Canon projector SX7/SX60/X700 User Commands
2007.08.29

User Command Specifications Version revision history

I. Version revision history

Numerical value		Description of revised version	Where revised
	2007.08.29	Version first created.	

II. Contents

Ш.	Contents Item	Page
1	Overview	1
	Communication Specifications	2
	Communication Flow	6
4.	Command System	7
	SX50	7
5	SX6 / SX60 / X600 Control Mode	8 9
	Key/Emulation function	10
	Power Management Mode	11
	Command List	12
9.	Details of command	13
ļ	REMOTE LOCAL	14
}	POWER	15 16
l	AUTOS E TEXE	17
	BLANK	18
L	INPUT	19
ļ	AUTOPC	20
	DOTS TRACK	21 22
}	HPOS/VPOS	23
 	HPIX/VPIX	24
	SEL	25
ļ	ASPECT	26
ļ	IMAGE	27
	BRI CONT	29 30
	SHARP	31
	GAMMA	32
	DGAMMA	33
ļ	PROG	34
ļ	WB WBRGB	36
	SAT	37 38
l	HUE	39
	RGBGAIN	40
ļ	RGBOFFSET	41
ļ	ACADJUST MEMCADJ	42 43
}	6AXADJ	43
l	6AXR ~ Y	45
	LAMP	46
	RESET	47
ļ	VKS/HKS	48
ļ	AVOL MUTE	49 50
	BVOL	50 51
	IMAGEFLIP	52
	PMM	53
ļ	PJON	54
ļ	NOSIG NOSHOW	55 56
}	LOGOPOS	56 57
l	LANG	58
	TERMINAL	59
	KEYLOCK	60
	RCCH	61
	GUID DPON	62 63
l	LEDILLUMINATE	64
<u> </u>	ZSTEPDRV	65
[ZCONTDRV	66
ļ	FSTEPDRV	67
 -	FCONTDRV RC	68 60
f	MAIN	69 71
l	GET	72
[GET MODE	73
ļ	GET POWER	74
<u> </u>	GET BLANK	75

User Command Specifications Contents

Item	Page
GET INPUT	76
GET DOTS	77
GET TRACK	78
GET HPOS/VPOS GET HPIX/VPIX	79 80
GET SEL	81
GET ASPECT	82
GET IMAGE	83
GET BRI	84
GET CONT GET SHARP	85 86
GET GAMMA	86 87
GET DGAMMA	88
GET PROG	89
GET WB	90
GET WBRGB	91
GET SAT GET HUE	92 93
GET RGBGAIN	94
GET RGBOFFSET	95
GET ACADJUST	96
GET MEMCADJ	97
GET 6AXADJ GET 6AXR ~ 6AXY	98 99
GET LAMP	100
GET VKS/HKS	101
GET AVOL	102
GET MUTE	103
GET BVOL	104
GET IMAGEFLIP GET PMM	105 106
GET PJON	107
GET NOSIG	108
GET NOSHOW	109
GET LOGOPOS	110
GET LANG GET TERMINAL	111 112
GET KEYLOCK	113
GET RCCH	114
GET GUID	115
GET DPON	116
GET LEDILLUMINATE GET NOSHOWSTATUS	117 118
GET FREEZE	119
GET SIGNALSTATUS	120
GET LAMPCOUNTER	121
GET ERR	122
GET PRODCODE GET ROMVER	123 124
GET COMVER	125
RANGE	126
RANGE POWER	128
RANGE BLANK	129
RANGE AUTOSETEXE RANGE INPUT	130 131
RANGE DOTS	132
RANGE TRACK	133
RANGE HPOS/VPOS	134
RANGE HPIX/VPIX	135
RANGE SEL RANGE ASPECT	136 137
RANGE IMAGE	138
RANGE BRI	139
RANGE CONT	140
RANGE SHARP	141
RANGE GAMMA	142 143
RANGE DGAMMA RANGE PROG	143
RANGE WB	145
RANGE WBRGB	146

User Command Specifications Contents

Item	Page
RANGE SAT	147
RANGE HUE	148
RANGE RGBGAIN	149
RANGE RGBOFFSET	150
RANGE ACADJUST	151
RANGE MEMCADJ	152
RANGE 6AXADJ	153
RANGE 6AXR ~ 6AXY	154
RANGE LAMP	155
RANGE VKS/HKS	156
RANGE AVOL	157
RANGE MUTE	158
RANGE BVOL	159
RANGE IMAGEFLIP	160
RANGE PMM	161
RANGE PJON	162
RANGE NOSIG	163
RANGE NOSHOW	164
RANGE LOGOPOS	165
RANGE LANG	166
RANGE TERMINAL	167
RANGE KEYLOCK	168
RANGE RCCH	169
RANGE GUID	170
RANGE DPON	171
RANGE LEDILLUMINATE	172
RANGE ZSTEPDRV	173
RANGE ZCONTDRV	174
RANGE FSTEPDRV	175
RANGE FCONTDRV	176
10. Error List	177
11. Other	178
Appendix 1 Reset Items	179
Appendix 2 Table of Response Patterns by Command	180

User Command Specifications 1. Overview

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.
[<u>-</u>	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

communication system	Item	Specific	cations							
	Communication system Transmission speed	RS-232-C Start-stop synchronization Semi-dup 19.2 K b p s	olex communication							
	Character length	8 bits/character								
	Stop bit	2 bits								
	Parity None									
	Parity None Transmission format Variable-length record with terminal as delimiter									
	Maximum transmission	Maximum of 256 characters (bytes) including de								
	length									
	Delimiters Delimiters are one of CR, LF, CR+LF, Null (0) (Delimiters are identified autor Response delimiters are identical to command delimiters.									
	Transmission codes	o 7Fh), Tab (09h) re considered "othe	r separator codes")							
	(Codes other than those above and delimiters are considered "other separa Uppercase and lowercase of alphabetic characters are considered the sam Double-byte characters and single-byte characters are not distinguished. A single-byte characters.									
	Communication procedure									
	Flow control	None								
	Error control	None								
	Break signal	Not supported								
	Time out	Tc Character :10ms	* [or the SX50						
	Time out			or the SX6, SX60,X600,SX7						
		· ·	iliu LF is Tullis.) F	or the 3x6, 3x60,x600,3x7 (
		Tr Command/response interval:10S								
Connection										
pecifications										
•	PC - Projector connection	status	lt a	On a differential and						
	con		Item	Specifications						
	POR	T PORT	Connection	PC: Connected on a "1:1"						
			system	basis with the projector						
		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Connection	3-line connection of SD,						
		Canon	signal line	RD, and SG						
				Dedicated cable						
	PC	Dedicated cable Projector	Connection cable	The connection diagram is						
	Send data SD Receive data RD	SD Send data RD Receive data	Cable	here.						
	Signal ground SG—	SG Signal ground								
		ector, none of the signal lines except for the three ry, loop back its own signals at the PC side.	lines of SD, RD an	d SG are used!						
Control	The projector has two cont	trol modes, the local mode and remote mode .								
Mode	Most user commands are									
		REMOTE command								
	LOCAL mode	(R	REMOTE mode	1						
		LOCAL command								
	Initial mode of projector The available user comm		trol and main unit p	·						
ommunication system	Communication between the command sent from the F	he PC and projector is performed by the projector PC.	responding by sen	ding a response to the						
	If AC power is supplied to	the projector, communication is possible regardles	ss of whether the p	ower is on or off.						
	PC	Projector								
	Commands									
	Comman	nas								

Transmission format	<command character<="" th=""/> <th>strings> <delimiters></delimiters></th> <th></th>	strings> <delimiters></delimiters>	
	<command characte<="" td=""/> <td>Character strings consisting of 0 or more alphanumeric</td> <td>0</td>	Character strings consisting of 0 or more alphanumeric	0
	strings>	Icharacters	Command List
	<delimiters></delimiters>	One of CR (0Dh), LF (0Ah), CR+LF (0Dh+0Ah), Null (00h)	
	<u> </u>		
Type	Туре	Description	Response
Null	<u> </u>	Commands with a command character string length of 0. No command	
i tuli		processing is performed.	OK
		processing is performed.	BUSY
	Null Commands	Abull accommend absented atrium. Chanacter atrium with law ath	WARN
	Character string	<null character="" command="" string="">:= <character length<="" string="" td="" with=""><td> </td></character></null>	
	1	<u>0></u>	ERR
			GET
			RANGE
Control		Projector control command. The format is shown below.	OK
			BUSY
	Control command	<control character="" command="" string="">:= <control name=""></control></control>	WARN
	Character string	<parameter value=""></parameter>	ERR
	1		GET
			RANGE
Setting		Command that sets values for each parameter. The format is shown below.	OK
Coung		Communication values for each parameter. The format is chewn below.	BUSY
	Setting command	Cotting command character strings December name.	WARN
	Character string	<setting character="" command="" strings="">:= <parameter name=""> =</parameter></setting>	
	Character string	< <u>Parameter value></u>	ERR
		For the definition of <parameter value="">, refer to "Parameter definitions."</parameter>	GET
			RANGE
Reference		Requests current value of each parameter. The format is shown below.	OK
			BUSY
		<reference character="" command="" string="">:=? <parameter name=""> </parameter></reference>	WARN
		GET <parameter name=""></parameter>	ERR
			GET
	Reference		RANGE
	command	Requests range which can be set for each parameter. The format is shown	OK
	Character string	below.	
	Sharaotor String	DGIOW.	BUSY
	1	Barrier Barrier	
		<range character="" command="" request="" string="">:= RANGE</range>	WARN
	1	<parameter name=""></parameter>	ERR
	1		GET
			RANGE

State response IOK.IBUSY et								
State response I.OK.IB.USY et		1		The first two charac	ters are always <or< td=""><td>e lowercase le</td><td></td></or<>	e lowercase le		
Warning w/USER_COME				Response typ	oe M	eaning	Example	
BUSY Delimiters Description OK After processing of each command is completed, a response is sent indicating that the next can be received. Consequence Conseque								
Type Delimiters Delimiters for commands sent from PC Type Description OK After processing of each command is completed, a response is sent indicating that the next can be received. Sourcesponse Sent when a command cannot be received during processing. Sourcesponse Sent when a command cannot be received during processing. Sourcesponse Wait for a few moments, and then try sending the command again. Sourcesponse Sent when a command cannot be received during processing. Sourcesponse Sent when a command cannot be received during processing. Sourcesponse Sent when a command cannot be received during processing. Sourcesponse Sent when a command cannot be received during processing. Sourcesponse Sent when try sending the command again. Sourcesponse Sent when warning information is issued. Note that this command cannot executed. Sourcesponse Sent when warning information is issued. Note that this command cannot executed. Sourcesponse Sent when warning information is issued. Note that this command cannot executed. Sourcesponse Sent when warning information is issued. Note that this command cannot executed. Sourcesponse Sent when warning information is issued. Note that this command cannot executed. Sourcesponse Sent warning Sent warning description Sourcesponse Sent warning Sent warning description Sourcesponse Sent warning Sent warning description Sourcesponse Sent warning Sent warning Sent warning Sourcesponse Sent war								
Type OK OK OK After processing of each command is completed, a response is sent indicating that the next cook response can be received. BUSY BUSY This response character string>:=i:OK BUSY Tresponse Wait for a few moments, and then try sending the command again. CBUSY response character string>:=i:BUSY Example: > IMAGE=2						mand response		
April								
Type OK OK After processing of each command is completed, a response is sent indicating that the next can be received. SUSY BUSY response character string>:=i:OK BUSY response character string>:=i:BUSY BUSY response character string>:=i:BUSY Example: > IMAGE=2					l		,,	
OK response After processing of each command is completed, a response is sent indicating that the next can be received. SUSY BUSY response character string>:=i:OK BUSY response be sent when a command cannot be received during processing. Wait for a few moments, and then try sending the command again. SUSY response character string>:=i:BUSY Example: > IMAGE=2		<de< td=""><td>limiters></td><td>Delimiters for comm</td><td>nands sent from PC</td><td></td><td></td></de<>	limiters>	Delimiters for comm	nands sent from PC			
OK response After processing of each command is completed, a response is sent indicating that the next can be received. SUSY BUSY response character string>:=i:OK BUSY response be sent when a command cannot be received during processing. Wait for a few moments, and then try sending the command again. SUSY response character string>:=i:BUSY Example: > IMAGE=2	vne.	Type			Descripti	on		
RERR ERR ERR ERR ERR CAN error message is output. **Error response character string>:= e: **Error code> is expressed as a four-digit hexadecimal number. Refer to "Error List"! Example: > bacdefg < e:0002 INVALID_COMMAND GET GET Request response for each parameter. **CARN CARN CARN CARN CARN **Example: > image: can be received during processing. **Example: > IMAGE=2 < i:BUSY **Example: IMAGE=2 <			After processi	ing of each command			ndicating that the next command	
response Wait for a few moments, and then try sending the command again. Susy response character string>:=i:BUSY			can be receive	red.				
WARN response WARN response WARN response Example: > IMAGE=2	SY					• • • • • • • • • • • • • • • • • • • •	ocessing.	
WARN response WARN response WARN response This response is sent when warning information is issued. Note that this command cannot executed. Warning response character string>:= w: <warning description=""> Example: > IMAGE=2</warning>				esponse character st	ring>:=i:BUSY			
response executed. square;square;square;			-	_				
ERR ERR ERR Fesponse An error message is output. Error response character string>:= e: <error code=""> <error message=""> Error code> is expressed as a four-digit hexadecimal number. Refer to "Error List"! Example: > abcdefg</error></error>	RN	WARN	This response	e is sent when warning	g information is issue	ed. Note that t	this command cannot be	
ERR response An error message is output.		response		g response character	r string>:= w: <war< td=""><td>ning description</td><td>on></td></war<>	ning description	on>	
response Serror response character string>:= e: <error code=""> <error message=""> < Error code> is expressed as a four-digit hexadecimal number. Refer to "Error List"! Example: > abcdefg</error></error>				_	ND_VERSION_IS_U	IPDATED		
GET GET GET GET Request response for each parameter. response Example: > abcdefg < e:0002 INVALID_COMMAND GET response for each parameter. <get character="" response="" string="">:=g<parameter name="">=<value> Example: > GET LANG or ? LANG < g:LANG=JPN RANGE RANGE response RANGE response character string> := r:<parameter name="">=<type>, <setting p="" value<=""></setting></type></parameter></value></parameter></get>	RR							
Refer to "Error List"! Example: > abcdefg								
GET response Request response for each parameter. <u>GET response character string>:=g<parameter name="">=<value></value></parameter></u> Example: > GET LANG or ? LANG					as a lour-digit flexat	iecimai numbe		
ANGE response Comparison				-	OMMAND			
<pre>ANGE</pre> <pre></pre>								
RANGE RANGE response This is the settable range response for each parameter. <range character="" response="" string=""> := r:<parameter name="">=<type>, <setting p="" value<=""></setting></type></parameter></range>		response	<get res<="" td=""><td>sponse character stri</td><td>ng>:=g<paramete< td=""><td>r name>=<valu< td=""><td>ue></td></valu<></td></paramete<></td></get>	sponse character stri	ng>:=g <paramete< td=""><td>r name>=<valu< td=""><td>ue></td></valu<></td></paramete<>	r name>= <valu< td=""><td>ue></td></valu<>	ue>	
response <range character="" response="" string=""> := r:<parameter name="">=<type>, <setting a="" value<=""></setting></type></parameter></range>					NG			
	GE							
			<range r<="" td=""><td>response character s</td><td>tring> := r:<param< td=""><td>eter name>=<</td><td>Type>, <setting range="" value=""></setting></td></param<></td></range>	response character s	tring> := r: <param< td=""><td>eter name>=<</td><td>Type>, <setting range="" value=""></setting></td></param<>	eter name>=<	Type>, <setting range="" value=""></setting>	
<for <setting="" range="" value=""> refer to the RANGE command.</for>				<for <setting="" td="" value<=""><td>range> refer to the I</td><td>RANGE comma</td><td>and.</td></for>	range> refer to the I	RANGE comma	and.	
Example: > RANGE CONT								

Other Transmissio

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.

Parameter value Definition

The <Parameter value> is defined as shown below.

<ID>

<Character string>

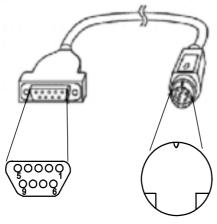
<Parameter value>:=<Value 1> <Value 2> .. <Value n>
<Value>:=<Numerical value> | <ID> | "<Character string>"

<Numerical value> := [<Sign>] <Decimal character string (Min. 1 character to Max. 5 characters)>

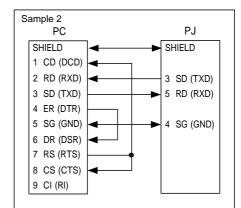
The range of valid values is -32768 to 32767. := 1 or more ASCII characters (20h to 7Fh) := 0 or more ASCII characters (20h to 7Fh)

Cable

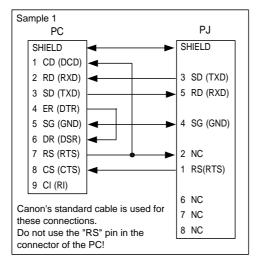
The connection diagram (example) for the cable connecting the PC and projector is shown below.

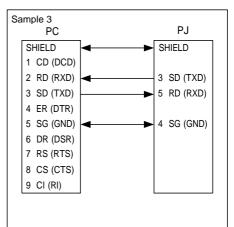


PC PJ
D-SUB 9pin FEMALE MINI DIN 8pin MALE



Example of self-loopback connections when the "CS" and "DR" pins are used in the connector of the PC.





Example of minimally required connections.

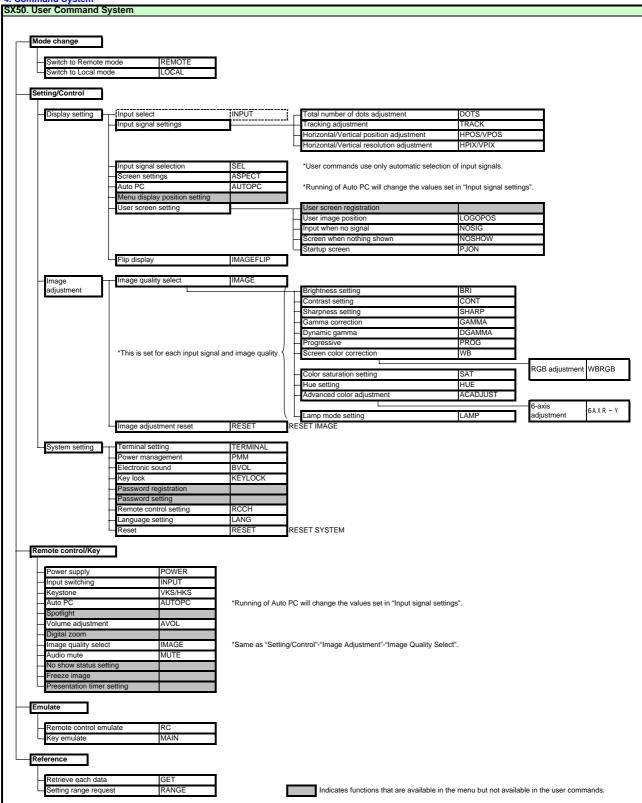
User Command Specifications 3. Communication Flow

3. Communication Flow

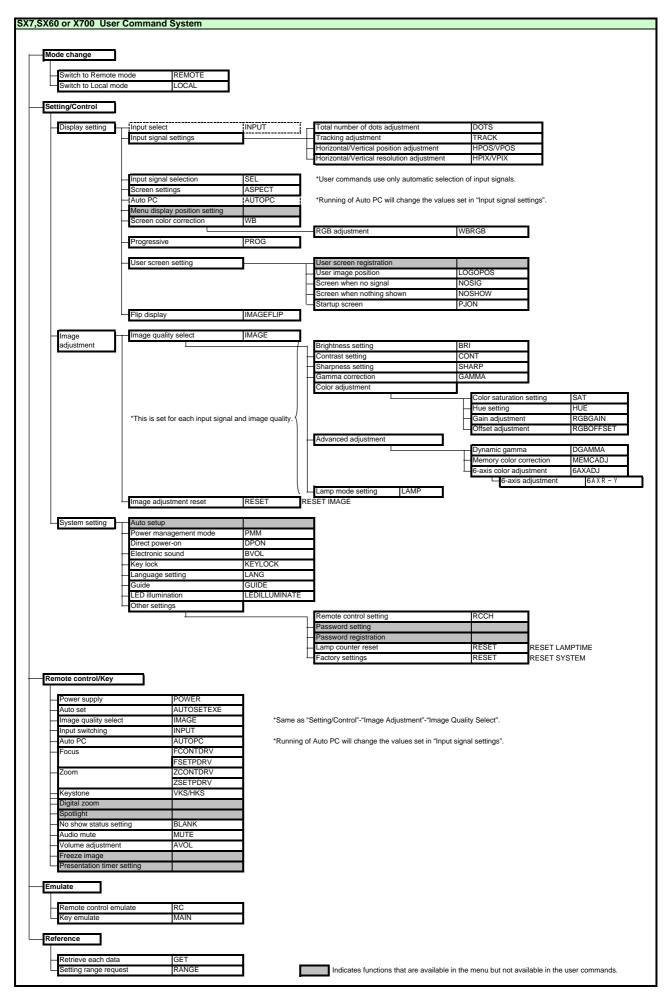
Transmission sent	At the sending side (PC), the transmission is sent within character intervals of Tc (character interval timeout).
Transmission received	At the receiving side (Projector), data able to be received within the character interval of Tc is held, and receiving of a delimiter is considered "transmission received". If a received character interval exceeds Tc 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	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.) PC Projector Within Tr Response *The timeout interval between command and response (Tr) is 10 seconds.
Response reception timeout	If a response is not received within Tr (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".

