically																			
REAR_CEILING	Rear ceiling	Flip horizontally and vertically																			
	For all other responses, refer to "Error List."																				
Description	<p>This inquires about the current flip display setting.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>-2 The flip display can be set using the IMAGEFLIP command.</p>																				
Example	<p>> GET IMAGEFLIP or ? IMAGEFLIP < g:IMAGEFLIP=REAR_CEILING</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																				
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**																	
	○	○	○	○																	

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET PMM				Mode	Control	Setting	Reference						
Function	Power management setting inquiry													
Format	GET□PMM ?△PMM													
Response	g:PMM=<Setting :ID>						ID							
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>Off</td> </tr> <tr> <td>STANDBY</td> <td>Standby mode</td> </tr> <tr> <td>EXIT</td> <td>Exit mode</td> </tr> </tbody> </table>		Setting	Meaning	OFF	Off			STANDBY	Standby mode	EXIT	Exit mode		
Setting	Meaning													
OFF	Off													
STANDBY	Standby mode													
EXIT	Exit mode													
	For all other responses, refer to "Error List."													
Description	This inquires about the current power management setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command) -2 Power management can be set by the PMM command.													
Example	> GET PMM or ? PMM < g:PMM=EXIT * Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**										
	○	○	○	○										

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET PJON				Mode	Control	Setting	Reference								
Function	Screen displayed at startup setting inquiry															
Format	GET□PJON ?△PJON															
Response	g:PJON=<Setting:ID> <table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>CANON</td> <td>Canon logo</td> </tr> <tr> <td>SKIP</td> <td>No display</td> </tr> <tr> <td>LOGO</td> <td>User screen</td> </tr> </tbody> </table>						Setting	Meaning	CANON	Canon logo	SKIP	No display	LOGO	User screen	ID	
Setting	Meaning															
CANON	Canon logo															
SKIP	No display															
LOGO	User screen															
For all other responses, refer to "Error List."																
Description	This inquires about the current setting for the screen to be displayed at startup. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The setting for the screen displayed at startup can be set by the PJON command.															
Example	> GET PJON or ? PJON < g:PJON=SKIP * Commands are indicated by ">", and responses are indicated by "<".															
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**												
	○	○	○	○												

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET NOSIG				Mode	Control	Setting	Reference								
Function	Screen displayed at startup with no signals setting inquiry															
Format	GET□NOSIG ?△NOSIG															
Response	g:NOSIG=<Setting :ID> <table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>BLACK</td> <td>Black screen</td> </tr> <tr> <td>BLUE</td> <td>Blue screen</td> </tr> <tr> <td>LOGO</td> <td>User screen</td> </tr> </tbody> </table>						Setting	Meaning	BLACK	Black screen	BLUE	Blue screen	LOGO	User screen	ID	
Setting	Meaning															
BLACK	Black screen															
BLUE	Blue screen															
LOGO	User screen															
	For all other responses, refer to "Error List."															
Description	This inquires about the current setting for the screen to be displayed when there are no signals. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The display screen when there are no signals can be set by the NOSIG command.															
Example	> GET NOSIG or ? NOSIG < g:NOSIG=LOGO * Commands are indicated by ">", and responses are indicated by "<".															
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**												
	○	○	○	○												

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET NOSHOW				Mode	Control	Setting	Reference								
Function	Display screen when nothing is shown setting inquiry															
Format	GET□NOSHOW ?△NOSHOW															
Response	g:NOSHOW=<Setting:ID> <table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>BLACK</td> <td>Black screen</td> </tr> <tr> <td>BLUE</td> <td>Blue screen</td> </tr> <tr> <td>LOGO</td> <td>User screen</td> </tr> </tbody> </table>						Setting	Meaning	BLACK	Black screen	BLUE	Blue screen	LOGO	User screen	ID	
Setting	Meaning															
BLACK	Black screen															
BLUE	Blue screen															
LOGO	User screen															
For all other responses, refer to "Error List."																
Description	This inquires about the current setting for the screen to be displayed when nothing is shown. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The current display screen when nothing is shown can be set by the NOSHOW command.															
Example	> GET NOSHOW or ? NOSHOW < g:NOSHOW=LOGO * Commands are indicated by ">", and responses are indicated by "<".															
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**												
	○	○	○	○												

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET LOGOPOS				Mode	Control	Setting	Reference										
Function	User image position inquiry																	
Format	GET□LOGOPOS ?ΔLOGOPOS																	
Response	g:LOGOPOS=<Setting :ID>						ID											
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>UPPER_L</td> <td>Upper left</td> </tr> <tr> <td>UPPER_R</td> <td>Upper right</td> </tr> <tr> <td>CENTER</td> <td>Center</td> </tr> <tr> <td>LOWER_L</td> <td>Lower left</td> </tr> <tr> <td>LOWER_R</td> <td>Lower right</td> </tr> </tbody> </table>								Setting	Meaning	UPPER_L	Upper left	UPPER_R	Upper right	CENTER	Center	LOWER_L	Lower left
Setting	Meaning																	
UPPER_L	Upper left																	
UPPER_R	Upper right																	
CENTER	Center																	
LOWER_L	Lower left																	
LOWER_R	Lower right																	
	For all other responses, refer to "Error List."																	
Description	<p>This inquires about the current user screen (logo) display position.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>-2 An inquiry cannot be made if the user image has not been registered. (The error "e:1002 NO_LOGO_CAPTURED" is returned.)</p> <p>-3 The user image position can be set by the LOGOPOS command.</p>																	
Example	<p>> GET LOGOPOS or ? LOGOPOS < g:LOGOPOS=LOWER_L</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																	
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**														
	○	○	○	○														

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET LANG				Mode	Control	Setting	Reference																																																																																																																																		
Function	Language inquiry																																																																																																																																									
Format	GET□LANG ?△LANG																																																																																																																																									
Response	<p>g:LANG=<Language:ID></p> <table border="1"> <thead> <tr> <th rowspan="2">Language</th> <th rowspan="2">Meaning</th> <th colspan="4">Errors supported by model</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr><td>ENG</td><td>English</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>FRA</td><td>French</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>GER</td><td>German</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>ITA</td><td>Italian</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>SPA</td><td>Spanish</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>POR</td><td>Portuguese</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>SWE</td><td>Swedish</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>DUT</td><td>Dutch</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>RUS</td><td>Russian</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>CHS</td><td>Chinese (simplified)</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>CHT</td><td>Chinese (traditional)</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>KOR</td><td>Korean</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>JPN</td><td>Japanese</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>FIN</td><td>Finnish</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>NOR</td><td>Norwegian</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>TUR</td><td>Turkish</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>POL</td><td>Polish</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>HUN</td><td>Hungarian</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>CZE</td><td>Czech</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>DAN</td><td>Danish</td><td>x</td><td>○</td><td>○</td><td>○</td></tr> </tbody> </table> <p>For all other responses, refer to "Error List."</p>							Language	Meaning	Errors supported by model				SX50	SX6	SX60	X600	ENG	English	○	○	○	○	FRA	French	○	○	○	○	GER	German	○	○	○	○	ITA	Italian	○	○	○	○	SPA	Spanish	○	○	○	○	POR	Portuguese	○	○	○	○	SWE	Swedish	○	○	○	○	DUT	Dutch	○	○	○	○	RUS	Russian	○	○	○	○	CHS	Chinese (simplified)	○	○	○	○	CHT	Chinese (traditional)	○	○	○	○	KOR	Korean	○	○	○	○	JPN	Japanese	○	○	○	○	FIN	Finnish	x	○	○	○	NOR	Norwegian	x	○	○	○	TUR	Turkish	x	○	○	○	POL	Polish	x	○	○	○	HUN	Hungarian	x	○	○	○	CZE	Czech	x	○	○	○	DAN	Danish	x	○	○	○	ID
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DAN	Danish	x	○	○	○																																																																																																																																					
Description	<p>This inquires about the current language selection.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>-2 The language can be set by the LANG command.</p>																																																																																																																																									
Example	<p>> GET LANG or ? LANG < g:LANG=SWE</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>																																																																																																																																									
Commands supported	SX50	SX6	SX60	X600																																																																																																																																						
	01.00**	01.01**	01.01**	01.01**																																																																																																																																						
	○	○	○	○																																																																																																																																						

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET TERMINAL				Mode	Control	Setting	Reference				
Function	Terminal setting inquiry											
Format	GET□TERMINAL ?△TERMINAL											
Response	g:TERMINAL=<Setting:ID>						ID					
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>IN</td> <td>This sets to input</td> </tr> <tr> <td>OUT</td> <td>This sets to output</td> </tr> </tbody> </table>		Setting	Meaning	IN	This sets to input			OUT	This sets to output		
Setting	Meaning											
IN	This sets to input											
OUT	This sets to output											
	For all other responses, refer to "Error List."											
Description	This inquires about the current terminal setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The terminal can be set by the TERMINAL command.											
Example	> GET TERMINAL or ? TERMINAL < g:TERMINAL=OUT * Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**								
	○	x	x	x								
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.											

Supported Command States

Model	Parameter	Power			Input									Mode		
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	IN	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
	OUT	x	○	x	○	○	x	x	○	○	○	○	○	○	○	x
SX6																
SX60																
X600																

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'TERMINAL_OUT' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET KEYLOCK				Mode	Control	Setting	Reference						
Function	Key lock setting inquiry													
Format	GET□KEYLOCK ?ΔKEYLOCK													
Response	g:KEYLOCK=<Setting:ID>						ID							
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>No locking (OFF)</td> </tr> <tr> <td>MAIN</td> <td>Main key lock</td> </tr> <tr> <td>RC</td> <td>Remote control key lock</td> </tr> </tbody> </table>								Setting	Meaning	OFF	No locking (OFF)	MAIN	Main key lock
Setting	Meaning													
OFF	No locking (OFF)													
MAIN	Main key lock													
RC	Remote control key lock													
	For all other responses, refer to "Error List."													
Description	This inquires about the current key lock setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 Key lock can be set by the KEYLOCK command.													
Example	> GET KEYLOCK or ? KEYLOCK < g:KEYLOCK=OFF * Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**										
	○	○	○	○										

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET RCCH				Mode	Control	Setting	Reference				
Function	Remote control setting inquiry											
Format	GET□RCCH ?△RCCH											
Response	g:RCCH=<Setting:ID>						ID					
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Remote control channel 1</td> </tr> <tr> <td>2</td> <td>Remote control channel 2</td> </tr> </tbody> </table>		Setting	Meaning	1	Remote control channel 1			2	Remote control channel 2		
Setting	Meaning											
1	Remote control channel 1											
2	Remote control channel 2											
	For all other responses, refer to "Error List."											
Description	This inquires about the current remote control setting. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 Remote control can be set by the RCCH command.											
Example	> GET RCCH or ? RCCH This inquires about the current remote control setting. < g:RCCH=1											
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**								
	○	○	○	○								

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

** "i:BUSY" may be returned if the power status is being switched.

Commands	GET GUIDE				Mode	Control	Setting	Reference				
Function	Guide setting inquiry											
Format	GET GUIDE ?ΔGUIDE											
Response	g:GUIDE=<Setting:ID>						ID					
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Guide display ON</td> </tr> <tr> <td>OFF</td> <td>Guide display OFF</td> </tr> </tbody> </table>		Setting	Meaning	ON	Guide display ON			OFF	Guide display OFF		
Setting	Meaning											
ON	Guide display ON											
OFF	Guide display OFF											
	For all other responses, refer to "Error List."											
Description	This command is used to inquire about the current guide setting. (1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) (2) The guide can be set using the GUIDE command.											
Example	> GET GUIDE or ? GUIDE An inquiry is made about the current guide setting. < g:GUIDE=OFF											
	*Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50	SX6	SX60	X600								
	01.00**	01.01**	01.01**	01.01**								
	x	○	○	○								
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.											

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET DPON				Mode	Control	Setting	Reference				
Function	Direct power-on setting inquiry											
Format	GET DPON ?ADPON											
Response	g:DPON=<Setting:ID>						ID					
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>This sets direct power-on to ON.</td> </tr> <tr> <td>OFF</td> <td>This sets direct power-on to OFF.</td> </tr> </tbody> </table>								Setting	Meaning	ON	This sets direct power-on to ON.
Setting	Meaning											
ON	This sets direct power-on to ON.											
OFF	This sets direct power-on to OFF.											
	For all other responses, refer to "Error List."											
Description	<p>This command is used to inquire about the current direct power-on setting.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) Direct power-on can be set using the DPON command.</p>											
Example	<p>> GET DPON or ? DPON < g:DPON=OFF</p> <p>*Commands are indicated by ">", and responses are indicated by "<".</p>											
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**								
	x	o	o	o								
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.											

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET LEDILLUMINATE				Mode	Control	Setting	Reference				
Function	Emotional LED and signal sensing LED lighting setting inquiry											
Format	GET□LEDILLUMINATE ?△LEDILLUMINATE											
Response	g:LEDILLUMINATE=<Setting:ID>						ID					
	<table border="1"> <thead> <tr> <th>Setting</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>This sets the LED display to ON.</td> </tr> <tr> <td>OFF</td> <td>This sets the LED display to OFF.</td> </tr> </tbody> </table>								Setting	Meaning	ON	This sets the LED display to ON.
Setting	Meaning											
ON	This sets the LED display to ON.											
OFF	This sets the LED display to OFF.											
	For all other responses, refer to "Error List."											
Description	<p>This command is used to inquire about the current emotional LED and signal sensing LED lighting control settings.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>(2) LED lighting control can be set using the LEDILLUMINATE command.</p>											
Example	<p>> GET LEDILLUMINATE or ? LEDILLUMINATE < g:LEDILLUMINATE=OFF</p> <p>*Commands are indicated by ">", and responses are indicated by "<".</p>											
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**								
	x	○	○	○								
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.											

Supported Command States

Model	Power supply			Input										Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

*If a state is not supported, "INVALID.MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET NOSHOWSTATE				Mode	Control	Setting	Reference							
Function	NoShow status inquiry														
Format	GET□NOSHOWSTATE ?ΔNOSHOWSTATE														
Response	g:NOSHOWSTATE=<Status:ID> <table border="1"> <thead> <tr> <th>Status</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Screen temporarily off</td> </tr> <tr> <td>OFF</td> <td>Screen not temporarily off</td> </tr> </tbody> </table>						Status	Meaning	ON	Screen temporarily off	OFF	Screen not temporarily off	ID	For all other responses, refer to "Error List."	
Status	Meaning														
ON	Screen temporarily off														
OFF	Screen not temporarily off														
Description	This command is used to inquire about the current NoShow status. (1) This inquiry can be made at any time provided that the power-on status is established. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) (2) No show status ON/OFF is controlled using the "RC NOSHOW" command in the local mode. (Toggling)														
Example	> GET NOSHOWSTATE or ? NOSHOWSTATE < g:NOSHOWSTATE=ON *Commands are indicated by ">", and responses are indicated by "<".														
Commands supported	SX50	SX6	SX60	X600											
	01.00**	01.01**	01.01**	01.01**											
	x	○	○	○											
When a command is not supported, "e:000A INVALID PARAMETER" is returned.															

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	
SX60															
X600															

* If the command cannot be supported, "NOT_POWER_SUPPLIED" is returned as an error response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET FREEZE				Mode	Control	Setting	Reference				
Function	Freeze status inquiry											
Format	GET FREEZE ? Δ FREEZE											
Response	g:FREEZE=<Status:ID>						ID					
	<table border="1"> <thead> <tr> <th>Status</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>Image now frozen</td> </tr> <tr> <td>OFF</td> <td>Image now not frozen</td> </tr> </tbody> </table>		Status	Meaning	ON	Image now frozen			OFF	Image now not frozen		
Status	Meaning											
ON	Image now frozen											
OFF	Image now not frozen											
	For all other responses, refer to "Error List."											
Description	This command is used to inquire about the current NoShow status. (1) This inquiry can be made at any time provided that the power-on status is established. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) (2) Freeze status ON/OFF is controlled using the "RC FREEZE" command in the local mode. (Toggling)											
Example	> GET FREEZE or ? FREEZE < g:FREEZE=ON *Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50 01.00** x	SX6 01.01** ○	SX60 01.01** ○	X600 01.01** ○								
When a command is not supported, "e:000A INVALID_PARAMETER" is returned.												