User Command Specifications 4. Command System SX50

4. Command System



User Command Specifications SX6 / SX60 / X600



User Command Specifications 5. Control Mode

5. Control Mode

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

	Mode	LOCAL mode	REMOTE mode
Item			
Des	scription	Mode where projector control/operation is performed by the main unit or remote control Initial mode when microcomputer is started	· · · · · · · · · · · · · · · · · · ·
LED	Status ALM	State indicator ALM state indicator	Constant remote indicator 2 ALM state indicator
Transit	ion method	AC power supply to projector Manual power on/off LOCAL command Power management standby/exit mode tra	·REMOTE command
	Main unit keys	All available	Only POWER button is available
Operation buttons	Remote control keys	All available	Only POWER button is available
	Emulation	Available 1	Not available
		5 minutes elapsed from no signal	Operation is as follows depending on the model
Power management andby and exit modes	Switching		SX50 No switching to standby or exit mode.
	Return	· Signal input · Remote control button pressed · Main unit button pressed · Emulation	·REMOTE command
Comman	nds supported	For the SX50 Command/parameter Remain REMOTE LOCAL GET MODE MAIN RC For the SX6, SX60,X600,SX7 or X700 Command/parameter Remain Rema	

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

LED indicator pattern during REMOTE mode



^{*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"

User Command Specifications 6. Key/Emulation function

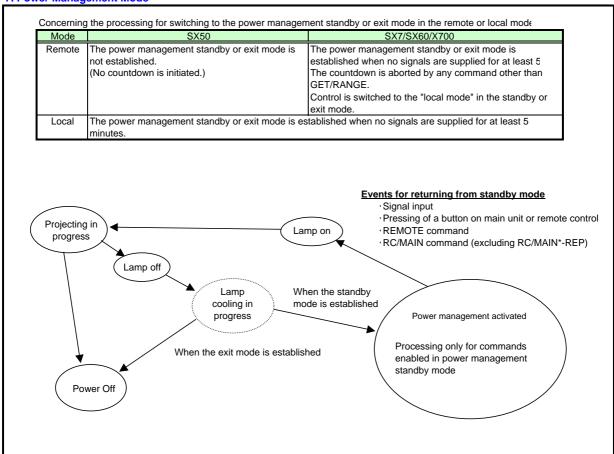
6. Key/Emulation function

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

		OCAL mode	е	REMOTE mode		
Key/Emulation	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				×	×	×

User Command Specifications 7. Power Management Mode

7. Power Management Mode



User Command Specifications 8. Command List

8. Command List

8. Co	ommand List						
Item	Commands		Description			and type	
				Mode	Control	Setting	Reference
	REMOTE		ng to Remote mode				
2	LOCAL		ng to Local mode				
	POWER		supply control				
	AUTOSETEXE		tup execution				
	BLANK		function				
	INPUT		rminal select				
	AUTOPC	Auto Po	Cexecution				
8	DOTS		Total number of dots adjustment				
9	TRACK	Input	Tracking adjustment				
	HPOS	signal	Horizontal position adjustment				
11	VPOS	settings	Vertical position adjustment				
	HPIX		Horizontal resolution adjustment				
_	VPIX		Vertical resolution adjustment				
	SEL		gnal selection				
	ASPECT		settings				
	IMAGE	Image i					
	BRI		ess setting				
	CONT		st setting				
	SHARP		ess setting				
	GAMMA		a correction				
	DGAMMA	_	ic gamma				
	PROG	Progres					
_	WB		color correction				
	WBRGB		color correction (RGB adjustment)				
	SAT		aturation setting				
	HUE	Hue se					
	RGBGAIN	U	ain adjustment				
	RGBOFFSET		fset adjustment				
	ACADJUST		ed color adjustment				
	ACADJUST		y color correction				
	6AXADJ	6-axis a	adjustment ON/OFF				
	6AXR	1	R setting				
	6AXG	6-axis	G setting				
	6AXB	color	B setting				
	6AXC	adjust	C setting				
	6AXM	1	M setting				
	6AXY	ļ. —	Y setting				
	LAMP		node setting				
	RESET	Reset					
	VKS		oid adjustment (vertical keystone)				
	HKS		oid adjustment (horizontal keystone)				
	AVOL		adjustment				
_	MUTE	Mute	1 00				
	BVOL		ound setting				
	IMAGEFLIP		play control				
46	PMM		management				
	PJON		screen at startup setting				
	NOSIG		screen when no signal setting				
	NOSHOW		screen setting when nothing shown				
	LOGOPOS		nage position setting				
	LANG		ge selection				
	TERMINAL		al setting				
	KEYLOCK		k setting				
	RCCH		e control setting				
	GUIDE	Guide s	0				
	DPON		power-on setting				
	LEDILLUMINATE		al LED and signal sensing LED lighting control				
	ZSTEPDRV		ens step drive control				
	ZCONTDRV		ens continuous drive control				
	FSTEPDRV		ens step drive control				
	FCONTDRV		ens continuous drive control				
62	RC		e control operation emulation				
	MAIN		anel button operation emulation				
	GET	Retriev					
65	RANGE	Setting	range request				

9. Details of command

" when power supply state is OFF.

Descriptions of each command are provided starting from the next page. The command descriptions have the format shown below. Command type Commands * Alphabetic command name 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. This provides command usage examples. Example Commands SX50 SX7 SX60 X700 supported 01.**** 11.**** 11.**** 11.**** Indicated here are the commands supported by each model (and user command version). "O": supported; "x": not supported. * This defines the environments that support the command (power supply state, input signal Supported Command State state, control mode). Input Remarks OFF ON PM D-RGB A-RGB1 A-RGB2 Comp | Video S-Video D-Video SCART None Remote Local The command is enabled in states marked by " The command is enabled in control modes marked by " " when the power supply state is enabled while power management is in standby. Input signal is required when " \mathbf{x} ". " when power supply state is ON.

Commands	REMOTE	 E				N	Mode	Control	Setting	Reference
	Switch to Remo					I				
Format	REMOTE									
Parameter	None									
Response	"i:OK" is returne For all other res		•		the mode p	oroperly.				
	·Spotlig ·Screen ·Freeze ·Comma	note modition. and can loom or five ZCON' were many as switch ally. (50, the standard can look on the remains and commence in tempor the image of and now ing, zoor lay" is no splay using mode can be	le, all buttor be used in a cous lens d TDRV comr agement st hed to the r setting, con- note mode. be used onl and X600, n the local n command d is execute mer display ay ary off (Nos (Freeze) be being exec- ning undervot cleared b ng the GUII	any projectorive stops if in mand and FC and by status emote mode trol and refer y in the "locathere are semode.".) d, all the state show) Cutted (exceptively (with the y the transfed comman)	r mode. the zoom or CONTDRV o to the "REMo the "power rence comm al mode.") veral setting tuses and s the during "use SX6, SX60 or of operation d.	focus lens command.) OTE" command: r-on" (lamp ands excelled, control a ettings listed and X600 on to the recommand.	s is be mand lighte ppt for and ref ed bel egistra) mote	was received) statu RC and ference of ow are of attion")	n. eived an s is esta MAIN c comman cleared.	nd ablished an be ads
	< g:MODE=L0 * Commands are i		by ">". and r	esponses are	indicated bv "	'<".				
Commands supported	SX50	SX7 1.01**	SX60 01.01**	X700 01.01**						

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50										-	-				
SX7															
SX60															
X700															

Commands	LOCA	L					Мо	de (Control	Setting	Reference
Function	Switch to L	ocal mode					•				
Format	LOCAL	_									
Parameter	None										
Response		turned when			h the mo	ode prop	erly.				
Description											
	-1 The foll	lowing comm	nands can be	e used while	e the loc	al mode	is establ	ishe	d.		
		3 - 1				orted by m					
		Command	/parameter	SX50 01.00**	SX7 01.01**	SX60 01.01**	X700 01.01**				
		MOTE									
		CAL									
		T MODE T COMVER		×							
		TERR		×							
		T FREEZE		×							
		T INPUT		×							
		T LAMPCOL	JNTER	×							
		T MUTE	07.47110	×							
		T NOSHOW T POWER	STATUS	×							
		T PRODCOI)E	×							
		T ROMVER	<i>)</i>	×							
		T SIGNALS	TATUS	×							
	MA										
	RC										
	-2 This co	mmand can	be used in a	ny projecto	r mode.						
		er, zoom or f					us lens is	beir	ng driver	١.	
		to the ZCON									
		rrent mode c		•				nand	d.		
	-4 The "Bl	LANK status'	' is cleared.	Refer to BL	ANK co	mmand.					
Example	Mode switch	hina									
	> LOCAL	•									
	< i:OK										
	Mode viev	wina									
		wing ODE or ?MC)DE								
		E=LOCAL	,DL								
Commands	* Commands SX50	s are indicated SX7	by ">", and re	esponses are X700	ındicated	1 by "<".	1		T		
supported		01.01**	01.01**	01.01**							
	01.00	01.01	01.01	01.01							
				<u> </u>	1	<u> </u>	I				

Ouppo.															
Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50										-	-				
SX7															
SX60															
X700															

Commands	POWE	ER						Mode	Control	Setting	Reference
Function	This contro	ls the power	supply				•				
Format	POWE	R <parame< th=""><th>eter:ID></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></parame<>	eter:ID>								
Parameter											
		eter Meanin									
	ON OFF										
	OFF	Power (JFF								ID
	The parame	eters which o	can be contr	olled at	any give	en point	in time ca	an be o	btained		
	U	ANGE comr									
	For details,	refer to the	RANGE cor	nmand.							ļ
Response	"i:OK" is ret	urned if the	parameter v	vas set r	roperly.						
		r responses,									
Description	This perform	ms ON/OFF	control of th	e power	supply						
Doodription	Tillo politori	110 011/01 1		o porror	ouppiy.						
		mmand is id									
	-2 Provide status.	ed that the re	mote mode	s is estal	olished,	the com	mand ca	n be ex	recuted i	n any pi	ojector
		er, zoom or f	ocus lens d	rive ston	s if the :	zoom or	focus ler	ns is he	ina drive	'n	
		to the ZCON							ing anve	·11.	
		ending this co						wer sup	ply state	at regu	lar
		s, and check				,	,		.1		
	-4 The tab	le below sho	ows the PO	VER cor	nmand	respons	es accor	ding to	the powe	er supply	y state.
			ommand Re		by						
			er Supply S	State							
	Stat	Comma	POWER	ON POV	VER OFF						
	Off										
	Off	-> lighted									
		np on									
		nted -> off nted -> standb	N/								
		tandby	у			: i:Oł	<				
		ndby -> lighted	d			: i:Bl	JSY				
	-5 The cui	rent power s	supply statu	s can be	referen	- ced usir	ng the ap	plicable	GET co	mmand	i.
		ails, refer to					3				
Example	Control										
	> POWEI	R ON									
	< i:OK										
	Reference										
		OWER or ?P	OWER								
	< g:POW										
	•	of paramete	rs which ca	n be set							
		E POWER ER=I,ON,OF	F								
	5111		-								
0		are indicated				ated by "	<".				
Commands supported		SX7 01.01**	SX60 01.01**	X700 01.01							
	01.00	01.01	01.01	01.01							
				_		_					

Model	F	owe	r					Input					Mo	de	Damada
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50										-	-			×	
SX7														×	
SX60															
X700															

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Function Auto setup Format AutoSETEXE - Auto set parameter:ID> Parameter Auto set parameters Parameter	Commands	AUTOS	FTFX	F			Mode	Control Set	ting Reference
Auto set parameters Parameter Meaning				<u> </u>					9
Auto set parameters Parameter Meaning	Format	AUTOSETI	EVE -AII	to not noram	otor: IDs				
Parameter Meaning FOCUS Auto focusing VKS Auto keystone (vertical) execution SCRN Automatic screen color correction execution INPUT Automatic signal sensing execution INPUT INPUT	Folillat	AUTOSETE	INE CAU	to set paran	10101 .10>				
POCUS Auto focusing VKS Auto keystone (vertical) execution SCRN Automatic screen color correction execution INPUT Automatic signal sensing execution The parameters which can be controlled at any given point in time can be obtained using the RANGE command. Response TiOK* 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.	Parameter					_			
VKS						4			
SCRN avecution					cal) execution				
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. Response **i-iOK** 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. Type		SCRN			lor correction				
Response "iCIK" 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. Type Error response FOCUS Error STERM (AUTO KEYSTONE) SCRN ErOOS SYSTEM (FOCUS) VKS EFOOS SYSTEM (SCREIN COLOR) For all other responses, refer to "Error List." Description This command is used to execute auto setup. (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 ZCONTDRV command and FCONTDRV command.) (2) There are no parameters to be executed together. Execute them separately. (3) It is not possible to execute auto setup in some projector statuses. Type Statuses in which auto setup Remarks		INPUT			sing execution				ID
One of the following responses is returned if an error has been detected at any part of the auto setup. Type		RANGE comma	and.		, ,	point in time can b	e obtained u	ising the	
Type	Response						-		
FOCUS e:F002 SYSTEM (FOCUS) VKS e:F004 SYSTEM (AUTO,KEYSTONE) SCRN e:F005 SYSTEM (SCREN.COLOR)		One of the follo			ırned if an error	has been detected	at any part	of the auto	setup.
VKS e:F004 SYSTEM (AUTO KEYSTONE)			_		CUS)				
Description This command is used to execute auto setup.		VKS	e:F004 S	SYSTEM (AU	TO_KEYSTONE)			
This command is used to execute auto setup. (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 ZCONTDRV command and FCONTDRV command.) (2) There are no parameters to be executed together. Execute them separately. (3) It is not possible to execute auto setup in some projector statuses. Type Statuses in which auto setup grannot be executed while "BLANK" is underway. VKS - SCRN Auto setup cannot be executed while "BLANK" is underway. INPUT Auto setup cannot be executed while "BLANK" is underway. INPUT Auto setup cannot be executed if there are no input signals. (4) When automatic screen color correction (SCRN) has been completed successfully, the screen color correction (WB) is set to "ADJUST." Example Setting > AUTOSETEXE FOCUS Acquisition of parameters which can be set > RANGE AUTOSETEXE < "AUTOSETEXE=I, FOCUS, VKS, SCRN, INPUT *Commands are indicated by ">", and responses are indicated by "<". Commands supported		SCRN	e:F005 S	SYSTEM (SC	REEN_COLOR)				
(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 ZCONTDRV command and FCONTDRV command.) (2) There are no parameters to be executed together. Execute them separately. (3) It is not possible to execute auto setup in some projector statuses. Type Statuses in which auto setup cannot be executed Remarks FOCUS Auto setup cannot be executed Refer to the BLANK command. VKS SCRN Auto setup cannot be executed Refer to the BLANK command. INPUT Auto setup cannot be executed if there are no input signals. (4) When automatic screen color correction (SCRN) has been completed successfully, the screen color correction (WB) is set to "ADJUST." Example Setting > AUTOSETEXE FOCUS Auto focusing is executed. < I:OK Acquisition of parameters which can be set > RANGE AUTOSETEXE (-rAUTOSETEXE=I, FOCUS, VKS, SCRN, INPUT *Commands are indicated by ">" and responses are indicated by "<". Commands SX50 SX7 SX60 X700 01.01** 01.01** 01.01**		For all other res	sponses, r	efer to "Erro	or List."				
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) There are no parameters to be executed together. Execute them separately. (3) It is not possible to execute auto setup in some projector statuses. Type Statuses in which auto setup cannot be executed FOCUS Auto setup cannot be executed Refer to the BLANK command. VKS - SCRN Auto setup cannot be executed while "BLANK" is underway. INPUT Auto setup cannot be executed if there are no input signals. (4) When automatic screen color correction (SCRN) has been completed successfully, the screen color correction (WB) is set to "ADJUST." Example Setting Auto focusing is executed. < I:OK Acquisition of parameters which can be set RANGE AUTOSETEXE FOCUS Auto focusing is executed. **Commands are indicated by ">*, and responses are indicated by "<". Commands SX50 SX7 SX60 X700 01.01** 01.01** 01.01** 01.01** 01.01**	Description	This command	is used to	execute aut	o setup.				
SCRN		time. However, a (Refer t (2) There are r	a "busy" re to the ZC no parame	esponse is gi ONTDRV (ters to be ex	ven while the zo command and recuted togethe	oom or focus lens is FCONTDRV corr. Execute them se	being drive mmand.		ic sume
while "BLANK" is underway. command. VKS - SCRN Auto setup cannot be executed while "BLANK" is underway. command. INPUT Auto setup cannot be executed if there are no input signals. (4) When automatic screen color correction (SCRN) has been completed successfully, the screen color correction (WB) is set to "ADJUST." Example Setting > AUTOSETEXE FOCUS Auto focusing is executed. < I:OK Acquisition of parameters which can be set > RANGE AUTOSETEXE < I:AUTOSETEXE FOCUS, VKS, SCRN, INPUT *Commands are indicated by ">", and responses are indicated by "<". Commands supported SX50 SX7 SX60 X700 01.01** 01.01** 01.01** 01.01**		Туре				Remarks			
Auto setup cannot be executed while "BLANK" is underway. INPUT Auto setup cannot be executed if there are no input signals. (4) When automatic screen color correction (SCRN) has been completed successfully, the screen color correction (WB) is set to "ADJUST." Example Setting > AUTOSETEXE FOCUS Auto focusing is executed. < I:OK Acquisition of parameters which can be set > RANGE AUTOSETEXE (CI'AUTOSETEXE) < Commands are indicated by ">", and responses are indicated by "<". Commands supported SX50 SX7 SX60 X700 01.01** 01.01** 01.01** 01.01** 01.01**		FOCUS			nt he executed				
Auto focusing is executed. Auto focusing is executed. Commands supported				e "BLANK"			NK		
(4) When automatic screen color correction (SCRN) has been completed successfully, the screen color correction (WB) is set to "ADJUST." Example Setting			- Auto	o setup cann	ot be executed	command. Refer to the BLA			
Example Setting		SCRN	- Auto while	o setup cann e "BLANK"	ot be executed is underway.	command. Refer to the BLA			
> AUTOSETEXE FOCUS		SCRN	Auto while Auto if th	o setup cann e "BLANK" o setup cann ere are no ir	ot be executed is underway. ot be executed of the executed of the executed opput signals.	command. Refer to the BLA command.	NK	lly the coron	a color
Commands supported Acquisition of parameters which can be set RANGE AUTOSETEXE <r:autosetexe=i, focus,="" input<="" p="" scrn,="" vks,=""> *Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700 01.01** 01.01** 01.01** 01.01** 01.01**</r:autosetexe=i,>		SCRN INPUT (4) When autor	Auto while Auto if th	o setup cann e "BLANK" o setup cann ere are no ir en color cor	ot be executed is underway. ot be executed is underway. ot be executed input signals.	command. Refer to the BLA command.	NK	lly, the scree	n color
> RANGE AUTOSETEXE <pre></pre> <pre></pre>	Example	SCRN INPUT (4) When autor correction Setting	Autowhile Auto if the matic scre (WB) is se	o setup canne "BLANK" o setup cannere are no ir en color coret to "ADJUS	ot be executed is underway. ot be executed is underway. ot be executed input signals. rection (SCRN)	Refer to the BLA command.	NK d successful	lly, the scree	n color
Commands	Example	SCRN INPUT (4) When autor correction Setting > AUTOSE	Autowhile Auto if the matic scre (WB) is se	o setup canne "BLANK" o setup cannere are no ir en color coret to "ADJUS	ot be executed is underway. ot be executed is underway. ot be executed input signals. rection (SCRN)	Refer to the BLA command.	NK d successful	lly, the scree	n color
Commands	Example	SCRN INPUT (4) When autor correction Setting > AUTOSE < I:OK Acquisition of p > RANGE A	Automatic scre (WB) is se	o setup canne "BLANK" o setup cannere are no in en color coret to "ADJUS"	is underway. ot be executed is underway. ot be executed is underway. ot be executed uput signals. rection (SCRN) ST." Au	Refer to the BLA command.	NK d successful	lly, the scree	n color
	Example	SCRN INPUT (4) When autor correction Setting > AUTOSE < I:OK Acquisition of p > RANGE A < r:AUTOSE	Automatic scre (WB) is se	o setup canne "BLANK" o setup cannere are no ir en color const to "ADJUS" CUS s which can be EXE FOCUS, VKS	is underway. ot be executed is underway. ot be executed apple is underway. ot be executed apple is underway. ot be executed apple is underway. Au pe set , SCRN, INPUT	Refer to the BLA command. has been completed to focusing is exec	NK d successful	lly, the scree	n color
When a command is not supported, "e:0002 INVALID_COMMAND" is returned.	Commands	SCRN INPUT (4) When autor correction Setting > AUTOSE < I:OK Acquisition of p > RANGE A < r:AUTOSE *Commands are i SX50	Automatic scre (WB) is se TEXE FOCO Department of the transport of transport of the transport of tra	o setup canne "BLANK" o setup cannere are no ir en color coret to "ADJUS" CUS s which can be EXE FOCUS, VKS	ot be executed is underway. ot be executed is underway. ot be executed in the executed in th	Refer to the BLA command. has been completed to focusing is exec	NK d successful	lly, the scree	n color