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	

* If the command cannot be supported, "NOT_POWER_SUPPLIED" is returned as an error response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET SIGNALSTATUS				Mode	Control	Setting	Reference								
Function	Signal status inquiry															
Format	GET□SIGNALSTATUS ?△SIGNALSTATUS															
Response	g:SIGNALSTATUS=<Signal status:ID> <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Signal status</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>NO_SIGNAL</td> <td>Signal not detected</td> </tr> <tr> <td>DISPLAYING</td> <td>Image now displayed or display enable status</td> </tr> <tr> <td>SETTING</td> <td>Signal detection and display preparation in progress</td> </tr> </tbody> </table> For all other responses, refer to "Error List."							Signal status	Meaning	NO_SIGNAL	Signal not detected	DISPLAYING	Image now displayed or display enable status	SETTING	Signal detection and display preparation in progress	ID
Signal status	Meaning															
NO_SIGNAL	Signal not detected															
DISPLAYING	Image now displayed or display enable status															
SETTING	Signal detection and display preparation in progress															
Description	This inquires about the current image signal input status. -1 This inquiry can be made at any time provided that the power-on status is established. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) For the "SX50," the remote mode must be established. -2 This returns the signal status of the selected input. Use INPUT command for the input selection. -3 Even if the status is "DISPLAYING" (image now shown), the image is not displayed during blanking. Check the status using GET BLANK. To clear the blank status, use BLANK=OFF. -4 Similarly, the image is not displayed during "no show". Check the status using GET NOSHOWSTATUS. To clear no show, execute RC NOSHOW.															
Example	> GET SIGNALSTATUS or ? SIGNALSTATUS < g:SIGNALSTATUS=NO_SIGNAL * Commands are indicated by ">", and responses are indicated by "<".															
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**												
	○	○	○	○												

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	○

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET LAMPCOUNTER				Mode	Control	Setting	Reference																																																	
Function	Lamp ON time inquiry																																																								
Format	GET□LAMPCOUNTER ?△LAMPCOUNTER																																																								
Response	g:LAMPCOUNTER="<Lamp ON time: Character string>" <table border="1" style="margin: 10px auto; width: 80%;"> <thead> <tr> <th rowspan="2">Lamp ON time</th> <th colspan="4">Meaning (ON time: H)</th> </tr> <tr> <th>SX50</th> <th>SX50</th> <th>SX50</th> <th>SX50</th> </tr> </thead> <tbody> <tr> <td>"[G_____]"</td> <td>0 ~ 199</td> <td>0 ~ 279</td> <td>0 ~ 459</td> <td>0 ~ 279</td> </tr> <tr> <td>"[GG_____]"</td> <td>200 ~ 399</td> <td>280 ~ 559</td> <td>460 ~ 919</td> <td>280 ~ 559</td> </tr> <tr> <td>"[GGG_____]"</td> <td>400 ~ 599</td> <td>560 ~ 839</td> <td>920 ~ 1379</td> <td>560 ~ 839</td> </tr> <tr> <td>"[GGGG_____]"</td> <td>600 ~ 799</td> <td>840 ~ 1119</td> <td>1380 ~ 1839</td> <td>840 ~ 1119</td> </tr> <tr> <td>"[GGGGG_____]"</td> <td>800 ~ 999</td> <td>1120 ~ 1399</td> <td>1840 ~ 2299</td> <td>1120 ~ 1399</td> </tr> <tr> <td>"[GGGGGY_____]"</td> <td>1000 ~ 1199</td> <td>1400 ~ 1449</td> <td>2300 ~ 2399</td> <td>1400 ~ 1449</td> </tr> <tr> <td>"[GGGGGY_YY_____]"</td> <td>1200 ~ 1399</td> <td>1450 ~ 1499</td> <td>2400 ~ 2499</td> <td>1450 ~ 1499</td> </tr> <tr> <td>"[GGGGGYR_____]"</td> <td>1400 ~</td> <td>1500 ~</td> <td>2500 ~</td> <td>1500 ~</td> </tr> </tbody> </table> Character string							Lamp ON time	Meaning (ON time: H)				SX50	SX50	SX50	SX50	"[G_____]"	0 ~ 199	0 ~ 279	0 ~ 459	0 ~ 279	"[GG_____]"	200 ~ 399	280 ~ 559	460 ~ 919	280 ~ 559	"[GGG_____]"	400 ~ 599	560 ~ 839	920 ~ 1379	560 ~ 839	"[GGGG_____]"	600 ~ 799	840 ~ 1119	1380 ~ 1839	840 ~ 1119	"[GGGGG_____]"	800 ~ 999	1120 ~ 1399	1840 ~ 2299	1120 ~ 1399	"[GGGGGY_____]"	1000 ~ 1199	1400 ~ 1449	2300 ~ 2399	1400 ~ 1449	"[GGGGGY_YY_____]"	1200 ~ 1399	1450 ~ 1499	2400 ~ 2499	1450 ~ 1499	"[GGGGGYR_____]"	1400 ~	1500 ~	2500 ~	1500 ~	
Lamp ON time	Meaning (ON time: H)																																																								
	SX50	SX50	SX50	SX50																																																					
"[G_____]"	0 ~ 199	0 ~ 279	0 ~ 459	0 ~ 279																																																					
"[GG_____]"	200 ~ 399	280 ~ 559	460 ~ 919	280 ~ 559																																																					
"[GGG_____]"	400 ~ 599	560 ~ 839	920 ~ 1379	560 ~ 839																																																					
"[GGGG_____]"	600 ~ 799	840 ~ 1119	1380 ~ 1839	840 ~ 1119																																																					
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"[GGGGGY_YY_____]"	1200 ~ 1399	1450 ~ 1499	2400 ~ 2499	1450 ~ 1499																																																					
"[GGGGGYR_____]"	1400 ~	1500 ~	2500 ~	1500 ~																																																					
Description	This inquires about the current lamp ON time. -1 This inquiry can be executed in any status provided that AC power is supplied to the projector. For the "SX50," the projector must be in the remote mode and power-on status.																																																								
Example	> GET LAMPCOUNTER or ? LAMPCOUNTER < g:LAMPCOUNTER="[GG_____]" * Commands are indicated by ">", and responses are indicated by "<".																																																								
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**																																																					
	○	○	○	○																																																					

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET ERR				Mode	Control	Setting	Reference																																																																												
Function	Error information inquiry																																																																																			
Format	GET□ERR ?△ERR																																																																																			
Response	g:ERR=<ErrorID:ID> <table border="1" style="margin: 10px auto; width: 80%;"> <thead> <tr> <th rowspan="2">Error ID</th> <th rowspan="2">Meaning</th> <th colspan="4">Errors supported by model</th> </tr> <tr> <th>SX50</th> <th>SX6</th> <th>SX60</th> <th>X600</th> </tr> </thead> <tbody> <tr> <td>NO_ERROR</td> <td>No error</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>ABNORMAL_TEMPERATUR</td> <td>Temperature error</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>FAULTY_LAMP</td> <td>Lamp error</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>FAULTY_LAMP_COVER</td> <td>Lamp cover error</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>FAULTY_COOLING_FAN</td> <td>Cooling fan error</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>FAULTY_POWER_SUPPLY</td> <td>Power supply error</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>FAULTY_AK</td> <td>AK error</td> <td>-</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>FAULTY_ASC</td> <td>ASC error</td> <td>-</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>FAULTY_AF</td> <td>AF error</td> <td>-</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>FAULTY_POWER_ZOOM</td> <td>Zoom error</td> <td>-</td> <td>○</td> <td>○</td> <td>○</td> </tr> <tr> <td>FAULTY_POWER_FOCUS</td> <td>Focus error</td> <td>-</td> <td>○</td> <td>○</td> <td>○</td> </tr> </tbody> </table> ID							Error ID	Meaning	Errors supported by model				SX50	SX6	SX60	X600	NO_ERROR	No error	○	○	○	○	ABNORMAL_TEMPERATUR	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_AK	AK error	-	○	○	○	FAULTY_ASC	ASC error	-	○	○	○	FAULTY_AF	AF error	-	○	○	○	FAULTY_POWER_ZOOM	Zoom error	-	○	○	○	FAULTY_POWER_FOCUS	Focus error	-	○	○	○	
Error ID	Meaning	Errors supported by model																																																																																		
		SX50	SX6	SX60	X600																																																																															
NO_ERROR	No error	○	○	○	○																																																																															
ABNORMAL_TEMPERATUR	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_AK	AK error	-	○	○	○																																																																															
FAULTY_ASC	ASC error	-	○	○	○																																																																															
FAULTY_AF	AF error	-	○	○	○																																																																															
FAULTY_POWER_ZOOM	Zoom error	-	○	○	○																																																																															
FAULTY_POWER_FOCUS	Focus error	-	○	○	○																																																																															
Description	This inquires about the current error information. -1 This inquiry can be executed in any status provided that AC power is supplied to the projector. For the "SX50," the remote mode must be established. -2 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 or ? ERR < g:ERR=FAULTY_LAMP * Commands are indicated by ">", and responses are indicated by "<".																																																																																			
Commands supported	SX50	SX6	SX60	X600																																																																																
	01.00**	01.01**	01.01**	01.01**																																																																																
	○	○	○	○																																																																																