Model	Pow	er su	pply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Itelliaiks
SX50		-											-		
SX7	×		×											×	
SX60															
X700															

^{*}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=""></blank>				
Parameter	BLANK parameters				
	Parameter Meaning	nt in time can be obtained	d using th	ne	ID
Response	"i:OK" is returned if the parameter was set proper For all other responses, refer to "Error List."	ly.			
Description	This command is used to set the BLANK function.				
	(1) This command functions only when the project by a menu operation or button operation. However, a "busy" response is given while the (Refer to the ZCONTDRV command (2) Only a black screen is displayed. (3) No input signals and none of the on-screen dis (4) The "display setting," "image adjustment" and is underway. However, the "AUTOSETEXE=FOCUS" and "AREFER TO THE HOWEVER, THE TO THE BLANK function is released in the following a. When the POWER button on the remote on the bush of the mode has been switched from read. Power Off (6) The current BLANK settings can be obtained to For details, refer to the GET command.	e zoom or focus lens is be d and FCONTDRV co splays appear while BLAN d other commands can be AUTOSETEXE=SCRN" co ag situations. ontrol or panel has been own has started emote to local	eing drive ommand IK is under executer ommands	en. d.) erway. d even wh	nile BLANK
Example	Setting > BLANK=ON < i:OK Reference > GET BLANK or ?BLANK 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 ">", and responses are indicated by ">", and responses are indicated by ">".	BLANK is set to ON The current BLANK cated by "<".		reference	ed.
Commands supported	SX50	MMAND" is returned.			

Model	Pow	er su	pply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50															
SX7	×		×											×	
SX60															
X700															

^{*}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 selecti	ion												
Format	INPUT=	<input sele<="" th=""/> <th>ection para</th> <th>meters:II</th> <th>)></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	ection para	meters:II)>									
			·											
Parameter	Input selecti	ion paramet	ters						_					
	Parame	eter Meanin	g		Erro SX50		rted by m							
	D-RG	B D-RGB			5850	SX7	SX60	X700	-					
		31 A-RGB							1					
		32 A-RGB							1					
	COMI								1					
	VIDE								1		ID			
	S-VIDE	O S-Video)						1		10			
		D-VIDEO Digital Video × SCARTRGB SCART(RGB) ×												
	SCARTE													
	RANGE cor For details,	he parameters which can be set at any given point in time can be obtained using the ANGE command. or details, refer to the RANGE command. OK" is returned if the parameter was set properly.												
Response	"i:OK" is reto For all other				operly.									
Description	This control	s the innut s	selection											
Fyample	same tir A "busy' (Refer to -2 This cor -2 This cor -3 When th set usin -4 When th auto set Refer to -5 The cur For deta	me. " response i o the ZCON mmand has del Button 50 Comp 70 INPUT 00 INPUT	when the property is given whill ITDRV common the same further same further. It is used, MINAL common (6, SX60 or and (AUTOSE) SETEXE coran be acquired the GET control (AUTOSE) and the GET control (AUTOSE) is used, MINAL common the CAUTOSE	"A-RGB2 nand. ('e:' X600 is u ETEXE=IN mmand. red using i	m or for FCON the but	COMP"	s is bein comman ted in the comman ted in the comman ted in the cannot AL_OUT can be s	g driver id.) le table be sele ' is retu selected	below. cted if "Crned.) I automa	OUT" has	s been			
Example	> INPUT= < i:OK	:VIDEO			VIE	DEO inpu	ut select	ion						
	> GET INI < g:INPUT Acquisition (> RANGE	INPUT	PUT ers which cal A-RGB1, A				s the inp	J		NADTD(N B			
								, vi	====, 00					
Commands			by ">", and re		are indic	ated by '	`<".	1		ı				
supported	SX50 01.00**	SX7 01.01**	SX60 01.01**	X700 01.01**										
Sapported	01.00	01.01	01.01	01.01						1				
			l	L			<u> </u>			J				

очрро.		O O		ia Otato											
Model	ı	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 ZCONTDRV command and FCONTDRV 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. '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.
Example	For details, refer to the GET commands below. Setting
Lxample	* Commands are indicated by ">", and responses are indicated by "<".
Commands supported	3.11

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×	×			×	×	×	-	-	×		×	
SX7	×		×	×			×	×	×	×	×	×		×	
SX60															
X700															

^{*} 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	DOTS		Mode	Control	Setting	Reference							
Function	Total number of dots adjustment												
Format	DOTS= <number dots:="" number="" of=""></number>												
Parameter	Number of dots												
	The RANGE command can be used to obtain the that time. For details, refer to the RANGE command.	parameter range t	hat can	be set a	at	Number							
	"i:OK" is returned if the parameter was set proper For all other responses, refer to "Error List."	ly.											
Description	1 This designates the total number of dots for one	e horizontal period.											
	-1 It can be executed when the projector is in bot same time. A "busy" response is given while the zoom or (Refer to the ZCONTDRV command and FCC Furthermore, it may not be possible to executed. -2 This command is the same as the menu function of the same as the same as the menu function of the same as the same as the menu function of the same as the same as the same as the menu function of the same as th	focus lens is being DNTDRV command te the command wit tions in the table be ettings] - [Total nur ettings] - [Total nur	g driven d.) th some elow.	dots adj	ignals.								
Example		he total number of	dots is	1650.									
	Reference > GET DOTS or ?DOTS < g:DOTS=1200	his retrieves the to	tal num	ber of do	ots.								
	<pre> < g:DOTS=1200 Obtain settable parameter range (Min, Max) > RANGE DOTS < r:DOTS=N, 0, 4096 Any value from 0 to 4096 can be set for the total dots. *Commands are indicated by ">", and responses are indicated by "<".</pre>												
Commands supported	SX50 SX7 SX60 X700 01.00** 01.01** 01.01** 01.01**	,											
σαρροιτου	01.01 01.01 01.01												

	PP-				ia otato	-										
M	odel	F	owe	er		Input								Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
S	X50	×		×	×			×	×	×	-	-	×		×	
S	SX7	×		×	×			×	×	×	×	×	×		×	
S	X60															
X.	700															

^{*} 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 number="" value:=""></adjustment>											
Parameter	Adjustment value											
	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 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. Model Menu											
Example	> TRACK=25											
	Obtain settable parameter range (Min, Max) > RANGE TRACK < r:TRACK=N, 0, 31 Any value from 0 to 31 can be set for the tracking. * Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50 SX7 SX60 X700											
	5.155											

Model	F	Powe	r					Input					Mo	Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remaiks
SX50	×		×	×			×	×	×	-	-	×		×	
SX7	×		×	×			×	×	×	×	×	×		×	
SX60															
X700															

^{*} 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	3				Mode	Control	Setting	Reference					
Function	Horizontal/V	ertical posi	tion adjustm	ent											
Format			l position: l osition: Nu												
Parameter	Horizontal/v	ertical posit	ions												
	The RANGE that time.				he paramete	r range th	nat car	be set a	at	Number					
Response	"i:OK" is retu For all other				perly.										
Description	This adjusts	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													
		,													
					or focus lens			١.							
	Furtherr	nore, it may	not be pos	sible to exe	cute the com	mand witl	n som	e input si	ignals.						
		del Menu	ie sailie as i	ne menu iu	IIICUOIIS III UIE	e table be	iow.								
	SX				ıl settings] - [l ıl settings] - ['										
	SX SX X7	60 [Display			al settings] - [l al settings] - ['										
			can be use the GET co		e the current	horizonta	l and v	ertical p	osition.						
Example	Setting > HPOS= < i:OK	12			This sets th	e horizon	ital pos	sition to 1	12.						
	Reference > GET VP < g:VPOS	POS or ?VP	OS		This acquire	es the ver	rtical p	osition.							
	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 p	osition.		11.100							
Commands		are indicated SX7	by ">", and re	x700	indicated by "	<".									
supported		01.01**	01.01**	01.01**											
			<u> </u>	<u> </u>					<u> </u>						

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×	×			×	×	×	-	-	×		×	
SX7	×		×	×			×	×	×	×	×	×		×	
SX60															
X700															

^{*} 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 Refe	rence												
Function	Horizontal/Vertical resolution adjustment													
Format	HPIX= <horizontal number="" resolution:=""> VPIX=<horizontal number="" resolution:=""></horizontal></horizontal>													
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.	mber												
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List." This adjusts the porizontal and vertical resolution (number of dots) on the screen													
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 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. Model Menu	е												
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 are indicated by ">", and responses are indicated by "<".													
Commands supported	SX50 SX7 SX60 X700 01.00** 01.01** 01.01** 01.01**													

Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	OFF ON PM D-RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART N								None	Remote	Local	Remains		
SX50	×		×				×	×	×	-	_	×		×	
SX7	×		×				×	×	×	×	×	×		×	
SX60															
X700															

^{*} 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				Me	ode Control	Setting	Reference
	Input signal selection	on						
Format	SEL= <input si<="" th=""/> <th>gnal selection</th> <th>parameter:</th> <th>ID></th> <th></th> <th></th> <th></th> <th></th>	gnal selection	parameter:	ID>				
Parameter	Input signal selection	on narameter						
raiailletei	Parameter Me	-						
	AUTO Aut	-						
	The parameters wh	aich can ha sat a	nt any givon	point in time	can be obta	inad usina th	ho	ID
	RANGE command.		at arry giveri	point in time	can be obta	inea asing ti		
	For details, refer to	the RANGE cor	mmand.					
Response	"i:OK" is returned	•		properly.				
	For all other respor	nses, refer to "E	rror List."					
Description	This selects the inp	ut signal.						
	-1 It can be execu	ited when the pr	oiector is in	both the ren	n ote mode a	nd power-o	n status	at the
	same time.	•	•			•		-
		nse is given whi CONTDRV com			•	ven.		
	Furthermore, it	may not be pos	sible to exe	cute the com	ımand with s	•	gnals.	
	-2 This command-3 This command		•	•	•			
	Model Me							
	SX50 [Dis	splay settings] -	[Input signa	l selection] -	[Auto]			
	SX7	splay settings] -	[Innut signa	l selection] -	[ΔιιτΔ]			
	X700	spiay settingsj	[IIIput signo	rocicollorij	[/tato]			
	-4 The current inp	ut signal can be	acquired u	sing the appl	icable GET o	command.		
	·	er to the GET co	•	9				
	Parameter							
	PAL SECAM	Includes PAL-N	M and PAL-I	N				
	NTSC	Includes NTSC						
	1080i 1035i	Includes 540p	(1080i non-i	nterlaced siç	gnal)			
	720p							
	575p 480p							
	575i	Includes 288p						
	480i LINKNOWN	Includes 240p No-color, 1080			gnal)			
	on to the			can be det	ected			
Example	Setting							
_xample	> SEL=AUTO		This sets t	ne input sign	al selection t	o "AUTO".		
	< i:OK							
	Reference							
	> GET SEL or ?S < g:SEL=575p	BEL	This retriev	es the input	signal.			
	Acquisition of parar > RANGE SEL	meters which ca	in be set					
	< r:SEL=I, AUTO		Only "AUT	O" can be se	et for the inpu	ut signal sele	ection.	
	* Commands are indic	cated by ">" and r	responses are	indicated by	"<".			
Commands	SX50 SX7	7 SX60	X700	aioaioa by	Ţ			
supported	01.00** 01.01	** 01.01**	01.01**		1			
		<u> </u>	1	1	1		I	

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×	×	×	×				-	_	×		×	
SX7	×		×	×	×	×				×	×	×		×	
SX60															
X700															

- * 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.

Command	ACDE	CT						Mada	Control	Cotting	Doforance				
Commands								Mode	Control	Setting	Reference				
Function	Screen sett	ings													
Format	ASPEC	T= <screen< th=""><th>setting par</th><th>rameters:</th><th>ID></th><th></th><th></th><th></th><th></th><th></th><th></th></screen<>	setting par	rameters:	ID>										
Parameter	Screen sett	ing paramet	ers												
	Dorom	otor Moonin	~		Erro	ors suppo	rted by n	nodel							
		eter Meanin	y		SX50	SX7	SX60	X700							
	AUT				4										
	WID	IAL Normal E Wide				_	_	_	1						
	FUL		een						1		ID				
	TRU								j						
	RANGE con For details,	mmand. refer to the	can be set a	mmand.			can be	obtaine	d using t	he					
Response			ne paramet , refer to "Er		et pro	perly.									
Description	This sets th	· ·													
	A "busy (Refer the Further settings -3 This continue settings -4 The GE For det	-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 signals2 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 changed3 This command is the same as the menu functions in the table below. Model Menu													
Example	Setting > ASPEC > i:OK	T=WIDE			Thi	s sets th	ne scree	n size to	WIDE.						
	Reference > GET ASPECT or ?ASPECT This retrieves the screen size. < g:ASPECT=TRUE														
	> RANGE < r:ASPE	E ASPECT CT=I, AUTC	ers which car	, WIDE	scre	een size).	_" or "W	IDE" can	be set a	as the				
Commands	* Commands SX50	sare indicated	by ">", and re	esponses a	re indic	cated by	'<'.			1					
supported	01.00**	01.01**	01.01**	01.01**											

	toa oomina			-											
Model	Parameter		Powe						Input					Mo	de
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local
	AUTO	×		×	×	×	×		×	×	-	-			×
	NORMAL	×		×							-	-			×
SX50	WIDE	×		×							-	-			×
	FULL	×		×				×	×	×	-	-			×
	TRUE	×		×				×	×	×	-	-	×		×
SX7	AUTO	×		×					×	×		×			×
SX60	WIDE	×		×											×
X700	FULL	×		×											×
	TRUE	×		×				×	×	×	×	×	×		×

^{*} 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.

Format	IMAGE= <image age="" mode="" pag<="" page="" setting="" th=""/> <th></th> <th>arameter;</th> <th>ID></th> <th></th> <th></th> <th></th> <th></th>		arameter;	ID>														
	Parameter STANDARD	parameters	arameter:	ID>														
Parameter Ima	Parameter STANDARD																	
rarameter	Parameter STANDARD							ı										
	STANDARD	Meaning		Errore eur	ported by n	nodel	Ī											
		· ·		(50 SX6		X600												
		Standard																
	CINEMA	Cinema		×	×	×												
	SRGB	sRGB																
	ADOBE MOVIE	ADOBE RGB Movie		< ×	×	×		ID										
	MOVIE_PHOTO			<	×	×												
	HOME_CINEMA	Home theater	r >	×		×												
RA Foi	e parameters whic NGE command. details, refer to the	e RANGE comn	nand.			obtained	I using the											
	all other response			property														
Description Thi	s sets the image o	uality																
-1	It can be execute same time.	d when the proje	ector is in b	ooth the re	emote mo	de and p	oower-on status	at the										
	A "busy" respons	e is given while	the zoom	or focus le	ns is bein	g driven.												
-2	(Refer to the ZCC The final settings					,	r is turned off											
	This command is	•				•	i is turried oir.											
	Model Menu																	
	SX50 [[Image adjustments] - [Image mode settings] SX7																	
	SX60 [Image adjustments] - [Image mode settings] X700																	
-4	-4 Changing the setting may modify the following setting values.																	
	Setting Commands related to the Remark																	
		etting	IDDI	settings	<u> </u>		Remarks											
	Brightness Contrast		BRI															
	Sharpness		SHARP															
	Gamma adjus Dynamic gam		GAMMA DGAMN															
	Progressive	ima	PROG	VIA														
		correction/RGB	WB/ WE	BRGB		For the	SX50											
	adjustment va Saturation/hu		SAT/ H	UE														
		or adjustment	ACADJ			For the												
	Memory color		MEMCA	ADJ AIN/RGBC	EECET		SX6, SX60 or X											
	6-axis color a	set adjustments djust	6AXR ~		u.LOE1	roi me	SX6, SX60 or X	.000										
-5	-5 The current image quality can be acquired using the applicable GET command. For details, refer to the GET command.																	
Fyample So	Setting > IMAGE=PRESENTATION This sets the image mode to "Presentation." < i:OK																	
>	Reference > GET IMAGE or ?IMAGE This references the current image mode. < g:IMAGE=CINEMA																	
Re: >	GET IMAGE or ? g:IMAGE=CINEM	IA				Acquisition of parameters which can be set > RANGE IMAG < r:IMAGE=I, STANDARD, CINEMA, SRGB "STANDARD," "CINEMA" or "SRGB" can be set as the image mode.												
Re > <	GET IMAGE or ? g:IMAGE=CINEM quisition of parame RANGE IMAG	IA eters which can b	A, SRGB			NEMA" o	r "SRGB" can b	e set as										
Re: > < Acc	GET IMAGE or ? g:IMAGE=CINEM quisition of parame RANGE IMAG r:IMAGE=I, STAM	IA sters which can b IDARD, CINEM ed by ">", and res	A, SRGB ponses are	the image	e mode.	NEMA" o	r "SRGB" can b	e set as										
Re > Acc > Commands	GET IMAGE or ? g:IMAGE=CINEM quisition of parame RANGE IMAG r:IMAGE=I, STAM	IA sters which can b	A, SRGB	the image	e mode.	NEMA" o	r "SRGB" can b	e set as										