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	○	○	○	○	○	○	○	○	○	-	-	○	○	x	
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET PRODCODE				Mode	Control	Setting	Reference			
Function	Product information inquiry										
Format	GET□PRODCODE ?△PRODCODE										
Response	g:PRODCODE="<Product name: Character string>"						Character string				
	<table border="1"> <thead> <tr> <th>Product name</th> </tr> </thead> <tbody> <tr> <td>SX50</td> </tr> <tr> <td>SX6</td> </tr> <tr> <td>SX60</td> </tr> <tr> <td>X600</td> </tr> </tbody> </table> <p>For all other responses, refer to "Error List."</p>								Product name	SX50	SX6
Product name											
SX50											
SX6											
SX60											
X600											
Description	This inquires about the product name of the projector. -1 This inquiry can be executed in any status provided that AC power is supplied to the projector. For the "SX50," the projector must be in the remote mode and power-on status.										
Example	> GET PRODCODE or ? PRODCODE < g:PRODCODE="SX50" * Commands are indicated by ">", and responses are indicated by "<".										
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**							
	○	○	○	○							

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET ROMVER				Mode	Control	Setting	Reference
Function	ROM version inquiry							
Format	GET□ROMVER ?△ROMVER							
Response	g:ROMVER=" <ROM VERSION ; Character string >" <ROM VERSION> := 99.9999 For all other responses, refer to "Error List."						Character string	
Description	This inquires about the product name of the projector. -1 This inquiry can be executed in any status provided that AC power is supplied to the projector. For the "SX50," the projector must be in the remote mode and power-on status.							
Example	> GET ROMVER or ? ROMVER < g:ROMVER="01.0306" * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	GET COMVER				Mode	Control	Setting	Reference
Function	User command version inquiry							
Format	GET□COMVER ?△COMVER							
Response	g:COMVER="<User command version; Character string>" <User command version> := 99.9999 For all other responses, refer to "Error List."						Character string	
Description	This inquires about the user command version of the projector. -1 This inquiry can be executed in any status provided that AC power is supplied to the projector. For the "SX50," the remote mode must be established. -2 The user command version consists of a 2-digit number followed by a 4-digit number. Question marks may appear in place of the numerals if the firmware has not been upgraded correctly. (Example "??:????")							
Example	> GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE			Mode	Control	Setting	Reference
Function	Setting range request						
Format	RANGE□ <Parameter>						
Parameter	Parameter		Meaning				
	POWER	Power supply state					
	BLANK	Blank setting					
	AUTOSETEXE	Auto setup					
	INPUT	Input state					
	DOTS	Input signal settings	Total number of dot				
	TRACK		Tracking				
	HPOS		Horizontal position				
	VPOS		Vertical position				
	HPIX		Horizontal resolution				
	VPIX		Vertical resolution				
	SEL	Input signal					
	ASPECT	Screen size					
	IMAGE	Image settings					
	BRI	Brightness setting value					
	CONT	Contrast setting value					
	SHARP	Sharpness setting value					
	GAMMA	Gamma correction					
	DGAMMA	Dynamic gamma					
	PROG	Progressive					
	WB	Screen color correction					
	WBRGB	Screen color correction value (RGB)					
	SAT	Color saturation setting value					
	HUE	Hue setting value					
	RGBGAIN	RGB gain adjustment					
	RGBOFFSET	RGB offset adjustment					
	ACADJUST	Advanced color correction method					
	MEMCADJ	Memory color correction					
	6AXADJ	6-axis adjustment ON/OFF					
	6AXR	6-axis color adjust	R setting value				
	6AXG		G setting value				
	6AXB		B setting value				
	6AXC		C setting value				
	6AXM		M setting value				
	6AXY		Y setting value				
	VKS	Vertical keystone distortion values					
HKS	Horizontal keystone distortion values						
AVOL	Volume adjustment						
MUTE	Mute state						
BVOL	Beep sound setting status						
IMAGEFLIP	Flip display status						
PMM	Power management						
PJON	Display screen at startup setting						
NOSIG	Display screen when there are no signals setting						
NOSHOW	Display screen when nothing shown						
LOGOPOS	User image position						
LANG	Language						
LAMP	Lamp output						
TERMINAL	Terminal setting						
KEYLOCK	Key lock						
RCCH	Remote control Ch						
GUIDE	Guide display setting						
DPON	Direct power-on setting						
LEDILLUMINATE	LED display setting						
ZSTEPDRV	Zoom step control						
ZCONTRV	Zoom continuous control						
FSTEPDRV	Focus step control						
FCONTRV	Focus continuous control						

ID

Response	<p>Responses are made in the formats below for each parameter.</p> <p><Parameter name>=<Type>, <Setting range></p> <table border="1" style="margin-left: 40px;"> <thead> <tr> <th>Type</th> <th>Meaning</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>ID</td> </tr> <tr> <td>N</td> <td>Number</td> </tr> </tbody> </table> <p>The definition of <Setting range> varies depending on the type.</p> <p>1. When the type is I (ID) <Setting range>: = <Setting option 1>, <Setting option 2>, <Setting option 3>, <Setting option 4>, ..., <Setting option N></p> <p>2. When the type is N (Number) <Setting range>: = <Setting option 1 minimum value>, <Setting option 1 maximum value>, <Setting option 2 minimum value>, <Setting option 2 maximum value>, ..., <Setting option N minimum value>, <Setting option N maximum value></p>	Type	Meaning	I	ID	N	Number
Type	Meaning						
I	ID						
N	Number						
Description	<p>This retrieves the setting range of each parameter.</p> <ul style="list-style-type: none"> -1 The setting ranges of the setting or control command parameters may differ depending on the projector status (input, display mode, etc.). -2 To ensure reliability, request the setting ranges before sending the setting or control commands. (Once the setting ranges have been obtained, the setting or control commands can be -3 For further details, refer to the descriptions of the commands. 						

Commands	RANGE POWER				Mode	Control	Setting	Reference
Function	Power control setting option request							
Format	RANGE□POWER							
Response	r:POWER=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>						ID	
	For all other responses, refer to "Error List."							
Description	This inquires about the power control setting options. -1 This inquiry can be executed in any status provided that AC power is supplied to the projector. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With the SX50, the inquiry can be made in the remote mode only. -2 The power can be controlled by the POWER command.							
Example	> RANGE POWER < r:POWER=l, ON, OFF * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	x
SX6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' is returned as an error response.