- пр															
Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	BRI	ode Control Setting	Reference												
Function	Brightness setting														
Format	t BRI= <brightness number="" setting:=""></brightness>														
Parameter	r Brightness setting (-20 to 20)														
	The RANGE command can be used to obtain the parameter range that that time. For details, refer to the RANGE command.	can be set at	Number												
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."		1												
Description	This sets the screen brightness.														
	same time. A "busy" response is given while the zoom or focus lens is being dri (Refer to the ZCONTDRV command and FCONTDRV command.)	A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) This command is the same as the menu functions in the table below. Model [Menu SX50 [Image adjustments] - [Brightness] SX7													
	SX50 [Image adjustments] - [Brightness]														
Evample	, in the second														
Example	> BRI=-10 This sets the brightness < i:OK	to -10.													
	Reference > GET BRI or ?BRI < g:BRI=-10 This retrieves the brightness.														
	Obtain settable parameter range (Min, Max) > RANGE BRI < r:BRI=N, -20, 20 Any value from -20 to 20 can be set for the brightness. Commands are indicated by ">", and responses are indicated by "<".														
Commands															
supported	01.00** 01.01** 01.01**														

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIliains
SX50	×		×							_	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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						Mod	le Contr	el Setting	Reference					
Function	Contrast setting														
Format	CONT= <cont< th=""><th>trast s</th><th>setting: Nur</th><th>nber></th><th></th><th></th><th></th><th></th><th></th><th></th></cont<>	trast s	setting: Nur	nber>											
Parameter	Contrast setting (-	-20 to	20)												
	The RANGE comments that time. For details, refer to				ne paramete	r rang	ge that c	an be se	t at	Number					
Response	"i:OK" is returned For all other respo		•		erly.										
Description	This sets the scre	en cor	ntrast.												
	same time. A "busy" responsible (Refer to the 2) -2 This command	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.) This command is the same as the menu functions in the table below. Model Menu													
	Model Menu SX50 [Image adjustments] - [Contrast] SX7 SX60 X700 [Image adjustments] - [Contrast] -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, re	fer to	the GET cor	mmand.											
Example	Setting > CONT=3 < i:OK				This sets th	e con	trast to	+3.							
	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	SX50 SX	K7	SX60	X700	mulcated by	<u> </u>									
supported	01.00** 01.0	01**	01.01**	01.01**											

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	IXCIIIAINS
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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	SHAR	P					Mode	Control	Setting	Reference				
Function	Sharpness	setting				-								
Format	SHARP	= <sharpne< th=""><th>ss setting:</th><th>Number></th><th></th><th></th><th></th><th></th><th></th><th></th></sharpne<>	ss setting:	Number>										
Parameter	Sharpness	setting (-4 to	0 4)											
	The RANGE that time. For details,				he paramete	er range t	hat can	be set a	at	Number				
Response	"i:OK" is retourned in the retourned in		•		erly.									
Description	This sets the	e screen sh	arpness.											
	-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. Model Menu													
Example					This sets th	ne contra	st to 3.							
	<pre>< i:OK Reference > GET SHARP or ?SHARP</pre>													
	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	SX50	SX7	SX60	X700	indicated by									
supported	01.00**	01.01**	01.01**	01.01**										

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 adjustme	ent				-							
Format	GAMMA= <g< th=""><th>amma</th><th>adjustmen</th><th>t: Number></th><th>•</th><th></th><th></th><th></th><th></th><th></th></g<>	amma	adjustmen	t: Number>	•								
Parameter	Gamma adjustme	ent (-4	to 4)										
	The RANGE come that time. For details, refer t				ne paramete	r range th	nat can	be set a	at	Number			
Response	"i:OK" is returned For all other respo				erly.								
Description	This performs the	Gamr	na adjustme	ent.									
	SX7	onse is ZCON d is the mage a mage a curren amma	s given while TDRV comme e same as the adjustments adjustments ttly selected adjustment	e the zoom nand and Fi he menu fui] - [Gamma] - [Gamma input signal can be acq	or focus lens CONTDRV c nctions in the	s is being command e table be	driven l.) elow.			at the			
Example	Setting > GAMMA=-1 < i:OK				This sets th	e gamma	a correc	ction to -	-1.				
	Reference > GET GAMMA < g:GAMMA=3	or ?G	AMMA		This retrieve	es the ga	mma c	orrectior	٦.				
	> RANGE GAM < r:GAMMA=N,	very g.GANNINA=3 very g.GANNINA=3 very g.GANNINA=3 very g.GANNINA=3 very g.GANNINA=3 Notation settable parameter range (Min, Max) Any value from -4 to 4 can be set for the gamma. Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50 SX	X7	SX60	X700	,								
supported	01.00** 01.0	01**	01.01**	01.01**									

				ia otato											
Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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="" id="" parameter:="" setting=""></dynamic>												
	Dynamic gamma setting parameters Parameter Meaning 0 OFF 1 ON 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.	ID											
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."												
	The command is used to set the dynamic gamma function 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. 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. Model Menu												
Example	> DGAMMA=1												
Commands supported	* Commands are indicated by ">", and responses are indicated by "<". SX50												

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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			
	Progressive set	tting					23.11.01					
Format	PROG= <pr< th=""><th>ogressive conversion set</th><th>ting par</th><th>ameters</th><th>::ID></th><th></th><th></th><th></th><th></th></pr<>	ogressive conversion set	ting par	ameters	::ID>							
Parameter		nversion setting parameters		re elinno	rted by m	nodel	Ī					
	Parameter	Meaning	SX50	SX7	SX60	X700						
	1	OFF ON										
	2	AUTO	×						ID			
	The parameters	s which can be set at any gi	ven poin	t in time	can be	obtained	d using th	ne				
		er to the RANGE command.										
Response		ed if the parameter was set										
	For all other res	sponses, refer to "Error List.	"									
Description	This command	is used to set the progressiv	e conve	rsion pr	ocessino	to ON	or OFF.					
		ecuted when the projector i	s in both	the rem	ote mo	de and _I	oower-o	n status	at the			
	same time. A "busy" re:	sponse is given while the zo	om or fo	cus lens	s is bein	g driven	<u>-</u>					
	,	e ZCONTDRV command ar e, it may not be possible to				,	e input si	onals				
		and is the same as the men						9				
	Model SX50	Menu [Image adjustments] - [Pro	ressive									
	SX7	. , , , , , , , , , , , , , , , , , , ,										
	X700	[Display settings] - [Progres	ssivej									
	-3 This sets th	e currently selected input si	anal and	limage	mode.							
	-4 The menu o	display statuses are as listed	d in the t	-		odel.						
	Model	Menu display statuses, etc. If the input signals are "Cor		" signals	of anv	of the fo	llowina t	vpes. th	e			
	SX50	signals cannot be processe progressive conversion set	ed even v	when "O	N" has b	oeen sel	ected as					
		·1080i ·720p ·480p	·1035i	·575p								
	SX7	When signals from a progre conversion setting can be s										
	SX60 X700	If the input signals are "Corsignals cannot be processe	•	•	-		•					
		progressive conversion set the menu will change. How	ting to po	erform p	rogressi	ve conv	ersion, b					
		·1080i ·720p ·480p			viii be gi	ayeu ou						
	(Refere	nce)										
		80i · 720p · 480p With th 35i · 575p referen	e SX50, cing and									
		value can be acquired usin			•							
	acquired va	lues is given in the table be	low.	riioabic	J_1 00		THE SIG		. or uio			
		refer to the GET command.										
		Significance of acquired va Current progressive conver		cessing	status (1: conve	rsion un	derway.	, 0:			
	SX50	no conversion)										
	SX60	Setting currently establishe	d for pro	gressive	e conver	sion						
	X700											
Example	Setting > PROG=0		This se	ts the pr	ogressiv	e conve	ersion se	tting to	OFF.			
	> PROG=0 This sets the progressive conversion setting to OFF. < i:OK											
	Reference	2 2DDOC	Tb:	au il == = -1					ooin <i>a</i>			
	> GET PROG < g:PROG=1	or?PROG	This ac status.	quires th	ne progr	essive c	onversio	n proce	ssing			
	Acquisition of n	arameters which can be set										
	> RANGE PR	ROG		or "0" -	n ha - :	Jooto -l -	o tha =::	arca=!	10			
	< r:PROG=I,	U, I, Z		or "2" ca sion sett		nected a	s the pro	gressiv	E			
	* Commands are	indicated by ">", and responses	s are indic	ated by "	<".							

Commands	SX50	SX7	SX60	X700		
supported	01.00**	01.01**	01.01**	01.01**		

Model		owe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×	×	×	×				-	-	×		×	
SX7	×		×	×	×	×				×	×	×		×	
SX60															
X700															

^{*} 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.

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commando	Mode Coatrol Setting Bo	oforonoo
Commands		нетепсе
Function	1 Screen color correction	
Format	t WB= <screen color="" correction="" id="" parameters:=""></screen>	
Parameter	r Screen color correction parameters	
	Parameter Meaning	
	NORMAL Standard	
	GREENBOARC Blackboard	ın
	ADJUST Adjust	ID
	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	e "i:OK" is returned if the parameter was set properly.	
	For all other responses, refer to "Error List."	
Description	The screen color correction is set to "Normal", "Blackboard", or "Adjust".	
	-1 It can be executed when the projector is in both the remote mode and power-on status at t	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.	
	Model Menu	
	SX50 [Image adjustments] - [Screen color correction]	
	SX7	
	SX60 [Display settings] - [Screen color correction]	
	A MILLIAND HATTILL AND A STATE OF THE STATE	
	-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 syst -5 The current screen color correction can be acquired using the applicable GET command.	tem.
	For details, refer to the GET command.	
Example	e Control	
_xample	> WB=NORMAL This sets the screen color correction to "Normal	ıl".
	< i:OK	
	Reference	
	> GET WB or ?WB This retrieves the screen color correction.	
	< g:WB=GREENBOARD	
	Acquisition of parameters which can be set	
	> RANGE WB	
	< r:WB=I,NORMAL,GREENBOARD,ADJUST "NORMAL," "GREENBOARD" or "ADJUST" can set for the screen color correction.	n be
Comment	* Commands are indicated by ">", and responses are indicated by "<".	
Commands supported		
11	VIII VIII VIII VIII VIII VIII VIII VII	

			-	ia otato											
Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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	WBR	3B				Mo	ode Control	Setting	Reference				
Function	Screen cold	or correction	(ADJUST)			<u> </u>		•					
Format		B= <r adjus<br="">nent value:</r>		e: Number>	< G adjus	tment value	e: Number>	<b< th=""><th></th></b<>					
Parameter	RGB setting	g value (Eac	h value –20	to 20)									
	that time.	E command refer to the			he paramete	r range that	can be set a	at	Number				
Response		returned after responses											
Description	This sets th	ie RGB adju	stment value	es of the sci	een color co	rrection.							
	same ti A "busy (Refer to -2 Although correcti -3 This co Model of the correcti -3 With th -5 When to When to -6 The GE For det	me. " response is to the ZCON the thick setting on comman mmand is the thick setting on the thick setting on the thick setting on the thick setting on the thick setting sett	is given whill ITDRV comr g is enabled d (WB), it cale same as t adjustments y settings] - , the R, G, a (50 is used, K6, SX60 or d can be use	e the zoom mand and F when Adjus in be made he menu fu S] - [Screen [Screen colo and B values the current X600 is used d to retrieve	or focus lens CONTDRV of stment (ADJI independent nctions in the color correct or correction s can be set if y selected in ind, a set of s the current	s is being dr command.) UST) is sele tly. e table below ion] - [Adjustme in a single o aput signal a settings is e	truents] ents] peration. nd image mostablished in	screen c	olor				
Example	> WBRG < i:OK Reference > GET W	> WBRGB=10, 11, 12 This sets R to 10, G to 11, and B to 12. < i:OK											
	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		SX7 01.01**	SX60 01.01**	X700 01.01**									
]					

Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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					Me	ode Contro	Setting	Reference				
Function	Color satura	ation setting											
Format	SAT=<	Color satur	ation value	setting: No	ımber>								
Parameter	Saturation	setting (-20 t	to 20)										
	that time.	E command refer to the			he paramete	er range that	can be set	at	Number				
Response		turned if the r responses,	•		perly.								
Description	This sets th	e screen co	lor saturatio	n.									
	same ti A "busy (Refer t Further -2 This co Mo S S S S T -3 This se -4 The GE For det	me. " response i to the ZCON more, it may mmand is the odel Menu (50 [Image X7] (60 [Image 700]	is given whill ITDRV common to be possible same as to adjustments adjustments adjustments and the selected it can be use	le the zoom mand and F sible to execute the menu fu s] - [Saturati s] - [Color action and the signal input signal and to retrieve	or focus len CONTDRV (cute the com nctions in the on] djustments]	mand with se table below	ven. ome input s		at the				
Example	Setting > SAT=-1 < i:OK Reference	10			This sets th	ne color satu	ration to -10	0.					
		AT or ?SAT :1			This retriev	res the color	saturation.						
	> RANGE < r:SAT=	< g:SAT=1 btain settable parameter range (Min, Max) > RANGE SAT < r:SAT=N,-20,20 Any value from -20 to 20 can be set for the saturation. Commands are indicated by ">", and responses are indicated by "<".											
Commands supported		SX7 01.01**	SX60 01.01**	X700 01.01**				-					
		•	•		1		ı	_					

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×		×	×	×	×				-	_			×	
SX7	×		×	×	×	×				×	×			×	
SX60															
X700															

^{*} 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.

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Format HUE= <hue number="" setting="" value:=""> 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 ZCONTDRV command and FCONTDRV command.) Furthermore, it may not be possible to execute the command with some input signals2 This command is the same as the menu functions in the table below. Model Menu</hue>
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. 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 ZCONTDRV command and FCONTDRV command.) Furthermore, it may not be possible to execute the command with some input signals2 This command is the same as the menu functions in the table below. Model Menu
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 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 ZCONTDRV command and FCONTDRV command.) Furthermore, it may not be possible to execute the command with some input signals2 This command is the same as the menu functions in the table below. Model Menu
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 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 ZCONTDRV command and FCONTDRV command.) Furthermore, it may not be possible to execute the command with some input signals2 This command is the same as the menu functions in the table below. Model Menu
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 ZCONTDRV command and FCONTDRV command.) Furthermore, it may not be possible to execute the command with some input signals2 This command is the same as the menu functions in the table below. Model Menu
-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 signals2 This command is the same as the menu functions in the table below. Model Menu
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. Model Menu
 -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.
Example Setting > HUE=8 < i:OK This sets the hue to +8.
Reference > GET HUE or ?HUE < g:HUE=1 This retrieves the hue.
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 SX50 SX7 SX60 X700
supported 01.00** 01.01** 01.01**

Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50			×	×	×	×		_	-					.,	
3/30	^		^			^	-			_	_	×		×	
SX7								-	-						
SX60	×		×	×	×	×				×	×			×	
X700							_					×			

^{*} 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.

^{* &}quot;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 gair<="" th=""><th>setting:Numb</th><th>er> <g gair<="" th=""><th>setting:Num</th><th>nber> <b ga<="" th=""><th>ain settin</th><th>g:Numbe</th><th>91></th></th></g></th></r>	setting:Numb	er> <g gair<="" th=""><th>setting:Num</th><th>nber> <b ga<="" th=""><th>ain settin</th><th>g:Numbe</th><th>91></th></th></g>	setting:Num	nber> <b ga<="" th=""><th>ain settin</th><th>g:Numbe</th><th>91></th>	ain settin	g:Numbe	91>						
Parameter	RGB gain settings (fro	m -20 to 20 fo	r each value)											
	The RANGE command For details, refer to the			oarameter rar	nge that can	be set a	t that tim	e. Number						
Response	"i:OK" is returned if th			rly.										
	For all other responses	s, refer to " E r	ror List."											
Description	This command is used	This command is used to adjust the gain of the R, G and B colors.												
	(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 ZCONTDRV command and FCONTDRV command.) (2) This command functions in the same way as when "Image adjustments" - "Color adjustments" - "Red/green/blue gain" are selected on the menu.													
	(4) The current RGB	(3) This sets the currently selected input signal and image mode.(4) The current RGB gain values can be obtained using the GET command.												
	For details, refer t	o the GET CO	mmand.											
Example	-	1 40		TI - D!-!		2 1	44)						
	> RGBGAIN=10, 1 ⁻¹ < i:OK	1, 12		The R gain i	s set to 10, 0	gain to	11 and E	gain to 12.						
	Reference													
	> GET RGBGAIN			The RGB ga	in values are	obtaine	d.							
	< g:RGBGAIN=-10	, 0, 19												
	Obtain settable parame	• ,	, Max)											
	> RANGE RGBGAIN < 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. *Commands are indicated by ">", and responses are indicated by "<".													
Commands	SX50 SX7	SX60	X700	loated by < .										
supported	01.00** 01.01*	* 01.01**	01.01**											
	× When a command is not s		<u> </u>	<u> </u>	L]								

	PPOIL	~ ~	•		Otatoo											
M	lodel	Pow	er su	ıpply					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
S	X50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S	SX7	×		×											×	
S	X60															
X	(700															

^{*}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	RGBOI	FFSET					Mode	Control Se	etting Reference					
Function	RGB offset a	adjustment												
Format	RGBOFI Number:		set setting:	Number> <	G offset settir	ng:Number>	<b offs<="" th=""><th>et setting:</th><th></th>	et setting:						
Parameter	RGB offset s	settings (-20	to 20 for ea	ch value)										
		command ca efer to the F			parameter rar	nge that can	be set at	that time.	Number					
Response	"i:OK" is ret For all other	urned if the presponses, r			erly.				•					
Description	This comma	This command is used to adjust the offset of the R, G and B colors. (1) It can be executed when the projector is in both the remote mode and power-on status at the same												
	time. However (Refe (2) This con "Red/gr (3) This set (4) The curr For deta	r, a "busy" re er to the ZC mmand functi een/blue offs s the current	esponse is gi ONTDRV ons in the sa set" are seld ly selected is	iven while the command ame way as ected on the input signal an be obtain	ne zoom or foo and FCONT when "Image:	cus lens is be TDRV com adjustments' de.	· eing drive mand. ' - "Colo	n.)						
Example	•	FFSET=10, 1	1, 12	Th	e R offset is s	set to 10, G o	offset to	11 and B of	fset to 12.					
		GBOFFSET OFFSET=-10		SET Th	e RGB offset	values are ol	otained.							
		ble paramete E RGBOFFS	• •	, Max)										
	< 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.													
					dicated by "<".		1							
Commands	SX50	SX7	SX60	X700										
supported	01.00** ×	01.01**	01.01**	01.01**										
		and is not sun	oorted "e-000	2 ΙΝΙ/ΔΙ Ι <u>Γ</u> ι Ο	DMMAND" is re	turned	l							

	PPOIL	~ ~	•		Otatoo											
M	lodel	Pow	er su	ıpply					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
S	X50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S	SX7	×		×											×	
S	X60															
X	(700															

^{*}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 Referen	nce
Function	Advanced color adjustment	
Format	ACADJUST= <advanced adjustment="" color="" parameter;id=""></advanced>	
Parameter	Advanced color adjustment parameters Parameter Meaning NOCORRECT No adjustment MEM_L Low memory color adjustment MEM_M Medium memory color adjustment MEM_H High memory color adjustment GAX G-axis adjustment G-axis adjustment MEM_H For a 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	The advanced color correction method is set by selecting from "No correction", "Low to High memory color correction", and "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. 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.	t
Example	Control ACADJUST=MEM_M The color correction is set to "Medium memory color adjustment". In color correction is set to "Medium memory color adjustment". In color correction is set to "Medium memory color adjustment". This retrieves the color correction method. In color correction method. This retrieves the color correction method. This retrieves the color correction method. This retrieves the color correction method. "NO CORRECT," "MEM_L," "MEM_M," "MEM_H" or "6AX" can be set as the color correction method. Commands are indicated by ">", and responses are indicated by "<".	
Commands supported	SX50	

Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×		×	×	×	×				-	_			×	
SX7	_	-	-	-	-	-	1	-	-	-	-	_	-	-	
SX60															
X700															

^{*} 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 adjustment="" color="" parameter:id=""></memory>												
Parameter	Memory color adjustment parameters												
	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 RANGE command. For details, refer to the RANGE command.	ID an be obtained using the											
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 (ME the memory color adjustment setting. (1) It can be executed when the projector is in both the remo time. However, a "busy" response is given while the zoom or fo (Refer to the ZCONTDRV command and FCON (2) This command functions in the same way as when "Image adjustment" are selected on the menu. (3) This sets the currently selected input signal and image model. The current memory color adjustment setting can be obtated for details, refer to the GET command.	ote mode and power-on status at the same occus lens is being driven. TDRV command.) adjustments" - "Memory color ode.											
Example	Control > MEMCADJ=MEM_M < i:OK Reference > GET MEMCADJ or ?MEMCADJ < g:MEMCADJ=MEM_M 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												
Commands supported	or high (MEM_H) can be set for the memory color adjustment. *Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700 01.00** 01.01** 01.01** 01.01** x When a command is not supported. "e:0002 INVALID COMMAND" is returned.												