Commands	RANGE BLANK				Mode	Control	Setting	Reference
Function	BLANK setting option request							
Format	RANGE□BLANK							
Response	r:BLANK=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	<p>This command is used to inquire about the parameter options which enable BLANK to be set.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) The BLANK can be controlled using the BLANK command.</p>							
Example	> RANGE BLANK < r:BLANK=I, ON, OFF							
	*Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01. 00**	01. 01**	01. 01**	01. 01**				
	x	○	○	○				
	When a command is not supported, "e.000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE AUTOSETEXE				Mode	Control	Setting	Reference
Function	Auto setup setting option request							
Format	RANGE□AUTOSETEXE							
Response	r:AUTOSETEXE=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	<p>This command is used to inquire about the parameter options which enable auto setup to be set.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) Auto setup can be controlled using the AUTOSETEXE command.</p>							
Example	> RANGE AUTOSETEXE < r:AUTOSETEXE=I, FOCUS, VKS, SCRN, INPUT *Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01. 00**	01. 01**	01. 01**	01. 01**				
	x	○	○	○				
	When a command is not supported, "e.000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE INPUT				Mode	Control	Setting	Reference
Function	Input selection setting option request							
Format	RANGE□INPUT							
Response	r:INPUT=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable input selection to be set. -1 This inquiry can be made in the power-on status. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With the SX50, the inquiry can be made in the remote mode only. -2 The input selection can be controlled by the INPUT command.							
Example	> RANGE INPUT < r:INPUT=I, D-RGB, A-RGB1, A-RGB2, COMP, VIDEO, S-VIDEO * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	—	—	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE DOTS				Mode	Control	Setting	Reference
Function	Total dot number setting range inquiry							
Format	RANGE□DOTS							
Response	r:DOTS=N, <Minimum setting value>, <Maximum setting value>						Number	
	For all other responses, refer to "Error List."							
Description	<p>This inquires about the range within which the total number of dots can be set.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry.</p> <p>-2 The total number of dots can be set by the DOTS command.</p>							
Example	<p>> RANGE DOTS < r:DOTS=N, 0, 4096</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	○	○	x	x	x	-	-	x	○	x	
SX6	x	○	x	x	○	○	x	x	x	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE TRACK				Mode	Control	Setting	Reference
Function	Tracking adjustment range request							
Format	RANGE□TRACK							
Response	r:TRACK=N, <Minimum setting value>, <Maximum setting value>						Number	
	For all other responses, refer to "Error List."							
Description	<p>This inquires about the values to which the tracking can be adjusted.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry.</p> <p>-2 The tracking adjustment can be set by the TRACK command.</p>							
Example	> RANGE TRACK < r:TRACK=N, 0, 31 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input										Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	x	○	○	x	x	x	-	-	x	○	x		
SX6	x	○	x	x	○	○	x	x	x	x	x	x	○	x		
SX60																
X600																

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE HPIX/VPIX				Mode	Control	Setting	Reference
Function	Horizontal/vertical resolution setting range request							
Format	Horizontal resolution setting range inquiry RANGE□HPIX Vertical resolution setting range inquiry RANGE□VPIX							
Response	r:HPIX=N, <Minimum setting value>, <Maximum setting value> r:VPIX=N, <Minimum setting value>, <Maximum setting value> For all other responses, refer to "Error List."							Number
Description	These inquire about the ranges within which the horizontal and vertical resolutions can be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The horizontal and vertical resolutions can be set using the HPIX and VPIX commands, respectively.							
Example	> RANGE VPIX < r:VPIX=N, 0, 1000 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	x	x	x	-	-	x	○	x	
SX6	x	○	x	○	○	○	x	x	x	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE SEL				Mode	Control	Setting	Reference
Function	Input signal setting option request							
Format	RANGE□SEL							
Response	r:SEL=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	<p>This inquires about the parameter options which enable the input signals to be set.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry.</p> <p>-2 The input signals can be selected by the SEL command.</p>							
Example	> RANGE SEL < r:SEL=l, AUTO * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	-	-	x	○	x	
SX6	x	○	x	x	x	x	○	○	○	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE ASPECT				Mode	Control	Setting	Reference
Function	Screen setting option request							
Format	RANGE□ASPECT							
Response	r:ASPECT=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable the screen to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The screen settings can be selected by the ASPECT command.							
Example	> RANGE ASPECT < r:ASPECT=l, AUTO, NORMAL, WIDE * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE IMAGE				Mode	Control	Setting	Reference
Function	Image mode setting option request							
Format	RANGE□IMAGE							
Response	r:IMAGE=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable the image mode to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The image mode settings can be selected by the IMAGE command.							
Example	> RANGE IMAGE < r:IMAGE=I, STANDARD, PRESENTATION, CINEMA, SRGB * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE BRI				Mode	Control	Setting	Reference
Function	Brightness setting range request							
Format	RANGE□BRI							
Response	r:BRI=N, <Minimum setting value>, <Maximum setting value>							Number
	For all other responses, refer to "Error List."							
Description	This inquires about the range of values at which the brightness can be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The brightness can be set by the BRI command.							
Example	> RANGE BRI < r:BRI=N, -20, 20 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE CONT				Mode	Control	Setting	Reference
Function	Contrast setting range request							
Format	RANGE□CONT							
Response	r:CONT=N, <Minimum setting value>, <Maximum setting value>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the range within which the contrast can be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The contrast can be set by the CONT command.							
Example	> RANGE CONT < r:CONT=N, -20, 20 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE SHARP				Mode	Control	Setting	Reference
Function	Sharpness setting range request							
Format	RANGE□SHARP							
Response	r:SHARP=N, <Minimum setting value>, <Maximum setting value>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the range within which the sharpness can be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The sharpness can be set by the SHARP command.							
Example	> RANGE SHARP < r:SHARP=N, -4, 4 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE GAMMA				Mode	Control	Setting	Reference
Function	Gamma adjustment range request							
Format	RANGE□GAMMA							
Response	r:GAMMA=N, <Minimum setting value>, <Maximum setting value>							Number
	For all other responses, refer to "Error List."							
Description	This inquires about the range within which the gamma can be adjusted. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The gamma adjustment value can be set by the GAMMA command.							
Example	> RANGE GAMMA < r:GAMMA=N, -4, 4 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE DGAMMA				Mode	Control	Setting	Reference
Function	Dynamic gamma setting option request							
Format	RANGE□DGAMMA							
Response	r:DGAMMA=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable the dynamic gamma to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The dynamic gamma setting value can be selected by the DGAMMA command.							
Example	> RANGE DGAMMA < r:DGAMMA=l, 0, 1 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE PROG				Mode	Control	Setting	Reference
Function	Progressive setting option request							
Format	RANGE□PROG							
Response	r:PROG=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	<p>This inquires about the parameter options which enable the progressive setting to be selected.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry.</p> <p>-2 The progressive setting can be selected by the PROG command.</p>							
Example	<p>> RANGE PROG < r:PROG=l, 0, 1, 2</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	-	-	x	○	x	
SX6	x	○	x	x	x	x	○	○	○	x	x	x	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE WB				Mode	Control	Setting	Reference
Function	Screen color correction option request							
Format	RANGE□WB							
Response	r:WB=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable the screen color to be corrected. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The screen color correction can be set by the WB command.							
Example	> RANGE WB < r:WB=l, NORMAL, GREENBOARD, ADJUST * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE WBRGB				Mode	Control	Setting	Reference
Function	Screen color correction (adjustment) range request							
Format	RANGE□WBRGB							
Response	r:WBRGB=N, <R minimum value>, <R maximum value>, <G minimum value>, <G maximum value>, <B minimum value>, <B maximum value>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the range within which the screen color correction (adjustment) can be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The screen color correction (adjustment) can be set by the WBRGB command.							
Example	> RANGE WBRGB < r:WBRGB=N, -20, 20, -20, 20, -20, 20 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE SAT				Mode	Control	Setting	Reference
Function	Color saturation setting range request							
Format	RANGE□SAT							
Response	r:SAT=N, <Minimum setting value>, <Maximum setting value>							Number
	For all other responses, refer to "Error List."							
Description	This inquires about the range within which the color saturation can be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The color saturation can be set by the SAT command.							
Example	> RANGE SAT < r:SAT=N, -20, 20 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	-	-	○	○	x	
SX6	x	○	x	x	x	x	○	○	○	x	x	○	○	x	
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE HUE				Mode	Control	Setting	Reference
Function	Hue setting range request							
Format	RANGE□HUE							
Response	r:HUE=N, <Minimum setting value>, <Maximum setting value>							Number
	For all other responses, refer to "Error List."							
Description	This inquires about the range within which the hue can be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry. -2 The hue can be set by the HUE command.							
Example	> RANGE HUE < r:HUE=N, -20, 20 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	-	-	-	-	○	○	x	
SX6							-	○	○	-	-	x			
SX60	x	○	x	x	x	x	○	-	-		x	○	○	x	
X600							-	○	○		x	x			

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'INVALID_SOURCE' is returned as an error response.