Model								Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	•	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 a	djustment par	ameter:ID>									
Parameter												
	OFF This so The parameters which of RANGE command. For details, refer to the	ets the 6-axis ets the 6-axis can be set at a	adjustment t any given poi mmand.	o OFF.	n be obtained	I using th	e	ID				
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."											
Description	(1) It can be executed time. However, a "busy" (Refer to the Z (2) In the case of "6-a Y "6-axis correctic (3) This command func selected on the me (4) This sets the curre (5) The current 6-axis For details, refer to	when the proj response is gi CONTDRV xis adjustmen n R to Y hue/ stions in the sa nu. ntly selected i adjustment se	ector is in bo even while the command a t," set the hu color saturat ame way as w input signal a etting can be	e zoom or foc and FCONT le and color s ion setting" (when "Image and and image modern	e mode and tus lens is be FDRV compaturation of commands. adjustments'	eing driver mand. each axis	n.) s using t is adjust	he 6AXR to				
Example	Control > 6AXADJ=ON < i:OK Reference > GET 6AXADJ or ?6AXADJ < g:6AXADJ=ON The 6-axis adjustment is set to ON. The 6-axis adjustment on or OFF setting is obtained.											
	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	\$X50		X700 01.01** 2 INVALID_CO	MMAND" is re	turned.							

Model	Pow	er su	ipply					Input						de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Itelliaiks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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	6AXR-Y Mode Control Setting	Reference									
Function	6-axis correction R-Y hue/saturation settings										
Format	6AXR= <r hue:="" number=""> <r number="" saturation:=""> 6AXG=<g hue:="" number=""> <g number="" saturation:=""> 6AXB=<b hue:="" number=""> <b number="" saturation:=""> 6AXC=<c hue:="" number=""> <c number="" saturation:=""> 6AXM=<m hue:="" number=""> <m number="" saturation:=""> 6AXY=<y hue:="" number=""> <y number="" saturation:=""></y></y></m></m></c></c></g></g></r></r>										
Parameter	Setting values for hue and color saturation (–20 to 20) <a "error="" all="" for="" href="mailto:</th><th>Number</th></tr><tr><th>Response</th><th>" i:ok"="" if="" is="" list."<="" other="" parameter="" properly.="" refer="" responses,="" returned="" set="" th="" the="" to="" was=""><th></th>										
Description	This sets the 6-axis correction of the hue and color saturation for R to Y. -1 It can be executed when the projector is in both the remote mode and power-on status a 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 These commands take effect when 6-axis adjustment (6AX) has been selected by the advanced color adjustment command (ACADJUST) or when they have been set to valid the 6-axis adjustment command (6AXADJ), and they can be set separately. -3 This command is the same as the menu functions in the table below. Model Menu	using									
Example	Setting > 6AXR=-8, 5 The R hue is set to -8, and the color saturation is set to 5. < i:OK Reference > GET 6AXR or ?6AXR < g:6AXR=12, -8 Obtain settable parameter range (Min, Max) > RANGE 6AXC < r:6AXC=N,-20,20,-20,20 Any value from -20 to 20 can be set for the hue and saturation of the C (cyan) color.										
Commands supported											

Model	F	owe	r		Input									Mode		
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks	
SX50	×		×							-	_			×		
SX7	×		×											×		
SX60																
X700																

^{*} If a command cannot be supported, "INVALID_MODE" or "NOT_POWER_SUPPLIED" is returned as an error response.

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	LAMP Mode Control Setting	Reference							
Function	Lamp output setting								
Format	LAMP= <lamp output="" parameters:id="" setting=""></lamp>								
Parameter	Lamp output setting parameters Parameter Meaning NORMAL Normal SILENT Silent cooling The parameters which can be set at any given point in time can be obtained using the RANGE command.	ID							
Response	For details, refer to the RANGE command. "i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."								
	This command is used to set the light quantity of the lamp to "NORMAL" or "SILENT" (reduction quantity appropriate for silent cooling). -1 It can be executed when the projector is in both the remote mode and power-on status 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. Model Menu	Č							
Example	Setting > LAMP=NORMAL The lamp output is set to "NORMAL". < i:OK Reference > GET LAMP or ?LAMP This retrieves the lamp output. < g:LAMP=SILENT Acquisition of parameters which can be set > RANGE LAMP < r:LAMP=I, NORMAL, SILENT "NORMAL" or "SILENT" can be set for the lamp output.								
Commands supported									

Model	F	owe	r					Input					Мо	Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIliains
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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.

	RESET Mode Control Setting	Reference
Function	Reset	
Format	RESET <reset parameters;id=""></reset>	
Parameter	Reset parameters	
	Parameter Meaning	
	LAMPTIME Lamp on time reset IMAGE Current image adjustment reset	ID
	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 respons ("i:OK") has been returned is indeterminate.	se
	For all other responses, refer to "Error List."	
Description	This resets the projector settings.	
2000		
	-1 It can be executed when the projector is in both the remote mode and power-on status same time.	at the
	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.	
	Reset of lamp on time	
	(a) The counter indicating the lamp replacement period is reset.	
	(b) This command is identical to the Reset function under Lamp counter in the Syste settings menu.	em
	(c) Execute this command after replacing the lamp.	
	Current image adjustment reset	
	(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	7
	adjustment values are optimized for the signal.	•
	Reset of system settings	
	(a) The following items are initialized.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 se function.	mingsj
	Factory settings	
	(a) The following items are initialized.	
	 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 (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 res	
	(c) 'NO_SIGNAL' may be returned as the response to the command after 'Current image adjustment reset' or 'System initial setting' has been executed.	je
	,	
Example	Control > RESET_LAMPTIME This resets the lamp on time.	
	< i:OK	
	* Commands are indicated by "\" and respected are indicated by " "	
Commands	* Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700	
supported		

Model		owe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 distortion="" keystone="" number="" value:=""> HKS=<horizontal distortion="" keystone="" number="" value:=""></horizontal></vertical>									
Parameter	Vertical/horizontal keystone distortion values									
	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.									
	 -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 pa -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 -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	* Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700									
supported	01.00** 01.01** 01.01** 01.01**									

Model	F	Powe	r					Input			Mo	de	Remarks		
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×							-	_	×		×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 level:="" number="" volume=""></audio>									
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.									
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."									
Description	This adjusts the volume.									
	-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. Model Button SX50 VOL+' and 'VOL-' on the remote control SX7 SX60 VOL' on the remote control X700 VOL' on the remote control X700 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.									
Example	> AVOL=18 This sets the volume to 18. < i:OK Reference > GET AVOL or ?AVOL This retrieves the volume.									
	< g:AVOL=18 Obtain settable parameter range (Min, Max) > RANGE AVOL < r:AVOL=N,0,20 Any value from 0 to 20 can be set for the volume level. * Commands are indicated by ">", and responses are indicated by "<".									
Commands supported	SX50 SX7 SX60 X700									

_`	Juppoi	icu i	JUII	iiiiai	iu State	3										
	Model	Е	owe	r					Input			Mo	de	Remarks		
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
	SX50	×		×							-	-			×	
	SX7	×		×											×	
	SX60															
	X700															

^{*} 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="" id="" parameter:=""></mute>									
Parameter	Mute control parameter									
	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.									
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 sound output muting 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. 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=I, ON, OFF "ON" or "OFF" can be set for muting control.									
Commands	* Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700									
supported	5.00									

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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				Me	ode Control	Setting	Reference				
Function	BEEP sound setting											
Format	BVOL= <beep so<="" th=""><th>und setting:</th><th>Number></th><th></th><th></th><th></th><th></th><th></th></beep>	und setting:	Number>									
Parameter	Beep sound setting											
	1 BEEP The parameters which	sound mute sound outpu		point in time	can be obta	ined using th	he	ID				
	RANGE command. For details, refer to the	e RANGE cor	nmand.									
Response	Fig. 1. Section 1. Sec											
Description	This sets the BEEP so -1 It can be executed same time. A "busy" response (Refer to the ZCO -2 This command is -3 The beep sound of sound output) has -4 The current beep For details, refer the	when the property is given while NTDRV commitment to the commitment of the commitmen	e the zoom mand and Fo e Beep func en while the status can b	or focus lens CONTDRV of tion in the Si sound is mu	s is being dri command.) ystem settin ted, but it wi	iven. gs menu. ill not sound	even if (beep				
Example	Setting > BVOL=0 < i:OK			This mutes	the BEEP s	ound.						
	Reference > GET BVOL or ?BVOL < g:BVOL=1 This retrieves the BEEP sound output state.											
	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. * Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50 SX7 01.00** 01.01**	SX60 01.01**	X700 01.01**									

Model	F	Powe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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	IMAGE	FLIP					Me	ode (Control	Setting	Referen			
Function	Flip display													
Format	IMAGEF	LIP= <lma< td=""><td>ge flip settii</td><td>ng parame</td><td>ters :ID:</td><td>></td><td></td><td></td><td></td><td></td><td></td></lma<>	ge flip settii	ng parame	ters :ID:	>								
Parameter	Image flip se	etting parar	neters											
	Par	ameter	Meani	na	-	Remarks								
		ONE	None	ng	יו	Cernains								
		ILING	Ceiling	Eli	p horizont	ally		-						
	_	EAR	Rear		p verticall			-						
		CEILING	Rear ceiling		p horizont	,	vertica	lly			ID			
	The parame RANGE com For details, r	nmand.		, 0	point in ti	me can t	e obta	ined	using tl	he				
Response	"i:OK" is retu For all other				perly.									
Description	This comma	nd is used	to flip the sc	reen displa	y in variou	ıs ways	vertica	lly or	horizo	ntally).				
	same tin A "busy" (Refer to -2 This con SX: SX: SX X70 -3 When th VKS:0)4 The curr	response the ZCON mand is the del Menu fine [Displate] (Displate) e display is ent flip disp	when the pro- is given whil ITDRV comme same as t y settings] - y settings] - is flipped, the olay status c the GET con	e the zoom nand and F he menu fu Flip display "Flip display "keystone an be acqu	or focus I	dens is be	eing dri and.) e below	ven. /. tialize	ed (set	to HKS				
Example	Setting > IMAGEF < i:OK	LIP=REAF				This disp				ckwards	(flip			
	• •													
		> GET IMAGEFLIP or ?IMAGEFLIP This retrieves the flip display state.												
	> RANGE < r:IMAGER	IMAGEFLI FLIP=I,NON	P E,CEILING,RI	EAR,REAR_		CEILING display s	i" can b							
O	> RANGE < r:IMAGEF	IMAGEFLI FLIP=I,NON are indicated	P E,CEILING,RI I by ">", and re	EAR,REAR_		CEILING display s	i" can b							
Commands supported	> RANGE < r:IMAGEF * Commands a SX50	IMAGEFLI FLIP=I,NON	P E,CEILING,RI	EAR,REAR_		CEILING display s	i" can b							

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commondo	DNANA						lada Caret	Catting	Deference
Commands						 	iode Contr	Setting	Reference
Function	Power mana	agement							
Format	PMM=<	Power mar	nagement s	etting para	meters:ID>				
Parameter	Power mana	agement se	tting parame	eters					
		ameter	Meani	ng					
		OFF ANDBY	OFF Standby mo	odo					
		XIT	Exit mode	oue					ID
									10
	The parame		can be set a	t any given	point in time	can be obt	ained using	g the	
	For details,		RANGE con	nmand.					
Response	"i:OK" is retu				erly.				
	For all other	responses,	, reter to "Er	ror List."					
Description	This sets Po	wer manag	ement mode	Э.					
	-1 It can be same tir		when the pro	ojector is in	both the rem	ote mode	and power	-on status	at the
			is given whil	e the zoom	or focus lens	s is being d	riven.		
	(Refer to	the ZCON	ITDRV comr	mand and F	CONTDRV o	command.)			
	-2 This cor	nmand is th	e same as t	he menu fui	nctions in the	e table belo	W.		
		del Menu		(D.					
	SX		n settings] -	[Power man	agement mo	odesj			
			n settings] -	[Power man	agement mo	odes]			
	X7	00							
	-2 With the	SX6. SX60	or X600. pc	ower manac	ement cann	ot be set to	OFF if ON	l has been	
	selected	as the dire	ct power-on	setting (DP	ON=ON). ("e	e:1005 DIR	ECT_POW	ER_ON" i	s
	-3 The proj	ector behav	ves as follow	s with the p	ower manag	gement sett	ing and in t	the remote	mode.
	Mod	del Projecto		0					
	SX	50		-	managemer hen the local	-	-		
	SX				rojector ope			r manager	nent
		60 setting.							
	X70	mode."		tarts operati	ng, it is auto	matically tr	ansferred to	o the "loca	'
	4 The our	rant namer		t mada aan	ha agguirad	using the	andiachla (CT comm	and
			the GET co		be acquired	using the a	applicable C	JET COITH	iariu.
Example	Setting								
xample	> PMM=S	TANDBY		This se	ts the power	managem	ent to "stan	ndby."	
	< i:OK								
	Reference								
	_	MM or ?PMN	Л	This re	trieves the P	ower mana	gement mo	ode.	
	< g:PMM=	EXIT							
	Acquisition of		ers which car	n be set					
	> RANGE		ANDBY, EXI	T "OEE"	"STANDBY"	' or "EVIT"	can bo cot	for the per	wor
	\ 1.FIVIIVI=	i, Oi i , GI <i>F</i>	114DD1, LAI	manag		JI LAII	can be set	ioi iiie hoi	vGI
	* Commands	are indicated	by ">". and re	esponses are	indicated by "	'<" .			
Commands	SX50	SX7	SX60	X700					
supported	01.00**	01.01**	01.01**	01.01**					
					<u> </u>				

Model		owe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 at="" display="" for="" screen="" setting="" startup;id=""></parameters>	
Parameter	Parameters for setting display screen at startup Parameter Meaning	ID
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."	
	This sets the screen displayed at startup. -1 It can be executed when the projector is in both the remote mode and power-on status 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. Model Menu	
Example	Setting > PJON=CANON This sets the startup screen to "Canon logo". < i:OK Reference > GET PJON or ?PJON This retrieves the startup screen. < g:PJON=SKIP Acquisition of parameters which can be set > RANGE PJON "CANON," "SKIP" or "LOGO" can be set for the disp screen at startup. < r:PJON=I, CANON, SKIP, LOGO * Commands are indicated by ">", and responses are indicated by "<".	olay
Commands supported	SX50 SX7 SX60 X700	

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIliains
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 Mede Control Setting Refer	ence
	Display screen when no signal setting	
Format	NOSIG= <parameters display="" for="" in="" mode:id="" no-signal="" screen="" setting=""></parameters>	
Parameter	Parameters for setting display screen in no-signal mode Parameter Meaning)
Response	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. "i:OK" is returned if the parameter was set properly.	
	For all other responses, refer to "Error List."	
	This sets the display screen when no image signals are input. -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. Model Menu	
Example	Setting > NOSIG=BLUE < i:Ok Reference > GET NOSIG or ?NOSIG < 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		

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remaiks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	NOSHOW Mode Control Setting Re	eference											
Function	Display screen setting when nothing shown												
Format	NOSHOW= <parameters :id="" display="" for="" in="" no="" screen="" setting="" show="" status=""></parameters>												
Parameter	Parameters for setting display screen in no show status												
	Parameter Meaning BLACK Black screen BLUE Blue screen LOGO User screen	ID											
	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 command is used to set the screen which is to appear in the no show status.												
	-1 It can be executed when the projector is in both the remote mode and power-on status at same time. A "busy" response is given while the zoom or focus lens is being driven. (Pefor to the ZCONTDRY command and ECONTDRY command)	the											
	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.												
	Model Menu SX50 [Display settings] - [User screen settings] - [Screen in no show status] SX7 SX60 [Display settings] - [User screen settings] - [Screen in no show status] X700												
	 -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 show For details, refer to the GET command. 												
Example	Setting > NOSHOW=LOGO This sets the "User" screen when nothing is display < Ok	yed.											
	Reference > GET NOSHOW or ?NOSHOW This retrieves the screen shown when nothing is di < g:NOSHOW=LOGO	isplayed.											
	Acquisition of parameters which can be set > RANGE NOSHOW < r:NOSHOW=BLACK,BLUE,LOGO "BLACK," "BLUE" or "LOGO" can be set for the dis screen in the no show status.	splay											
Commendo	* Commands are indicated by ">", and responses are indicated by "<".												
Commands supported													

Опррс	itou	0011	mnaı	ia Otato	Ů.										
Mode		Powe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Kemarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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.