* If the necessary signals are not input, 'INVALID_SIGNAL (*****)' or 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE RGBGAIN				Mode	Control	Setting	Reference
Function	RGB gain adjustment range request							
Format	RANGE□RGBGAIN							
Response	r:RGBGAIN=N, <R minimum value>, <R maximum value>, <G minimum value>, <G maximum value>, <B minimum value>, <B maximum value>						Number	
	For all other responses, refer to "Error List."							
Description	<p>This command is used to inquire about the range in which the RGB gain adjustment can be set.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) The RGB gain can be set using the RGBGAIN command.</p>							
Example	> RANGE RGBGAIN < r:RGBGAIN=N, -20, 20, -20, 20, -20, 20 *Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	x	○	○	○				
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE RGBOFFSET				Mode	Control	Setting	Reference
Function	RGB offset adjustment range inquiry							
Format	RANGE RGBOFFSET							
Response	r:RGBOFFSET=N, <R minimum value>, <R maximum value>, <G minimum value>, <G maximum value>, <B minimum value>, <B maximum value>						Number	
	For all other responses, refer to "Error List."							
Description	<p>This command is used to inquire about the current RGB offset adjustment values.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) The RGB offset can be set using the RGBOFFSET command.</p>							
Example	> RANGE RGBOFFSET < r:RGBOFFSET=N, -20, 20, -20, 20, -20, 20							
	*Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	x	o	o	o				
	When a command is not supported, "e:000A INVALID PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID.MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE ACADJUST				Mode	Control	Setting	Reference
Function	Advanced color adjustment option request							
Format	RANGE□ACADJUST							
Response	r:ACADJUST=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable the advanced color adjustment to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The advanced color adjustment can be set by the ACADJUST command.							
Example	> RANGE ACADJUST < r:ACADJUST=l, NOCORRECT, MEM_L, MEM_M, MEM_H, 6AX * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	x	x	x				
When a command is not supported, "e:000A INVALID_PARAMETER" is returned.								

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	x	x	x	○	○	○	-	-	○	○	x	
SX6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
X600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE MEMCADJ				Mode	Control	Setting	Reference
Function	Memory color adjustment setting option request							
Format	RANGE□MEMCADJ							
Response	r:MEMCADJ=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	<p>This command is used to inquire about the parameter options which enable the memory color adjustment to be set.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) The memory color adjustment can be set using the MEMCADJ command.</p>							
Example	> RANGE MEMCADJ < r:MEMCADJ=I, OFF, MEM_L, MEM_M, MEM_H *Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	x	○	○	○				
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE 6AXADJ				Mode	Control	Setting	Reference
Function	6-axis adjustment option inquiry							
Format	RANGE□6AXADJ							
Response	r:6AXADJ=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This command is used to inquire about the parameter options which enable the 6-axis adjustment to be set. (1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) (2) ON or OFF for the 6-axis adjustment can be set using the 6AXADJ command.							
Example	> RANGE 6AXADJ < r:6AXADJ=I, ON, OFF *Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01. 00**	01. 01**	01. 01**	01. 01**				
	x	o	o	o				
	When a command is not supported, "e.000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE 6AXR-6AXY				Mode	Control	Setting	Reference
Function	6-axis correction R to Y hue/color saturation setting range request							
Format	R range inquiry G range inquiry B range inquiry C range inquiry M range inquiry Y range inquiry RANGE□6AXR RANGE□6AXG RANGE□6AXB RANGE□6AXC RANGE□6AXM RANGE□6AXY							
Response	r:6AXR(G,B,C,M,Y)=N, <Minimum hue value>, <Maximum hue value>, <Minimum color saturation value>, <Maximum color saturation value>						Number	
	For all other responses, refer to "Error List."							
Description	This inquires about the range within which the 6-axis correction R to Y hue and color saturation can be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The 6-axis correction R to Y can be set by the 6AXR to Y command.							
Example	> RANGE 6AXC < r:6AXC=N, -20, 20, -20, 20 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE LAMP				Mode	Control	Setting	Reference
Function	Lamp output setting option request							
Format	RANGE□LAMP							
Response	r:LAMP=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable the lamp output to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The lamp output can be set by the LAMP command.							
Example	> RANGE LAMP < r:LAMP=I, NORMAL, SILENT * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE VKS/HKS				Mode	Control	Setting	Reference
Function	Vertical/horizontal keystone setting range request							
Format	Vertical keystone setting range inquiry RANGE□VK S		Horizontal keystone setting range inquiry RANGE□H KS					
Response	r:VKS=N, <Minimum setting value>, <Maximum setting value> r:HKS=N, <Minimum setting value>, <Maximum setting value> For all other responses, refer to "Error List."							Number
Description	These inquire about the ranges within which the vertical and horizontal keystone can be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The vertical and horizontal keystone settings can be selected by the VKS and HKS commands, respectively.							
Example	> RANGE HKS < r:HKS=N, -30, 30 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	-	-	x	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* If the necessary signals are not input, 'NO_SIGNAL' is returned.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE AVOL				Mode	Control	Setting	Reference
Function	Audio volume setting range request							
Format	RANGE□AVOL							
Response	r:AVOL=N, <Minimum setting value>, <Maximum setting value>							Number
	For all other responses, refer to "Error List."							
Description	This inquires about the range within which the audio volume can be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The audio volume can be set by the AVOL command.							
Example	> RANGE AVOL < r:AVOL=N, 0, 20 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE MUTE				Mode	Control	Setting	Reference
Function	Mute control setting option request							
Format	RANGE□MUTE							
Response	r:MUTE=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable mute control to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 Mute control can be set by the MUTE command.							
Example	> RANGE MUTE < r:MUTE=l, ON, OFF * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE BVOL				Mode	Control	Setting	Reference
Function	Beep sound setting option request							
Format	RANGE□BVOL							
Response	r:BVOL=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable the beep sound to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The beep sound can be set using the BVOL command.							
Example	> RANGE BVOL < r:BVOL=l, 0, 1 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE IMAGEFLIP				Mode	Control	Setting	Reference
Function	Flip display setting option request							
Format	RANGE IMAGEFLIP							
Response	r:IMAGEFLIP=i, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable the flip display to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The flip display can be set using the IMAGEFLIP command.							
Example	> RANGE IMAGEFLIP < r:IMAGEFLIP=i, NONE, CEILING, REAR, REAR_SEILING * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE PMM				Mode	Control	Setting	Reference
Function	Power management setting option request							
Format	RANGE□PMM							
Response	r:PMM=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>						ID	
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable power management to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 Power management can be set by the PMM command.							
Example	> RANGE PMM < r:PMM=I, OFF, STANDBY, EXIT * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE PJON				Mode	Control	Setting	Reference
Function	Display screen at startup setting option request							
Format	RANGE□PJON							
Response	r:PJON=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable the display screen setting at startup to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 The setting for the screen displayed at startup can be set by the PJON command.							
Example	> RANGE PJON < r:PJON=l, CANON, SKIP, LOGO * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE NOSIG				Mode	Control	Setting	Reference
Function	Display screen when there are no signals setting option request							
Format	RANGE□PJON							
Response	r:NOSIG=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>						ID	
	For all other responses, refer to "Error List."							
Description	<p>This inquires about the parameter options which enable the display screen when there are no signals to be set.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>-2 The display screen when there are no signals can be set by the NOSIG command.</p>							
Example	<p>> RANGE NOSIG < r:NOSIG=l, BLACK, BLUE, LOGO</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE NOSHOW				Mode	Control	Setting	Reference
Function	Display screen when nothing is shown setting option request							
Format	RANGE□NOSHOW							
Response	r:NOSHOW=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>						ID	
	For all other responses, refer to "Error List."							
Description	<p>This inquires about the parameter options which enable the display screen when nothing is shown to be set.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>-2 The current display screen when nothing is shown can be set by the NOSHOW command.</p>							
Example	> RANGE NOSHOW < r:NOSHOW=I, BLACK, BLUE, LOGO * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local		
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x	
SX60																
X600																

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE LOGOPOS				Mode	Control	Setting	Reference
Function	User image position setting option inquiry							
Format	RANGE□LOGOPOS							
Response	r:LOGOPOS=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	<p>This inquires about the parameter options which enable the user screen (logo) display position to be set.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>-2 An inquiry cannot be made if the user image has not been registered. (The "e:1002 NO_LOGO_CAPTURED" error is returned.)</p> <p>-3 The user image position can be set by the LOGOPOS command.</p>							
Example	<p>> RANGE LOGOPOS < r:LOGOPOS=l, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_R</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE LANG				Mode	Control	Setting	Reference
Function	Language setting option request							
Format	RANGE□LANG							
Response	r:LANG=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>						ID	
	For all other responses, refer to "Error List."							
Description	<p>This inquires about the parameter options which enable the language to be set.</p> <p>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>-2 The language can be set by the LANG command.</p>							
Example	<p>> RANGE LANG < r:LANG=l,ENG,FRA,GER,ITA,SPA,POR,SWE,DUT,RUS,CHS,CHT,KOR,JPN,FIN,NOR,TUR,POL,HUN,CZE,DAN</p> <p>* Commands are indicated by ">", and responses are indicated by "<".</p>							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE TERMINAL				Mode	Control	Setting	Reference
Function	Terminal setting option request							
Format	RANGE□TERMINAL							
Response	r:TERMINAL=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable the terminal to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) -2 The terminal can be set by the TERMINAL command.							
Example	> RANGE TERMINAL < r:TERMINAL=l, IN, OUT * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	x	x	x				
When a command is not supported, "e:000A INVALID_PARAMETER" is returned.								