	LOGOPOS				Mo	de Control Setti	ing Reference						
Function	User image position se	etting											
Format	LOGOPOS= <use< th=""><th>image posi</th><th>tion setting</th><th>g parameter</th><th>s:ID></th><th></th><th></th></use<>	image posi	tion setting	g parameter	s:ID>								
Parameter	User image position se	etting parame	ters										
	Parameter	Meani	ng										
	UPPER_L	Upper left											
	UPPER_R	Upper right											
	CENTER	Center											
	LOWER_L	Lower left					ID						
	LOWER_R	Lower right											
	The parameters which RANGE command. For details, refer to the		, ,	point in time	can be obtai	ned using the							
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."												
Description	This sets the logo disp	lay position.											
	-1 It can be executed	when the pro	sicotor ic in	both the rem	oto modo o	ad nower on sta	atus at the						
	same time.	when the pro	njecioi is iii	both the ren	iote inioue a	iu power-on sia	itus at trie						
	A "busy" response	is given while	n the zeem	or focus long	e ie boina driv	(OD							
	(Refer to the ZCO					/CII.							
	-2 This command is t					_							
	Model Menu		7.1			10 1							
	SX50 [Displa	iy settings] - [User scree	n settings] -	User image	position							
	SX7	v cottingol [I loor ooroo	n aattingal	I loor image	a a a iti a m l							
	SX60 [Displa	ıy settirigs] - [Oser scree	n seungsj -	User image	positionj							
	X700												
	-3 This setting cannot	he made un	lace tha use	ar ecraan ie 1	ragistared ha	forehand							
	-3 This setting canno				egistered be	forehand.							
	(Error "e:1002 NO	_LOGO_CAP	TURED" is	returned.)									
	•	LOGO_CAP position can	TURED" is be acquire	returned.)									
	(Error "e:1002 NO -4 The current display For details, refer to	LOGO_CAP position can	TURED" is be acquire	returned.)									
Example	(Error "e:1002 NO -4 The current display For details, refer to Setting	LOGO_CAP position can the GET cor	TURED" is be acquire	returned.) ed using the a	applicable Gl	ET command.							
Example	(Error "e:1002 NO -4 The current display For details, refer to Setting > LOGOPOS=UPPE	LOGO_CAP position can the GET cor	TURED" is be acquire	returned.) ed using the a	applicable Gl		upper right.						
Example	(Error "e:1002 NO -4 The current display For details, refer to Setting	LOGO_CAP position can the GET cor	TURED" is be acquire	returned.) ed using the a	applicable Gl	ET command.	upper right.						
Example	(Error "e:1002 NO -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK	LOGO_CAP position can the GET cor	TURED" is be acquire	returned.) ed using the a	applicable Gl	ET command.	upper right.						
Example	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK	LOGO_CAP / position can the GET cor R_R	TURED" is be acquire mmand.	returned.) ed using the a	applicable Gl	ET command. y position to the	upper right.						
Example	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS o	LOGO_CAP r position can the GET cor R_R r ?LOGOPOS	TURED" is be acquire mmand.	returned.) ed using the a	applicable Gl	ET command.	upper right.						
Example	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK	LOGO_CAP r position can the GET cor R_R r ?LOGOPOS	TURED" is be acquire mmand.	returned.) ed using the a	applicable Gl	ET command. y position to the	upper right.						
Example	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS = LOV	LOGO_CAP / position can the GET cor R_R r ?LOGOPOS VER_L	TURED" is	returned.) ed using the a	applicable Gl	ET command. y position to the	upper right.						
Example	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS = LOV Acquisition of paramet	LOGO_CAP / position can the GET cor R_R r ?LOGOPOS VER_L ers which car	TURED" is	returned.) ed using the a	applicable Gl	ET command. y position to the	upper right.						
Example	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS = LOV	LOGO_CAP r position can the GET cor R_R r ?LOGOPOS VER_L ers which car S	TURED" is a be acquired mmand.	returned.) ed using the a	applicable GI	eT command. y position to the isplay position.	upper right.						
Example	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS = LOV Acquisition of paramet > RANGE LOGOPO	LOGO_CAP r position can the GET cor R_R r ?LOGOPOS VER_L ers which car S	TURED" is a be acquired mmand.	returned.) ed using the a	applicable GI le logo displa es the logo d	y position to the isplay position.	0						
Example	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS = LOV Acquisition of paramet > RANGE LOGOPO	LOGO_CAP r position can the GET cor R_R r ?LOGOPOS VER_L ers which car S	TURED" is a be acquired mmand.	returned.) ed using the a	es the logo d R_L,LOWER_ "UPPER	eT command. y position to the isplay position.	· · · · · · · · · · · · · · · · · · ·						
Example	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS = LOV Acquisition of paramet > RANGE LOGOPO	LOGO_CAP r position can the GET cor R_R r ?LOGOPOS VER_L ers which car S	TURED" is a be acquired mmand.	returned.) ed using the a	ee logo displaes the logo desplaes the logo desp	y position to the isplay position.	.," 'or						
Example	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS = LOV Acquisition of paramet > RANGE LOGOPO	LOGO_CAP r position can the GET cor R_R r ?LOGOPOS VER_L ers which car S	TURED" is a be acquired mmand.	returned.) ed using the a	es the logo d R_L,LOWER_ "UPPER" "CENTE"	y position to the isplay position.	.," 'or						
	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS = LOV Acquisition of paramet > RANGE LOGOPO < r:LOGOPOS=I,UP	LOGO_CAP / position can the GET cor R_R r ?LOGOPOS VER_L ers which car S PER_L,UPPE	TURED" is a be acquired mmand.	This retriev	es the logo d R_L,LOWER "UPPEF "CENTE "LOWEI user ima	y position to the isplay position. R L, ""UPPER_R R, "LOWER_L" R_R" can be set	.," 'or						
Commands	(Error "e:1002 NO -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS=LOV Acquisition of paramet > RANGE LOGOPO < r:LOGOPOS=I,UP	LOGO_CAP / position can the GET cor R_R r ?LOGOPOS VER_L ers which car S PER_L,UPPE	TURED" is a be acquire mmand. So be set ER_R,CENT esponses are X700	This retriev	es the logo d R_L,LOWER "UPPEF "CENTE "LOWEI user ima	y position to the isplay position. R L, ""UPPER_R R, "LOWER_L" R_R" can be set	.," 'or						
	(Error "e:1002 NO. -4 The current display For details, refer to Setting > LOGOPOS=UPPE < i:OK Reference > GET LOGOPOS = LOV Acquisition of paramet > RANGE LOGOPO < r:LOGOPOS=I,UP	LOGO_CAP / position can the GET cor R_R r ?LOGOPOS VER_L ers which car S PER_L,UPPE	TURED" is a be acquired mmand.	This retriev	es the logo d R_L,LOWER "UPPEF "CENTE "LOWEI user ima	y position to the isplay position. R L, ""UPPER_R R, "LOWER_L" R_R" can be set	.," 'or						

Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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		
	Language sele	ct										
Format		anguage selection	paramete	rs:ID>	•							
Parameter	Language sele	ction parameters										
	Parameter	Meaning		SX50	SX7	rted by n SX60	X700					
	ENG	English										
	FRA GER	French German										
	ITA	Italian										
	SPA	Spanish										
	POR	Portuguese										
	SWE Swedish DUT Dutch RUS Russian											
	CHS	Chinese (simplified)									
	CHT	Chinese (traditional								ID		
	KOR	Korean								1.5		
	JPN	Japanese										
	FIN	Finnish		×								
	NOR TUR	Norwegian Turkish		×								
	POL	Polish		×								
	HUN	Hungarian		×								
	CZE	Czech		×								
	DAN	Danish		×								
								- 				
	The parameter RANGE comm	s which can be set a	t any give	n poin	t in time	can be	obtained	d using th	ne			
		and. er to the RANGE cor	nmand									
	or details, ren	er to the IVAIVOL COI	ilitiatiu.									
Response	"i:OK" is return	ed if the parameter v	vas set pr	operly								
	For all other re	sponses, refer to "Er	ror List."									
Description	This quitabas t	ha aaraan dianlay la	2011000									
Description	This switches t	he screen display lar	iguage.									
	-1 It can be ex	xecuted when the pro	ojector is	in both	the rem	ote mo	de and i	ower-o	n status	at the		
	same time.	•	•									
	_	sponse is given whil					-					
		ne ZCONTDRV comr										
		and is the same as t	ne menu	runctio	ns in the	e table b	elow.					
		Menu										
		[System settings] -	[Languag	es]								
	SX7	[System settings] -	[] anguag	oel								
	X700	[Oystern settings] -	[Languay	ော								
		•										
		tly set language can		ed usi	ng the a	pplicabl	e GET c	ommand	l.			
	For details	, refer to the GET co	mmand.									
Example	Setting											
Lxample	> LANG=SW	'F	7	his se	ts the di	splay la	nguage :	to "Swed	lish"			
	< i:OK	_				op.a, .a	.guage					
	Reference											
	> GET LANG		٦	his re	rieves th	ne langu	age.					
	< g:LANG=S	WE										
	Acquisition of r	parameters which car	n be set									
	> RANGE LA		11 00 001									
		ENG,FRA,GER,ITA,S	SPA,POR	SWE,	DUT,RU	S,CHS,	CHT,KC	R,JPN,F	IN,NOR	R,TUR,		
	POL,HUN,											
Commands		indicated by ">", and re		re indic	ated by "	<". 	ı					
supported	SX50 01.00** 0	SX7 SX60 1.01** 01.01**	X700 01.01**									
		01.01	501									
							_					

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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			M	lode	Control	Setting	Reference					
	Terminal setting												
Format	TERMINAL= <terminal setting<="" th=""><th>paramete و</th><th>ers:ID></th><th></th><th></th><th></th><th></th><th></th></terminal>	paramete و	ers:ID>										
Parameter	Terminal setting parameters												
	Parameter Meaning												
	IN This sets to input												
	OUT This sets to output							ID					
	The parameters which can be set a	t anv given	point in time	can be obt	ained	l usina t	he						
	RANGE command.	, ,											
	For details, refer to the RANGE command.												
Response	"i:OK" is returned if the parameter v	was set pror	perly.										
	For all other responses, refer to "Er		. ,										
Doscription	This sate the input/output of the PG	B-INI2/CON	ADONENT IN	/PGR OUT	torm	inale							
Description	This sets the input/output of the ING	ID-IINZ/CON	VIF CINLINI IIN	/NGD OUT	teiiii	iliais.							
	This sets the input/output of the RGB-IN2/COMPONENT IN/RGB OUT terminals.												
	-1 It can be executed when the pro-	ojector is in	both the rem	ote mode	and r	ower-o	n status	at the					
	same time.	•			-			s at the					
	same time2 This command is identical to the	e Terminal	command in	the System	setti	ngs mer	nu.						
	same time.	e Terminal not be made	command in t	the System A-RGB2" or	setti "COI	ngs mer MP" inp	nu. ut is sele						
	same time2 This command is identical to the -3 The "OUT" (output) setting cann	e Terminal not be made n be acquire	command in t	the System A-RGB2" or	setti "COI	ngs mer MP" inp	nu. ut is sele						
Fxamnle	same time. -2 This command is identical to the -3 The "OUT" (output) setting cannum the current terminal setting cannum For details, refer to the GET control.	e Terminal not be made n be acquire	command in t	the System A-RGB2" or	setti "COI	ngs mer MP" inp	nu. ut is sele						
Example	same time. -2 This command is identical to the -3 The "OUT" (output) setting cannum the current terminal setting cannum For details, refer to the GET control.	e Terminal not be made n be acquire	command in t	the System A-RGB2" or applicable C	setti "COI	ngs mer MP" inp	nu. ut is sele						
Example	same time. -2 This command is identical to the -3 The "OUT" (output) setting cannot the current terminal setting cannot for details, refer to the GET consetting	e Terminal not be made n be acquire	command in the "A ed using the a	the System A-RGB2" or applicable C	setti "COI	ngs mer MP" inp	nu. ut is sele						
Example	same time. -2 This command is identical to the -3 The "OUT" (output) setting can -4 The current terminal setting car For details, refer to the GET col Setting > TERMINAL=IN < i:OK	e Terminal not be made n be acquire	command in the "A ed using the a	the System A-RGB2" or applicable C	setti "COI	ngs mer MP" inp	nu. ut is sele						
Example	same time. -2 This command is identical to the -3 The "OUT" (output) setting cannum the current terminal setting cannum for details, refer to the GET consetting > TERMINAL=IN	e Terminal not be made n be acquire mmand.	command in the "A ed using the a	the System A-RGB2" or applicable C	setti "COI	ngs mer MP" inpr comman	nu. ut is sele d.						
Example	same time2 This command is identical to the -3 The "OUT" (output) setting can -4 The current terminal setting car For details, refer to the GET col Setting > TERMINAL=IN < i:OK Reference	e Terminal not be made n be acquire mmand.	command in the when the "A ed using the a This sets to	the System A-RGB2" or applicable C	setti "COI	ngs mer MP" inpr comman	nu. ut is sele d.						
Example	same time. 2 This command is identical to the 3 The "OUT" (output) setting can for details, refer to the GET colors. Setting > TERMINAL=IN < i:OK Reference > GET TERMINAL or ?TERMINAL < g:TERMINAL=OUT	e Terminal not be made n be acquire mmand.	command in the when the "A ed using the a This sets to	the System A-RGB2" or applicable C	setti "COI	ngs mer MP" inpr comman	nu. ut is sele d.						
Example	same time. 2 This command is identical to the "OUT" (output) setting can red the current terminal setting car For details, refer to the GET colors to the GET colors and the colors are red to the GET	e Terminal not be made n be acquire mmand.	command in the when the "A ed using the a This sets to	the System A-RGB2" or applicable C input	i setti "COI GET o	ngs mer MP" inpromman	nu. ut is sele d.	ected!					
Example	same time. -2 This command is identical to the -3 The "OUT" (output) setting can -4 The current terminal setting car For details, refer to the GET col Setting > TERMINAL=IN < i:OK Reference > GET TERMINAL or ?TERMINA < g:TERMINAL=OUT Acquisition of parameters which cal	e Terminal not be made n be acquire mmand.	command in the when the "A ed using the a This sets to	the System A-RGB2" or applicable C input	i setti "COI GET o	ngs mer MP" inpromman	nu. ut is sele d.	ected!					
Example	same time. -2 This command is identical to the -3 The "OUT" (output) setting can -4 The current terminal setting car For details, refer to the GET col Setting > TERMINAL=IN < i:OK Reference > GET TERMINAL or ?TERMINAL < g:TERMINAL=OUT Acquisition of parameters which can > RANGE TERMINAL < r:TERMINAL=I, IN, OUT	e Terminal not be made n be acquire mmand.	command in the when the "A ed using the a sets to the	the System A-RGB2" or applicable C input es the term T" can be s	i setti "COI GET o	ngs mer MP" inpromman	nu. ut is sele d.	ected!					
Example	same time. -2 This command is identical to the -3 The "OUT" (output) setting can -4 The current terminal setting car For details, refer to the GET col Setting > TERMINAL=IN < i:OK Reference > GET TERMINAL or ?TERMINA < g:TERMINAL=OUT Acquisition of parameters which cal > RANGE TERMINAL	e Terminal not be made n be acquire mmand.	command in the when the "A ed using the a sets to the	the System A-RGB2" or applicable C input es the term T" can be s	i setti "COI GET o	ngs mer MP" inpromman	nu. ut is sele d.	ected!					
	same time2 This command is identical to the -3 The "OUT" (output) setting can -4 The current terminal setting car For details, refer to the GET col Setting > TERMINAL=IN < i:OK Reference > GET TERMINAL or ?TERMINA < g:TERMINAL=OUT Acquisition of parameters which cal > RANGE TERMINAL < r:TERMINAL=I, IN, OUT * Commands are indicated by ">", and reference	e Terminal not be made n be acquire mmand. L n be set	command in the when the "A ed using the a sets to the	the System A-RGB2" or applicable C input es the term T" can be s	i setti "COI GET o	ngs mer MP" inpromman	nu. ut is sele d.	ected!					

очрро.	ica comma														
Model	Parameter		Powe						Input					Mo	de
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local
SX50	IN	×		×							-	-			×
3/30	OUT	×		×			×	×			-	-			×
SX7															
SX60	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_
X700															

^{*} 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	KEYL	OCK					Mod	e Contro	Setting	Reference					
	Keylock set														
Format	KEYLO	CK= <key i<="" th=""><th>ock setting</th><th>paramete</th><th>rs:ID></th><th></th><th></th><th></th><th></th><th></th></key>	ock setting	paramete	rs:ID>										
Parameter	Key lock se														
		eter Meanin													
	OFF MAII		ting (OFF) ev lock												
	RC		e control key	lock						ID					
	The parame		can be set a	t any given	point in time	can be	obtain	ed using	the						
	For details,	refer to the	RANGE con	nmand.											
Response		:OK" is returned if the parameter was set properly. or 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													
	same ti A "busy	 -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. 													
	-2 This co	mmand is th			CONTDRV of the control of the contro		,								
		del Menu	n settings] -	[Kev lock]											
	SX	X7	n settings] -												
	even if -4 The cu	the main un rent key loc	it or remote	control key be acquir	function (real s are locked! ed using the					inds)					
Example	Sotting														
Example	> KEYLO < i:OK	CK=RC			This locks t	he remo	ote cor	itrol keys.							
	_	EYLOCK or .OCK=OFF	?KEYLOCK		This retriev	es the k	ey loc	state.							
	Acquisition of parameters which can be set > RANGE KEYLOCK < r:KEYLOCK=I,OFF,MAIN,RC "OFF," "MAIN" or "RC" can be selected as the key lock setting.														
					e indicated by	'<".									
Commands supported		SX7	SX60	X700											
Supported	01.00**	01.01**	01.01**	01.01**					†						
			•	i	1				_						

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RCCH Mode Control Settin	Reference												
Function	Remote control setting													
Format	RCCH= <remote control="" parameters: d="" setting=""></remote>													
Parameter	Remote control setting parameters Parameter Meaning	ID												
Response	or all other responses, refer to "Error List."													
Description	-1 It can be executed when the projector is in both the remote mode and power-on statusame 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 Model Menu	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. Model Menu												
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=I, 1, 2 "1" or "2" can be set as the remote control channel.													
Commands supported														

Mod	leb	F	owe	er					Input					Мо	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX5	50	×		×							-	-			×	
SX	7	×		×											×	
SXE	60															
X70	00															

^{*} 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.

	GUIDE					Mode	Control	Settir	ng Reference					
Function	Guide setting													
Format	GUIDE= <guide setti<="" th=""><th>ng parameter</th><th>:ID></th><th></th><th></th><th></th><th></th><th></th><th></th></guide>	ng parameter	:ID>											
Parameter	Guide setting parameters	;												
		splay ON splay OFF							ID					
	RANGE command.	or details, refer to the RANGE command. i:OK" is returned if the parameter was set properly.												
Response	i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."													
Description	(1) It can be executed w time. However, a "busy" r (Refer to the ZC	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												
	menu. However, the guide it (3) The current guide se For details, refer to	tting can be	obtained			eived while	e the guid	le is di	splayed.					
Example	Setting > GUIDE=ON < i:OK		The guide	e display is s	set to ON.									
	Reference > GET GUIDE or ?GI < g:GUIDE=ON	JIDE	The guide	e display set	ting status is o	btained.								
	0 1 7 0													
Commands supported	SX50 SX7 01.00** 01.01** x When a command is not sup	SX60 01.01**	X700 01.01	**										

Cupported Command States															
Model	Pow	er su	ipply					Input					Mo	de	Remarks
	OFF	OFF ON PM D-RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video											Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

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

Commands	DPON					Mode	Control	Setting Reference						
Function	Direct power-on setting	J												
Format	DPON= <direct pow<="" th=""><th>er-on setting</th><th>parameter:I</th><th>D></th><th></th><th></th><th></th><th></th></direct>	er-on setting	parameter:I	D>										
Parameter														
	The parameters which a RANGE command. For details, refer to the	can be set at a	any given poi mmand.	nt in time car	n be obtained	l using the	e	I D						
Response		OK" is returned if the parameter was set properly. or all other responses, refer to "Error List."												
Description	This command is used (1) It can be executed time. However, a "busy" (Refer to the Z (2) This command fund selected on the me (3) Direct power-on casetting. ("e:1004 POWER_M (5) The current direct For details, refer to	when the proj response is g CONTDRV tions in the si nu. innot be set to ANAGEMENT power-on set	ector is in bo iven while the command a ame way as v o ON when "(e zoom or foc and FCONT when "System OFF" has been urned.)	e mode and page that lens is be FDRV coming settings" - ten selected a	ing driver mand. "Direct pas s the pov	n.) power-o	n" are						
Example	Setting > DPON=ON < i:OK Reference > GET DPON or ?DP < g:DPON=ON Acquisition of paramete > RANGE DPON < r:DPON=I,ON,OFF *Commands are indicated	ON The rs which can "Ol	e current dire be set N" or "OFF"	ct power-on	setting is ob									
Commands supported	SX50 SX7 01.00** 01.01** x	SX60 01.01**	X700 01.01**		turned.									

Model	Pow	er su	ipply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 ¹	Mode C	ontrol	Setting Reference
Function	Emotional LED and signal sensing LED lighting control			
Format	LEDILLUMINATE= <led control="" id="" lighting="" parameter:="" setting=""></led>			
Parameter	LED lighting control setting parameters Parameter Meaning	using the		ID
	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."			
	This command is used to control the lighting of the emotional LED and signal states. (1) It can be executed when the projector is in both the remote mode and po time. However, a "busy" response is given while the zoom or focus lens is being (Refer to the ZCONTDRV command and FCONTDRV comma (2) This command functions in the same way as when "System settings" - "Leselected on the menu. (3) The current LED illumination setting can be obtained using the GET command.	g driven. and.) LED illum	status	
Example	Setting > LEDILLUMINATE=ON < i:OK Reference > GET LEDILLUMINATE or ?LEDILLUMINATE < g:LEDILLUMINATE=ON Acquisition of parameters which can be set > RANGE LEDILLUMINATE < r:LEDILLUMINATE=I, ON, OFF "ON" or "OFF" ca *Commands are indicated by ">", and responses are indicated by "<".	etting for	the LE	
Commands supported	SX50 SX7 SX60 X700			

Model	Pow	er su	ipply					Input			Mo	de	Remarks		
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 Co	ontrol Se	tting Reference
Function	Zoom lens step drive control			
Format	ZSTEPDRV= <zoom control="" lens="" parameter:id="" step=""></zoom>			
Parameter	Zoom lens step control parameters Parameter Meaning	sing the		ID
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 initiate the step drive of the zoom lens. (1) It can be executed when the projector is in both the remote mode and pov time. However, a "busy" response is given while the zoom or focus lens is being (Refer to the ZCONTDRV command and FCONTDRV comma (2) This command functions in the same way as when first the "ZOOM" butto main unit panel is pressed and then the " " or " " button is pressed. (3) The amount by which the lens is zoomed is constant, and it is fixed in the (4) If a zooming error occurs, step drive cannot be controlled.	g driven. and.) on on the		
Example	Control > ZSTEPDRV=TELE			
Commands supported	SX50			

Support	ported Command States														
Model	Pow							Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Romano
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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	ZCONTDRV Mode Control Setting Referen
	Zoom lens continuous drive control
F4	ZOONTODY Zama kan and
Format	ZCONTDRV= <zoom continuous="" control="" lens="" parameter:id=""></zoom>
Parameter	Zoom lens continuous control parameters
	Parameter Meaning
	STOP This stops the zooming. WIDE This zooms to the wide-angle end.
	TELE This zooms to the telephoto 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.
	"i:OK" is returned when the drive was completed successfully.
	For all other responses, refer to "Error List."
Description	This command is used to drive the zoom lens continuously.
	(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 zoom lens is being driven, and a "busy" response is given while the focus lens is being driven.
	(Refer to the FCONTDRV command.) (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.
	(3) Zoom drive is started by specifying "TELE" or "WIDE." 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.
	(4) The following commands are acknowledged during zoom drive, but zoom drive will also stop at the same time. In the case of any other commands, "i:BUSY (ZOOM)" is returned unconditionally, and zoom drive
	continues.
	a. REMOTE
	b. LOCAL
	c. POWER d. ZCONTDRV=STOP
	(5) The following commands are acknowledged during zoom drive, and a response is returned while the
	drive continues.
	a. GET MODE e. GET PRODCODE b. GET POWER f. GET ROMVER
	c. GET ERR g. GET COMVER
	d. GET LAMPCOUNTER
	(6) Zoom drive stops when the "POWER" button on the remote control or main unit panel is pressed during zoom drive.
Example	Control
Example	> ZCONTDRV=TELE Control over the zooming to the telephoto end is started < I:OK
	Range acquisition
	> RANGE ZCONTDRV
	< r:ZCONTDRV = I, STOP, WIDE, TELE "STOP," "WIDE" or "TELE" can be set for zoom lens continuous drive.
Commands	SX50 SX7 SX60 X700
supported	01.00** 01.01** 01.01** 01.01**
	× When a command is not supported, "e:0002 INVALID_COMMAND" is returned.