Supported Command States

Model	Parameter	Power			Input									Mode	
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local
SX50	IN	x	○	x	○	○	○	○	○	○	-	-	○	○	x
	OUT	x	○	x	○	○	x	x	○	○	-	-	○	○	x
SX6															
SX60															
X600															

* If the command cannot be supported, 'INVALID_MODE,' 'NOT_POWER_SUPPLIED' or 'TERMINAL_OUT' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE KEYLOCK				Mode	Control	Setting	Reference
Function	Key lock setting option request							
Format	RANGE□KEYLOCK							
Response	r:KEYLOCK=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable key lock to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) -2 Key lock can be set by the KEYLOCK command.							
Example	> RANGE KEYLOCK < r:KEYLOCK=I, MAIN, RC * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE RCCH				Mode	Control	Setting	Reference
Function	Remote control setting option request							
Format	RANGE□RCCH							
Response	r:RCCH=l, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This inquires about the parameter options which enable remote control to be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 Remote control can be set by the RCCH command.							
Example	> RANGE RCCH < r:RCCH=l, 1, 2 * Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	○	○	○	○				

Supported Command States

Model	Power			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	x	○	x	○	○	○	○	○	○	○	-	-	○	○	x
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x

* If a command cannot be supported, 'INVALID_MODE' or 'NOT_POWER_SUPPLIED' is returned as an error response.

* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE GUIDE				Mode	Control	Setting	Reference
Function	Guide setting enable option request							
Format	RANGE□GUIDE							
Response	r:GUIDE=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	<p>This command is used to inquire about the parameter options which enable the guide to be set.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) The guide can be set using the GUIDE command.</p>							
Example	> RANGE GUIDE < r:GUIDE=I, ON, OFF *Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01. 00**	01. 01**	01. 01**	01. 01**				
	x	○	○	○				
	When a command is not supported, "e.000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE DPON				Mode	Control	Setting	Reference
Function	Direct power-on setting inquiry							
Format	RANGE DPON							
Response	r:DPON=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This command is used to inquire about the parameter options which enable direct power-on to be set. (1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.) (2) Direct power-on can be set using the DPON command.							
Example	> RANGE DPON < r:DPON=I, ON, OFF *Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01. 00**	01. 01**	01. 01**	01. 01**				
	x	o	o	o				
	When a command is not supported, "e.000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE LEDILLUMINATE				Mode	Control	Setting	Reference
Function	Emotional LED and signal sensing LED lighting setting option request							
Format	RANGE LEDILLUMINATE							
Response	rLEDILLUMINATE=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n> For all other responses, refer to "Error List."							ID
Description	<p>This command is used to inquire about the parameter options which enable emotional LED and signal sensing LED lighting control to be set.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) LED lighting control can be set using the LEDILLUMINATE command.</p>							
Example	> RANGE LEDILLUMINATE < rLEDILLUMINATE=I, ON, OFF *Commands are indicated by ">", and responses are indicated by "<".							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	x	o	o	o				
When a command is not supported, "e:000A INVALID_PARAMETER" is returned.								

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	o	x	o	o	o	o	o	o	o	o	o	o	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE ZSTEPDRV				Mode	Control	Setting	Reference
Function	Zoom lens step drive control option request							
Format	RANGE□ZSTEPDRV							
Response	r:ZSTEPDRV=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	<p>This command is used to inquire about the parameter options which enable the step drive of the zoom lens.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given if the zoom or focus lens is being driven . (Refer to the ZCONTRV command and FCONTRV command.)</p> <p>(2) Step control for the zoom lens can be exercised using the ZSTEPDRV command.</p>							
Example	> RANGE ZSTEPDRV < r:ZSTEPDRV=I, WIDE, TELE							
Commands supported	SX50	SX6	SX60	X600				
	01.00**	01.01**	01.01**	01.01**				
	x	○	○	○				
When a command is not supported, "e:000A INVALID_PARAMETER" is returned.								

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	x	
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE ZCONTDRV				Mode	Control	Setting	Reference
Function	Zoom lens continuous drive control option request							
Format	RANGE□CONTZDRV							
Response	r:ZCONTDRV=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	<p>This command is used to inquire about the parameter options which enable the zoom lens to be driven continuously.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given if the zoom or focus lens is being driven . (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>(2) Continuous control of the zoom lens can be exercised using the ZCONTDRV command.</p>							
Example	> RANGE ZCONTDRV < r:ZCONTDRV=I,-STOP, WIDE, TELE							
Commands supported	SX50	SX6	SX60	X600				
	01. 00**	01. 01**	01. 01**	01. 01**				
	x	○	○	○				
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE FSTEPDRV				Mode	Control	Setting	Reference
Function	Focus lens step drive control option request							
Format	RANGE□FSTEPDRV							
Response	r:FSTEPDRV=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>							ID
	For all other responses, refer to "Error List."							
Description	This command is used to inquire about the parameter options which enable the step drive of the focus lens. (1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given if the zoom or focus lens is being driven . (Refer to the ZCONTRV command and FCONTRV command.) (2) Step control for the focus lens can be exercised using the FSTEPDRV command.							
Example	> RANGE FSTEPDRV < r:FSTEPDRV=I, FAR, NEAR							
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**				
	x	○	○	○				
When a command is not supported, "e:000A INVALID_PARAMETER" is returned.								

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SX6 SX60 X600	x	○	x	○	○	○	○	○	○	○	○	○	○	x	

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE FCONTDRV				Mode	Control	Setting	Reference
Function	Focus lens continuous drive control option request							
Format	RANGE□FCONTDRV							
Response	r:FCONTDRV=I, <Setting option 1>, <Setting option 2>, ..., <Setting option n>						ID	
	For all other responses, refer to "Error List."							
Description	<p>This command is used to inquire about the parameter options which enable the focus lens to be driven continuously.</p> <p>(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. However, a "busy" response is given if the zoom or focus lens is being driven . (Refer to the ZCONTDRV command and FCONTDRV command.)</p> <p>(2) Continuous control of the focus lens can be exercised using the FCONTDRV command.</p>							
Example	> RANGE FCONTDRV < r:FCONTDRV=I, STOP, FAR, NEAR							
Commands supported	SX50	SX6	SX60	X600				
	01. 00**	01. 01**	01. 01**	01. 01**				
	x	○	○	○				
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.							

Supported Command States

Model	Power supply			Input									Mode		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SX6	x	○	x	○	○	○	○	○	○	○	○	○	○	○	x
SX60															
X600															

*If a state is not supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned with the Err response.