Model	Pow	er su	ipply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 control="" lens="" parameter:1d="" step=""></focus>													
Parameter	Focus lens step control parameters Parameter Meaning	d using t	he	ID										
Response	DK" is returned when zooming was completed successfully after step drive. 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 time. However, a "busy" response is given while the zoom or focus lens is be (Refer to the ZCONTDRV command and FCONTDRV com (2) This command functions in the same way as when first the "FOCUS" to or main unit panel is pressed and then the " " or " " button is pressed.) The amount by which the lens is focused is constant, and it is fixed for (4) If a focusing error occurs, step drive cannot be controlled.	eing drivenmend. Soutton or sed.	en.) n the rem											
Example	Control > FSTEPDRV=NEAR < I:OK Range acquisition > RANGE FSTEPDRV < r:FSTEPDRV=I, FAR, NEAR 1-step control is exercis NEAR end. 1-step control is exercis NEAR end. "FAR" or "NEAR" can be													
Commands supported	SX50													

Model	Pow	er su	ipply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video S-Video D-Video S			SCART	None	Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 continuous="" control="" lens="" parameter:id=""></focus>
	Focus lens continuous control parameters Parameter Meaning STOP This stops the focusing. 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.
	"i:OK" is returned when the drive was completed successfully. For all other responses, refer to "Error List."
	(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.) (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) 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. (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. a. REMOTE b. LOCAL c. POWER d. FCONTDRV=STOP (5) The following commands are acknowledged during focus drive, and a response is returned while the drive continues. a. GET MODE b. GET POWER f. GET ROMVER c. GET ERR g. GET COMVER d. GET LAMPCOUNTER
Example	Control > FCONTDRV=NEAR < I:OK Range acquisition > RANGE FCONTDRV < r.FCONTDRV=I, STOP, FAR, NEAR "STOP," "FAR" or "NEAR" can be set for focus lens continuous drive.
Commands supported	SX50

Oupport	.ou c	,01111	Halla	Otatoo											
Model	Pow	er su	ıpply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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					M	ode C	ontrol Se	etting	Reference
Function	Remote control op	eration emulate								
Format	RC <remote< th=""><th>control emulation</th><th>button</th><th>parame</th><th>ters:ID:</th><th>></th><th></th><th></th><th></th><th></th></remote<>	control emulation	button	parame	ters:ID:	>				
Parameter	Remote control em	ulation button param	neters							
	The key assign	ment for the remote	control (amulatio	n huttor	ne ie ae	follows			
	Remote contro						IOIIOWS	•	-	
	button	Parameter	SX50	SX7	orted by m SX60	X700	Re	marks		
	POWER	POWER								
	-	POWER_OFF						R button ed twice		
	MENU	MENU								
	AUTO SET	AUTOSET	×							
	COMPUTER1	COMPUTER1		×	×	×			4	
	COMPUTER2			×	×	×			4	
	VIDEO	VIDEO		×	×	×			_	
	INPUT AUTOPC	INPUT AUTOPC	×						-	
	KEYSTONE	KEYSTONE							-	
		UP					1		-	
	UP	UP+REP	×				Button	press sta	rt	
		DOWN					Datton	proces ota		
	DOWN	DOWN+REP	×				Button	press sta	rt	
	LEET	LEFT								
	LEFT	LEFT+REP	×				Button	press sta	rt	
	RIGHT	RIGHT								
		RIGHT+REP	×				Button	press sta	rt	15
	OK	OK								ID
	R_CLICK	R_CLICK								
	PAGE	P_UP							_	
		P_UP+REP	×				Button	press sta	rt	
	PAGE	P_DOWN P_DOWN+REP					D //		-	
	IMAGE	IMAGE	×				Button	press sta	rt	
	FREEZE	FREEZE								
	VOL +	VOL_P		×	×	×			-	
	VOL -	VOL_M		×	×	×				
	VOL	VOL	×							
	NOSHOW	NOSHOW								
	MUTE	MUTE								
	P-TIMER	P_TIMER								
	DZOOM +	DZOOM_P								
	DZCOM 1	DZOOM_P+REP	×				Button	press sta	rt	
	DZOOM_M	DZOOM_M DZOOM_M+REP	×				Button	press sta	rt	
	SPOT	SPOT								
	FOCUS	×						1		
	ZOOM	×								
	-	*-REP	×				Button	press en	b	
	*I lse the applic	ation to adjust the ti	me hetw	een nre	ssina of	kevs				
	οσο της αρρικ	anon to adjust the th	ine betw	oon pie	oomig of	noys.				

Response	"i:OK" is ret	urned when	the button p	oress reques	st has bee	n acknowledg	ed successf	ully.				
	(It does not	indicate if the	ne operation	for the pres	sed buttor	was execute	ed properly.)					
Description	This emulat	es pressing	of the remo	te control bu	uttons for o	controlling the	projector.					
	-1 It can o	nly be used	during Loca	I mode.								
	to the p	arameters c	annot neces	ssarily be ex	ecuted.	he functions of the buttons.	of the buttons	s corresponding				
	- USB n	owing functi nouse functi on for transf	on			trol emulation						
	the rem Be abso The but <1> <2>	ote control bolutely sure to ton pressing	outton is held to send the 'g is ended in nel or remot RC' or 'MAIN	d down.)	meter, and below as w tton has b has been	d end the butt rell. een operated received		status in which last of all.				
Example		> RC POWER										
		are indicated	by ">", and re	esponses are	indicated b	y "<".						
Commands	0.100	SX7	SX60	X700								
supported	01.00**	01.01**	01.01**	01.01**								
]				

Model	F	owe	er					Input					Mo	de	Damada
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50										-	-		×		
SX7													×		
SX60															
X700															

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

Commands	MAIN					M	ede Control	Setting	Reference				
	Front panel operation	on emulation											
Format	MAIN <main th="" u<=""><th>unit panel emula</th><th>ation butto</th><th>n parar</th><th>neters :</th><th>ID></th><th></th><th></th><th></th></main>	unit panel emula	ation butto	n parar	neters :	ID>							
Parameter	Main unit panel emu	ulation button pa	rameters										
	The key assignr	ments for the fro	nt panel but	tons are	e shown	below.							
	Remote control				orted by n		Remarks						
	button POWER	POWER	SX50	SX7	SX60	X700	Remarks						
	-	POWER_OFF	=				POWER butto						
	MENU	MENU					pressed twice						
	AUTO SET	AUTOSET	×										
	COMPUTER1 COMPUTER2	COMPUTER2		×	×	×							
	VIDEO	VIDEO		×	×	×							
	INPUT	INPUT	×										
	AUTOPC KEYSTONE	AUTOPC KEYSTONE							ID				
	UP	UP											
		UP+REP DOWN	×				Button press s	start					
	DOWN	DOWN+REP	×				Button press s	start					
	LEFT	LEFT					D						
	DIGUT	LEFT+REP RIGHT	×				Button press s	start					
	RIGHT	RIGHT+REP	×				Button press s	tart					
		OK OK FOCUS ×											
	ZOOM	ZOOM	×										
	_	*-REP	×				Button press e	end					
Response		ation to adjust the		•			and successful	llv					
Kespolise	(It does not indicate	•				_		ııy.					
Description	This emulates the p	ressing of the fro	ont panel bu	ittons fo	r contro	lling the	projector.						
	-1 It can only be us	sed during Local	mode.										
	Note 1												
		ion of the front p	anel operat	ions, the	e functio	ns of th	e buttons corr	respond	ding to				
	the parameters pressing of the	cannot necessar buttons.	rily be exec	uted. Er	mulation	simply	consists in em	nulating	the				
	Note 2												
	•	h '+REP' signifie		ress sta	rt." (Thi	s is the	same as the s	status ir	n which				
	•	outton is held dow ure to send the '*	,	meter, a	and end	the butt	on pressing la	ast of al	II.				
	The button pres	sing is ended in	the cases b	elow as	s well.								
		a panel or remote an 'RC' or 'MAIN'											
		peration has tra											
Example	Setting												
	> MAIN FOCUS												
	< i:OK												
	* Commands are indic	ated by ">", and re	sponses are	indicated	d by "<".								
Commands supported			X700 01.01**										
	31.00	01.01	01.01										
					-								

Ouppo.		00													
Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50										-	_		×		
SX7													×		
SX60															
X700															

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

Function Retrieve each data Format GET <parameter> ? <parameter aspect="" blank="" bri="" brightness="" cont="" contrast="" dots="" dynamic="" gamma="" hpix="" hpos="" image="" input="" mode="" parameter="" power="" prog="" progressive<="" screen="" sel="" setting="" settings="" sharp="" sharpness="" signal="" size="" state="" status="" supply="" th="" track="" vpix="" vpos=""><th></th></parameter></parameter>	
Parameter Parameter MODE MODE POWER Power supply state BLANK BLANK status INPUT Input state DOTS TRACK HPOS VPOS HPIX VPIX SEL Input signal ASPECT Screen size IMAGE Image settings BRI Brightness setting SHARP Sharpness setting GAMMA Gamma correction DGAMMA Dynamic gamma Meaning Horizontal ot number Tracking Horizontal position Vertical position Vertical resolution Vertical position Vertical position	
Parameter Mode MODE Mode POWER Power supply state BLANK BLANK status INPUT Input state DOTS TRACK Input HPOS signal VPOS settings HPIX VPIX VPIX SEL Input signal ASPECT Screen size IMAGE Image settings BRI Brightness setting CONT Contrast setting SHARP Sharpness setting GAMMA Gamma correction DGAMMA Dynamic gamma	
MODE Mode POWER Power supply state BLANK BLANK status INPUT Input state DOTS TRACK Input Horizontal position VPOS settings VPIX VPIX VPIX SEL Input signal ASPECT Screen size IMAGE Image settings BRI Brightness setting SHARP Sharpness setting GAMMA Gamma correction DGAMMA Dynamic gamma	
POWER Power supply state BLANK BLANK status INPUT Input state DOTS TRACK INPUS Signal Vertical position VPOS Settings Input Horizontal resolution VPIX 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	
BLANK BLANK status INPUT Input state DOTS TRACK Input Tracking HPOS signal VPOS settings HPIX VPIX VPIX SEL Input signal ASPECT Screen size IMAGE Image settings BRI Brightness setting BRI Brightness setting CONT Contrast setting SHARP Sharpness setting GAMMA Gamma correction DGAMMA Dynamic gamma	
DOTS TRACK HPOS VPOS HPIX VPIX SEL Input signal ASPECT Image settings Image settings Image settings BRI CONT Contrast setting SHARP GAMMA Gamma correction DGAMMA Input Tracking Horizontal position Vertical position Vertical resolution Vertical resolution Vertical resolution Vertical resolution Vertical resolution Vortical resolution Vertical position Vertical resolution	
TRACK HPOS VPOS Signal VPIX VPIX SEL Input signal ASPECT Image settings Image settings BRI CONT COntrast setting SHARP GAMMA Gamma correction DGAMMA Input signal Fracking Horizontal position Vertical position Vertical resolution Vertical position	
HPOS signal signal Vertical position Vertical position HPIX VPIX Settings Vertical resolution Vertical resolution Vertical resolution 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	
VPOS HPIX VPIX VPIX SEL Input signal ASPECT Screen size IMAGE Image settings BRI Brightness setting CONT Contrast setting SHARP Sharpness setting GAMMA Gamma correction DGAMMA Dynamic gamma	
HPIX VPIX VPIX Vertical resolution 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	
SEL Input signal ASPECT Screen size IMAGE Image settings BRI Brightness setting CONT Contrast setting SHARP Sharpness setting GAMMA Gamma correction DGAMMA Dynamic gamma	
ASPECT Screen size IMAGE Image settings BRI Brightness setting CONT Contrast setting SHARP Sharpness setting GAMMA Gamma correction DGAMMA Dynamic gamma	
IMAGE Image settings BRI Brightness setting CONT Contrast setting SHARP Sharpness setting GAMMA Gamma correction DGAMMA Dynamic gamma	
BRI Brightness setting CONT Contrast setting SHARP Sharpness setting GAMMA Gamma correction DGAMMA Dynamic gamma	
CONT Contrast setting SHARP Sharpness setting GAMMA Gamma correction DGAMMA Dynamic gamma	
GAMMA Gamma correction DGAMMA Dynamic gamma	
DGAMMA Dynamic gamma	
, a 1 ga	
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 R Setting	
6AXG 6-axis G Setting B Setting	ID
6AXC COIOT C Setting	
6AXM adjust 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	

Commands	GET MODE Mode Control Setting	Reference										
Function	Current control mode inquiry											
Format	GET MODE ? MODE											
Response	g:MODE= <mode:id> Mode Meaning LOCAL The local mode is currently established. REMOTE The remote mode is currently established. For all other responses, refer to "Error List."</mode:id>	ID										
Description	This inquires about the current control mode. -1 For details on the control modes of the user commands, refer to the control mode2 This inquiry can be executed in any status provided that AC power is supplied to the projector3 The control mode is usually switched by REMOTE command-LOCAL command, but when the nexevent occurs in the remote status, the mode is switched to the local status. 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	> GET MODE or ?MODE < g:MODE=REMOTE * Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	31.10											

Ouppo.					•										
Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50										-	-				
SX7															
SX60													:		į
X700															į

Commands	GET F	OWER	₹			Me	ode Contro	Setting	Reference
Function	Power statu	ıs inquiry							
Format	GET I	POWER WER							
Response	g:POW	ER= <powe< th=""><th>r status: ID</th><th>></th><th></th><th></th><th></th><th></th><th></th></powe<>	r status: ID	>					
	Power:	supply state		Sta	itus				
	OFF		Power Off						
	OFF2O	N		ng from powe	er off on				
	ON		Power on						
	ON2PM	1M		ng from powe	er on stand	dby mode			ID
	PMM		Standby						
	PMM20			ng from stand		on			
	ON2OF	Г	Transitionii	ig itom powe	oli oli		1		
Description		r responses	,						
	-1 This inc For the -2 Use the Mod Loca Remo	quiry can be "SX50," the following co e RC MAIN	executed in remote mo ommands to Comma POWER/PO N POWER/F POWER C	any status pode must be control the ands DWER_OFF	provided that established power status			•	ojector.
Example	< g:POW * Commands			esponses are	indicated by '	'<".		_	
Commands		SX7	SX60	X700					
supported	01.00**	01.01**	01.01**	01.01**				1	
								_	

Ouppoi	icu v	JUII	IIIIai	iu State	3										
Model	F	owe	er		Input GB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART None									de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50										-	_			×	
SX7															
SX60															
X700															

^{*} 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 ? BLANK											
Response	g:BLANK= <blank status:id=""> BLANK status Status ON BLANK underway OFF BLANK release underway For all other responses, refer to "Error List."</blank>				ID							
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											

Ouppo.		de Command Otateo													
Model	Pow	er su	ıpply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 IN	PUT						Mode	Control Setting	Reference					
Function	Input selection	inquiry													
Format	GET INP ? INPUT	UT													
Response	g:INPUT=	<input th="" ty<=""/> <th>pe: ID></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	pe: ID>												
	Input type	Meanin	a			rs suppo	rted by m	nodel]						
					X50	SX6	SX60	X600							
	D-RGB	D-RGB													
		A-RGB													
	A-RGB2								4						
	COMP	Compo	nent						4	ID					
		VIDEO Video S-VIDEO S-Video D-VIDEO Digital Video SCARTRGB SCART(RGB)													
	SCARTRGE														
		all other responses, refer to "Error List."													
	(Refer to the With the Single 12 The input single 12 The input single 13 (Refer to the input single 14 (Refer to the input sin	y can be esponse ine ZCON X50, the selection	made in the is given whil ITDRV comi inquiry can l can be cont	power-on e the zoon mand and be made ir	statu or for CON the r	cus lens NTDRV emote r	commar node on	nd.)							
Example	> GET INPUT or ? INPUT < g:INPUT=VIDEO * Commands are indicated by ">", and responses are indicated by "<".														
Commands		SX7	SX60	X700											
supported	01.00**	01.01**	01.01**	01.01**											

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×												
SX60															
X700															

^{*} 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 dots:="" number="" of=""></total>													
	For all other responses, refer to "Error List."	Number												
Description	This inquires about the current total number of dots.													
	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.	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.												
Example	> GET DOTS or ? DOTS < q:DOTS=1200													
	* Commands are indicated by ">", and responses are indicated by "<".													
Commands														
supported	57.55													
	0.00													

Ou	PPOI	iou .	0011	onimana diales												
Mo	odel	F	owe	r					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB									Remote	Local	Kemarks
S	X50	×		×	×			×	×	×	-	-	×		×	
S	X7	×		×	×			×	×	×	×	×	×		×	
S	X60															
X	700															

^{*} 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.