*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

10. Error List

Item	Code	TYPE	Error character strings	Errors supported by model				Error	Remedy
				(1)	(2)	(3)	(4)		
1	0001	e	BAD_SEQUENCE	○	○	○	○	Communication sequence error	Wait until the response is received to send the command.
2	0002	e	INVALID_COMMAND	○	○	○	○	Command is invalid (undefined).	Send the correct command.
3	0003	e	INVALID_MODE	○	○	○	○	The designated command cannot be executed in this mode.	Switch the mode using the REMOTE or LOCAL command.
4	0004	e	INVALID_FORMAT	○	○	○	○	The command format is incorrect.	Send in the correct command format.
5	0005	e	NOT_POWER_SUPPLIED	○	○	○	○	Power is not being supplied.	Use the POWER ON command to turn on the power.
6	-	i	BUSY	○	○	○	○	Mode switching or processing inside the projector is underway.	Wait until the power supply state changes to "ON", "OFF", or "PMM".
7	000A	e	INVALID_PARAMETER	○	○	○	○	The parameter (type) is invalid (undefined). This includes the case when the number of parameters is incorrect.	Use the correct parameter(s).
8	000B	e	JOB_TIMEOUT	○	○	○	○	SX50 internal processing has timed out.	Resend the command.
9	-	w	USER_COMMAND_VERSION_IS_UPDATED	○	○	○	○	The user command version is being updated.	Use GET COMVER to obtain the latest user command version.
10	-	i	BUSY (FOCUS)	○	○	○	○	The focus lens is now being driven.	Wait until the focus lens drive stops.
		i	BUSY (ZOOM)	○	○	○	○	The zoom lens is now being driven.	Wait until the zoom lens drive stops.
11	F001	e	SYSTEM (UNKNOWN)	○	○	○	○	An internal error occurred.	Resend the command.
	F002	e	SYSTEM (FOCUS)	○	○	○	○	An error occurred in AUTOSETEXE=FOCUS.	Eliminate the cause of the error, and resend the command.
	F004	e	SYSTEM (AUTO_KEYSTONE)	○	○	○	○	An error occurred in AUTOSETEXE=VKS.	
	F005	e	SYSTEM (SCREEN_COLOR)	○	○	○	○	An error occurred in AUTOSETEXE=SCRN.	
12	E0XX	e	COMMUNICATION_ERROR	○	○	○	○	A communication protocol violation occurred in the projector.	
13	200X	e	INVALID_SOURCE (****)	○	○	○	○	This cannot be executed with the current input source. The current input source is indicated in parentheses.	Change the input source.
14	2010	e	NO_SIGNAL	○	○	○	○	There is no signal input.	Input the signal.
	201X	e	INVALID_SIGNAL (****)	○	○	○	○	This cannot be executed with the current input signal. The current input signal is indicated in parentheses.	Change the input signal.
15	-	i	BUSY (NOW_SETTING)	○	○	○	○	Signal setting (detection) is in progress.	Wait until the processing is completed.
		i	BUSY (POWER_MANAGEMENT_READY)	○	○	○	○	Preparing to switch to power management standby.	
		i	BUSY (INTERNAL_PROCESS)	○	○	○	○	Heavy processing is in progress.	
		i	BUSY (FOCUS)	○	○	○	○	The focus lens is now being driven.	Wait until the focus lens drive stops.
		i	BUSY (ZOOM)	○	○	○	○	The zoom lens is now being driven.	Wait until the zoom lens drive stops.
16	0801	e	INVALID_VALUE	○	○	○	○	Numerical parameters are invalid or outside the range.	Use the RANGE command to obtain the parameter range, and then use a parameter within the range.
	0802								
17	1001	e	TERMINAL_OUT	○				The input cannot be selected since the terminal is set to output.	Use the TERMINAL command to set the terminal to input, and then select the input again.
	1002	e	NO_LOGO_CAPTURED	○	○	○	○	Processing cannot be executed since the user image is not registered.	Register the user image.
	1003	e	IP_NOT_AVAILABLE	○	○	○	○	IP conversion cannot be performed.	Change to the correct input signal.
	1004	e	POWER_MANAGEMENT_OFF		○	○	○	DPON cannot be set to ON when PMM is OFF.	Set DPON to ON when PMM is not OFF.
	1005	e	DIRECT_POWER_ON		○	○	○	PMM cannot be set to OFF when DPON is ON.	Set DPON to OFF.
	1006	e	NOW_BLANK		○	○	○	AUTOSETEXE=FOCUS or SCRN cannot be executed since BLANK is ON.	After setting BLANK to ON, resend the command.
	203X	e	INVALID_RESOLUTION (***)	○	○	○	○	The input signal resolution is not correct.	Change to the correct resolution of the input signal.
18	-	i	INPUT_NOT_FOUND		○	○	○	The input was not switched since no input signal was found with AUTOSETEXE=INPUT.	There is no action to be taken since the status has been notified.

- ※ The error code is expressed as a four-digit hexadecimal character string. 'X' is a number from '0' to '9' or letter from 'A' to 'F'.
- ※ Errors with the newer item numbers have higher priority. (When there is more than one error, the highest level error is returned. However, error priority is the same within the same item number.)
- ※ Given below is the correspondence between the numbers (1) to (4) in the "Errors supported by model" column and the models concerned.

(1)	SX50
(2)	SX6
(3)	SX60
(4)	X600

11. Other

Use the remote control emulation function (RC command) in Local mode for the following functions.

Function	RC command parameter
No display	NOSHOW
Freeze screen	FREEZE
Digital zoom	DZOOM_P, DZOOM_M
Presentation timer	P_TIMER
Spotlight function	SPOT

Appendix 1 Reset Items

What is initialized by the "RESET" command is set forth in the table below.

ALL	SYSTEM	IMAGE	Item	Setting	Reference command																																																								
●			Input source switching	A-RGB2	INPUT																																																								
●			Toggle button recording	C1:DRGB C2:ARGB2 V:VIDEO	-----																																																								
●	●		ARGB manual for input signal setting																																																										
●	●		Input signal select	AUTO	SEL																																																								
●	●		Input signal select (PC)	not selected	-----																																																								
●	●		Screen settings	FULL	ASPECT																																																								
●	●		Menu display position	CENTER	-----																																																								
●	●		Logo included/not included	not included	-----																																																								
●	●		User image position	CENTER	LOGOPOS																																																								
●	●		Screen in no show status	BLACK	NOSHOW																																																								
●	●		No signal screen	BLUE	NOSIG																																																								
●	●		Startup screen	CANON	PJON																																																								
●	●		Flip display	NONE	IMAGEFLIP																																																								
●	●		Image mode	STANDARD	IMAGE																																																								
What is initialized in the image modes																																																													
				<table border="1"> <thead> <tr> <th>STANDARD</th> <th>PRESEN</th> <th>CINEMA</th> <th>SRGB</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>NORMAL</td> <td>NORMAL</td> <td>NORMAL</td> <td>NORMAL</td> </tr> <tr> <td>0, 0, 0</td> <td>0, 0, 0</td> <td>0, 0, 0</td> <td>0, 0, 0</td> </tr> <tr> <td>NOCORRECT</td> <td>NOCORRECT</td> <td>NOCORRECT</td> <td>NOCORRECT</td> </tr> <tr> <td>0, 0</td> <td>0, 0</td> <td>0, 0</td> <td>0, 0</td> </tr> <tr> <td>NORMAL</td> <td>NORMAL</td> <td>SILENT</td> <td>NORMAL</td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	STANDARD	PRESEN	CINEMA	SRGB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NORMAL	NORMAL	NORMAL	NORMAL	0, 0, 0	0, 0, 0	0, 0, 0	0, 0, 0	NOCORRECT	NOCORRECT	NOCORRECT	NOCORRECT	0, 0	0, 0	0, 0	0, 0	NORMAL	NORMAL	SILENT	NORMAL	0	0	0	0	0	0	0	0	1	1	1	1	
STANDARD	PRESEN	CINEMA	SRGB																																																										
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●	●	●	Dynamic gamma	0	DGAMMA																																																								
●	●	●	Screen color correction	NORMAL	WB																																																								
●	●	●	" adjustment values (R,G,B)	0, 0, 0	WBRGB																																																								
●	●	●	Advanced color adjustment	NOCORRECT	ACADJUST																																																								
●	●	●	6-axis adjustment (SAT,HUE)	0, 0	6AXR~Y																																																								
●	●	●	Lamp mode	NORMAL	LAMP																																																								
●	●	●	Saturation	0	SAT																																																								
●	●	●	Hue	0	HUE																																																								
●	●	●	Progressive	1	PROG																																																								
●	●		Terminal setting	IN	TERMINAL																																																								
●	●		Power management	OFF	PMM																																																								
●	●		Electronic sound	1	BVOL																																																								
●	●		Key lock	OFF	KEYLOCK																																																								
●	●		Password on/off	OFF	-----																																																								
●	●		Password	None	-----																																																								
●	●		Remote control	CH1	RCCH																																																								
●	●		Language	ENG	LANG																																																								
●	●		Menu category item	not selected	-----																																																								
●	●		Last spotlight	circle(large)	-----																																																								
●	●		Spotlight OSD position	Initial position	-----																																																								
●	●		Volume	10	AVOL																																																								
●	●		Keystone	0,0 (HKS,VKS)	HKS, VKS																																																								
●	●		P-Timer	0	-----																																																								
●	●		Mute	OFF	MUTE																																																								
●	●		Lamp ready indicator off flag	Off	-----																																																								

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