GET T	ET TRACK Mode Control Setting Reference Cking adjustment value inquiry													
Tracking ad	justment va	lue inquiry												
-														
g:TRAC	K= <tracki< th=""><th>ng adjustm</th><th>ent value: I</th><th>Number></th><th></th><th></th><th></th><th></th><th></th></tracki<>	ng adjustm	ent value: I	Number>										
For all other	responses,	refer to "Er	ror List."						Number					
This inquire	s about the	current track	cina adiustm	ent value										
TTIIS II IQUIIC														
	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.													
						- /								
			•			uiry.								
OFT TO	MOK -= 0 T	DACK												
		KAUK												
·														
01.00**	U1.00 U1.01													
			<u> </u>		L									
1	GET 1 ? TRA g:TRAC For all other This inquire -1 This inquire the sam A "busy (Refer t With son -2 The trac > GET TR < g:TRAC	GET TRACK ? TRACK ? TRACK ? TRACK ? TRACK G:TRACK= <tracki "busy"="" (refer="" -1="" -2="" a="" about="" adjustr="" all="" be="" can="" for="" i="" input="" inquires="" inquiry="" other="" response="" responses,="" same="" sig="" some="" the="" this="" time.="" to="" tracking="" with="" zcon=""> GET TRACK or ? T < g:TRACK=21 Commands are indicated SX50 SX7</tracki>	GET TRACK ? TRACK ? TRACK ? TRACK g:TRACK= <tracking "="" "busy"="" "er="" (refer="" -1="" -2="" <="" ?="" a="" about="" adjustm="" adjustment="" all="" are="" be="" by="" can="" come="" commands="" current="" for="" g:track="21" given="" indicated="" input="" inquires="" inquiry="" is="" it="" made="" may="" or="" other="" refer="" response="" responses,="" same="" set="" signals,="" some="" the="" this="" time.="" to="" track="" tracking="" when="" while="" with="" zcontdrv="">", and re SX50 SX7 SX60</tracking>	GET TRACK ? TRACK ? TRACK ? TRACK g:TRACK= <tracking "="" "busy"="" (refer="" ?="" a="" adjustment="" and="" are="" be="" by="" can="" command="" commands="" fill="" get="" given="" i="" in="" indicated="" input="" is="" it="" may="" not="" note:="" of="" or="" possible.="" response="" same="" set="" signals,="" some="" the="" time.="" to="" topic="" track="21" tracking="" value:="" while="" with="" zcontdrv="" zoom="">", and responses are SX50 SX7 SX60 X700</tracking>	GET TRACK ? TRACK ? TRACK ? TRACK g:TRACK= <tracking adjustment="" number="" value:=""> For all other responses, refer to "Error List." This inquires about the current tracking adjustment value. -1 This inquiry can be made when the projector is in both the same time. A "busy" response is given while the zoom or focus len (Refer to the ZCONTDRV command and FCONTDRV With some input signals, it may not be possible to make -2 The tracking adjustment can be set by the TRACK com > GET TRACK or ? TRACK < g:TRACK=21 Commands are indicated by ">", and responses are indicated by SX50 SX7 SX60 X700</tracking>	GET TRACK ? TRACK ? TRACK g:TRACK= <tracking adjustment="" number="" value:=""> For all other responses, refer to "Error List." This inquires about the current tracking adjustment value. -1 This inquiry can be made when the projector is in both the remo the same time. A "busy" response is given while the zoom or focus lens is being (Refer to the ZCONTDRV command and FCONTDRV command with some input signals, it may not be possible to make this inquire. 2 The tracking adjustment can be set by the TRACK command. > GET TRACK or ? TRACK < g:TRACK=21 Commands are indicated by ">", and responses are indicated by "<".</tracking>	GET TRACK ? TRACK ? TRACK g:TRACK= <tracking adjustment="" number="" value:=""> For all other responses, refer to "Error List." This inquires about the current tracking adjustment value. -1 This inquiry can be made when the projector is in both the remote mod 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. > GET TRACK or ? TRACK < g:TRACK=21 Commands are indicated by ">", and responses are indicated by "<".</tracking>	GET TRACK ? TRACK ? TRACK g:TRACK= <tracking adjustment="" number="" value:=""> For all other responses, refer to "Error List." This inquires about the current tracking adjustment value. -1 This inquiry can be made when the projector is in both the remote mode and pour 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 inquiry2 The tracking adjustment can be set by the TRACK command. > GET TRACK or ? TRACK < g:TRACK=21 Commands are indicated by ">", and responses are indicated by "<".</tracking>	GET TRACK ? TRACK ? TRACK g:TRACK= <tracking adjustment="" number="" value:=""> For all other responses, refer to "Error List." 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 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 inquiry2 The tracking adjustment can be set by the TRACK command. > GET TRACK or ? TRACK < g:TRACK=21 Commands are indicated by ">", and responses are indicated by "<".</tracking>					

Опррог	iou .	0011	ommand diales												
Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1 A-RGB2 Comp Video S-Video D-Video SCA							None	Remote	Local	Kemarks
SX50	×		×	×			×	×	×	-	-	×		×	
SX7	×		×	×			×	×	×	×	×	×		×	
SX60															
X700															

^{*} 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 PHPOS PHPOS Vertical position adjustment inquiry GET VPOS VPOS												
Response	g:HPOS= <horizontal adjustment="" number="" position="" value:=""> g:VPOS=<vertical adjustment="" number="" position="" value:=""> For all other responses, refer to "Error List."</vertical></horizontal>	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 SX7 SX60 X700												

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×	×			×	×	×	-	×		×		
SX7	×		×	×			×	×	×	×	×		×		
SX60															
X700															

^{*} 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 H	PIX/VI	PIX				Mode	Control	Setting	Reference				
Function	Horizontal ar	nd vertical r	esolution in	quiries										
Format	Horizonta GET H ? HPIX		GE	tical resoluti T VPIX VPIX	on inquiry									
Response		<vertical r<="" th=""><th>al resolutio esolution: I , refer to "Er</th><th>Number></th><th>•</th><th></th><th></th><th></th><th></th><th>Number</th></vertical>	al resolutio esolution: I , refer to "Er	Number>	•					Number				
Description	-1 This inqu the same A "busy" (Refer to With son -2 The hori	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	0,100	SX7 01.01**	SX60 01.01**	X700 01.01**										

Mode	I	Pow	er					Input					Mo	de	Remarks
	OF	ON	PM	D-RGB									Remote	Local	Remarks
SX50	×		×				×	×	×	-	-	×		×	
SX7	×		×				×	×	×	×	×	×		×	
SX60	1														
X700															

^{*} 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 Refere	ence											
Function	Input signal inquiry													
Format	GET SEL													
Format	? SEL													
	· GEE													
Response	g:SEL= <input id="" signal:=""/>													
	Input signal Rema	arks												
	PAL PAL-M,PAL-N included	-												
	SECAM													
	NTSC NTSC4.43 included													
	1080i 540p (1080i non-interlaced signals) included													
	720p	ID)											
	575p													
	480p	d signals) included												
	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.													
Description	This inquires about the current input signals.													
	-1 This inquiry can be made when the projector is ir	both the remote mode and power-on status	at											
	the same time.	,												
	A "busy" response is given while the zoom or foo	us lens is being driven.												
	(Refer to the ZCONTDRV command and FCONT													
	With some input signals, it may not be possible to													
	-2 The input signals can be selected by the SEL co	mmand.												
Example	> GET SEL or ? SEL													
Example	< g:SEL=575p													
	1 9.011 0.04													
	* Commands are indicated by ">", and responses are indica	ted by "<".												
Commands	SX50 SX7 SX60 X700													
supported	01.00** 01.01** 01.01** 01.01**													

N	/lodel	F	owe	r					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
S	SX50	×		×	×	×	×				-	-	×		×	
	SX7	×		×	×	×	×				×	×	×		×	
S	SX60															
>	X700															

^{*} 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.

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	GET A	SPEC	T					Mode	Control Setting	Reference					
Function	Screen settin	g inquiry													
Format		GET ASPECT ? ASPECT q:ASPECT= <screen setting:[d=""></screen>													
Response	g:ASPE0	g:ASPECT= <screen setting:id=""> Errors supported by model</screen>													
	Paramot	er Meanin	a		Erro	rs suppo	rted by m	nodel]						
	Faramet	AUTO Auto													
	IRUE														
	-1 This inqu the same A "busy" (Refer to With som -2 The scree	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	< g:ASPEC	> GET ASPECT or ? ASPECT < g:ASPECT=TRUE Commands are indicated by ">", and responses are indicated by "<".													
Commands	SX50	SX7	SX60	X700											
supported	01.00**	01.01**	01.01**	01.01**	ļ										
					<u> </u>		l								

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 II	MAGE						Mode	Control Sett	Reference					
Function	Image mod	e inquiry													
Format	GET I														
Response	g:IMAG	E= <image< th=""><th>mode:ID></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></image<>	mode:ID>												
	Б.		Maria		Erro	ors suppo	orted by m	nodel	1						
	Pa	rameter	Meani	ing	SX50	SX6	SX60	X600							
	STA	NDARD	Standard												
	PRES	ENTATION	Presentatio	n											
	CI	CINEMA Cinema x x x SRGB sRGB ID ADOBE ADOBE RGB x x x													
	5														
		10VIE	Movie		×	×									
	MOVIE_PHOTO Movie & Photo x x x HOME CINEMA Home theater x x														
	HOME_CINEMA Home theater														
	For all other responses, refer to "Error List." This inquires about the current image mode.														
	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	< g:IMAG	IAGE or ? IN E=CINEMA are indicated		esponses	are indic	cated by '	"<".								
Commands	SX50	SX7	SX60	X700											
supported	01.00**	01.01**	01.01**	01.01*	*										

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 R	Reference													
Function	Brightness value setting inquiry														
Format	GET BRI ? BRI														
Response	g:BRI= <brightness;number></brightness;number>														
	For all other responses, refer to "Error List."														
Description	is 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															
	< g:BRI=-10														
	* Commands are indicated by ">", and responses are indicated by "<".														
Commands	SX50 SX7 SX60 X700														
supported	01.00** 01.01** 01.01** 01.01**														

Model		Powe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 C	CONT				M	ode	Control	Setting	Reference					
Function	Contrast va	llue setting in	nquiry												
Format	GET (
Response	g:CON	T= <contras< th=""><th>t value: Nu</th><th>mber></th><th></th><th></th><th></th><th></th><th></th><th></th></contras<>	t value: Nu	mber>											
	For all othe	all other responses, refer to "Error List." Number													
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	< g:CON	> GET CONT or ? CONT < g:CONT=3 Commands are indicated by ">", and responses are indicated by "<".													
Commands		SX7	SX60	X700						_					
supported	01.00**	01.01**	01.01**	01.01**			<u> </u>								

Model		Powe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 SI	HARP				M	ode	Control	Setting	Reference					
Function	Sharpness va	alue setting	inquiry												
Format	GET SI ? SHA														
Response	g;SHARI	P= <sharpr< th=""><th>ness setting</th><th>g: Number></th><th></th><th></th><th></th><th></th><th></th><th></th></sharpr<>	ness setting	g: Number>											
	For all other i	all other responses, refer to "Error List." Number singuires about the current sharpness value setting.													
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	SX50	SX7	SX60	X700											
supported	01.01**	01.01**	01.01**	01.01**											
							1								

Model	I	Powe	r					Input				Mo	de	Remarks
	OFF	ON	PM	D-RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART None Remote Local								Local	Remarks	
SX50	×		×							-	-		×	
SX7	×		×										×	
SX60														
X700														

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

^{* &}quot;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=""></gamma>	
	For all other responses, refer to "Error List."	Number
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 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.	status at
Example	> GET GAMMA or ? GAMMA < g:GAMMA=3 * Commands are indicated by ">", and responses are indicated by "<".	
Commands supported	SX50 SX7 SX60 X700 01.00** 01.01** 01.01**	

Model		Powe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 D	GAMN	ΛA			A	lode	Control	Setting	Reference
Function	Dynamic gar	nma value	setting inqui	ry						
Format	? DGA	GAMMA MMA								
Response	g:DGAM Setting 0 1 For all other	Off On	<u>g</u>	ror List."						ID
Description	-1 This inqu the same A "busy" (Refer to	uiry can be e time. response i o the ZCON	current dyna made when is given while ITDRV comma na setting va	the projectors the zoom mand and F	or is in both or focus len CONTDRV	the remote as is being d command.)	Iriven			status at
Example	> GET DG < g:DGAM * Commands a	MA=1	P DGAMMA by ">", and re	esponses are	indicated by	"<".				
Commands supported	0,100	SX7 01.01**	SX60 01.01**	X700 01.01**						

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-			×		
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	GET PR	OG						Mode	Control Setting	Reference
Function	Progressive va	alue settir	ng inquiry							
Format	GET PRO									
Response	g:PROG=	<set (sta<="" th=""><th>tus) value:</th><th>ID></th><th></th><th></th><th></th><th></th><th>_</th><th></th></set>	tus) value:	ID>					_	
	Response		Meaning	-	SX50	ors suppo	orted by m SX60	X600	-	
	0	Off On								ID
	2	AUTO			×				<u> </u>	
	For all other re	sponses	, refer to "Er	ror List."						
Description	This inquires a	bout the	current prog	ressive (status)	value s	et.		-	
Suggest	(Refer to t With some -2 The signifi Mode SX50 SX60 X600 -3 The progre	esponse in Exponse in	ance of resp lless of the p ssive conver- sing function prifies the pr	mand an not be p e differs conse cons conse conse conse conse cons conse conse cons cons cons cons cons cons conse	d FCOr ossible slightly ve setting essing orking.	ntDRV to make depend	comman e this inq ing on th " is indic i is worki	add.) juiry. ne mode ated whing; "OF		hen the
Example	> GET PRO < g:PROG='	1		esponses	are indic	cated by '	'<".			
Commands supported	SX50	SX7	SX60	X700						
supported	01.00**	01.01**	01.01**	01.01*						

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×	×	x x x x x									×	
SX7	×		×	×	×	×				×	×	×		×	
SX60															
X700															

^{*} 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 W	В					Mode	Control	Setting	Reference		
Function	Screen color of	correction	inquiry									
Format	GET WE ? WB	3										
Response	Response NORMAL GREENB ADJUST For all other re	OARE esponses,		ror List."						ID		
Description	,	ry can be time. response inthe ZCON	made when s given while TDRV comi	the projector the zoom mand and F	or is in both or focus lea CONTDRV	ns is being / comman	g driven	-	ower-on	status at		
Example	> GET WB or ? WB < g:WB=GREENBOARD * Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50 01.00**	SX7 01.01**	SX60 01.01**	X700 01.01**								

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×							-			×		
SX7	×		×											×	
SX60															
X700															

^{*} 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 Refu	erence											
Function	Screen color correction (adjustment) inquiry												
Format	GET WBRGB ? WBRGB												
Response	adjustment value: Number>	umber											
Description	his 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	5/100 5/100 7/100												
supported	01.00** 01.01** 01.01**												

Ouppo.		O O		ia Otato											
Model	ı	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 number="" saturation="" setting:="" value=""> For all other responses, refer to "Error List."</color>	Number											
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 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.	status at											
Example	> GET SAT or ? SAT < g:SAT=1 Commands are indicated by ">", and responses are indicated by "<".												
Commands supported	SX50 SX7 SX60 X700 01.00** 01.01** 01.01** 01.01*												

Опррог	iou .	0011	iiiiai	ia Otato	•										
Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×		×	×	×	×				-	-			×	
SX7	×		×	×	×	×				×	×			×	
SX60															
X700															

^{*} 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			Me	de Con	trol Setting	Reference							
Function	Hue value setting inquiry													
Format	GET HUE													
	? HUE	· · · · · ·												
Response	g:HUE= <hue setting:number="" value=""></hue>													
	all other responses, refer to "Error List."													
	, ,													
Description	This inquires about the current hue	is inquires about the current hue value set.												
	-1 This inquiry can be made whe	n the projecto	or is in both t	he remote n	node and	power-or	status at							
	the same time.		, ,											
	A "busy" response is given wh (Refer to the ZCONTDRV comm				ven.									
	With some input signals, it ma	y not be poss												
	-2 The hue can be set by the HU	E command.												
Example	> GET HUE or ? HUE													
	< g:HUE=1													
	* Commands are indicated by ">", and responses are indicated by "<".													
Commands	SX50 SX7 SX60	X700	,											
supported	01.00** 01.01** 01.01**	01.01**												

_	Supported Command States															
	Model	Е	Powe	er					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
ı	SX50			_					-	-						
	3/20	×		×	×	×	×	-			T -	_	×		×	
	SX7								-	-						
	SX60	×		×	×	×	×				×	×			×	
	X700							-					×		• •	

^{*} 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.

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	GET R	GBGAII	N				Mode	Control	Setting	Reference				
Function	RGB gain ad	ljustment val	ue inquiry											
Format		GBGAIN GAIN												
Response		g:RGBGAIN= <r adjustment="" value:number=""> <g adjustment="" value:number=""> <b adjustment="" value:number=""> Number></g></r>												
	For all other	all other responses, refer to "Error List."												
Description	This command is used to inquire about the current RGB gain adjustment values.													
	the sam Howeve (Refu (2) The RG	(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													
		re indicated by			cated by "<".	ı	1							
Commands	SX50	SX7	SX60	X700										
supported	01.00** ×	01.00** 01.01** 01.01** 01.01**												
		and is not sup	oorted. "e:000	A INVALID PA	RAMETER" is	returned.	l .							

Supported Command States															
Model	Pow	er su	pply					Input					Mo	de	Remarks
	OFF ON PM D-RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART										None	Remote	Local	Remarks	
SX50	-	•	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 RGBOFF	SET				Mode	Control	Setting	Reference					
Function	RGB offset adjustment	alue inquiry												
Format	GET RGBOFFSET ? RGBOFFSET													
Response		g:RGBOFFSET= <r adjustment="" number="" value:=""> <g adjustment="" number="" value:=""> <b adjustment="" number="" value:=""> Number></g></r>												
	For all other responses,	all other responses, refer to "Error List."												
Description	his command is used to inquire about the current RGB offset adjustment values.													
	the same time. However, a "busy" (Refer to the ZC (2) The RGB offset can	(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 of < g:RGBOFFSET=-10		SET											
	*Commands are indicated by ">", and responses are indicated by "<".													
Commands	SX50 SX7	SX60	X700											
supported	01.00** 01.01** 01.01** 01.01**													
	When a command is not sup	ported, "e:000	a invalid_pa	RAMETER" is	returned.									

	Model Power supply Input Mode															
N	/lodel	Pow	er su	ıpply					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
5	SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SX7	×		×											×	
S	SX60															
>	X700															

^{*}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 A	CADJ	UST				Mode	Control	Setting	Reference			
Function	Advanced c	olor adjustn	nent inquiry										
Format	GET A	ACADJUST											
	? ACA	ADJUST											
Baananaa	4041	DILIOT D	(-'lf - l'										
Response	g:ACAI)JUS1= <d6< th=""><th></th><th>ustment;ID:</th><th>></th><th></th><th></th><th></th><th></th><th></th></d6<>		ustment;ID:	>								
		of adjustme											
	NOCOF		No adju										
	MEM_L			emory color a									
	MEM_N				lor adjustme	ent				ID			
	MEM_F	ł		emory color	adjustment								
	6AX		6-axis a	adjustment									
		or all other responses, refer to "Error List."											
Description	This inquire	s about the	details of the	e current ad	anced color	adjustr	ment.						
	the sam A "busy (Refer t -2 The adv	ne time. " response in the ZCON ranced color	s given whil TDRV comma adjustment	e the zoom of and and FCO t can be set	r is in both the or focus lens NTDRV common the ACAD	is bein	g driven		ower-on	status at			
Example	-	CADJUST or		ST									
	< g:ACAE	JUST=6AX											
	* Commor-1-	ara indiaat	h ". " on -!		indicated by "	."							
Commands		SX7	SX60	X700	indicated by "<	< .		1					
supported	0.100	01.01**	01.01**	01.01**									
Capportou	01.00	VI.01	VI.01	V1.01									
	When a comr				_PARAMETE	R" is retu	ırned.						

Cupperior Communication															
Model	F	owe	r					Input					Mo	de	Remarks
											None	Remote	Local	INCIliains	
SX50	×		×	×	×	×				-	-			×	
SX7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX60															
X700															

^{*} 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 Settin	Reference											
Function	Memory color adjustment setting inquiry												
Format	GET MEMCADJ ? MEMCADJ												
Response	g:MEMCADJ= <details adjustment:id="" of=""></details>												
	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												
	or all other responses, refer to "Error List."												
Description	This command is used to inquire about the current memory color adjustment setting.												
	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 memory color adjustment can be set using the MEMCADJ command.	(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.)											
Example	> GET MEMCADJ or ? MEMCADJ												
	< g:MEMCADJ=MEM_M												
	*Commands are indicated by ">", and responses are indicated by "<".												
0	21/2												
Commands supported													
Supported	x												
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.												

Supported Command States															
Model								Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Romanks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 Set	ting Reference											
Function	6-axis adjustment ON/OFF inquiry												
Format	GET 6AXADJ ? 6AXADJ												
Response	g:6AXADJ= <setting:id> Setting Meaning ON This sets the 6-axis adjustment to ON. OFF This sets the 6-axis adjustment to OFF. or all other responses, refer to "Error List."</setting:id>												
Description	This command is used to inquire whether the 6-axis adjustment is ON or OFF. (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) ON or OFF for the 6-axis adjustment can be set using the 6AXADJ command.												
Example	> GET 6AXADJ or ? 6AXADJ < g:6AXADJ=ON *Commands are indicated by ">", and responses are indicated by "<".												
Commands supported	SX50												

Caption Command States															
Model	Pow	er su	pply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 G setting inquiry B setting inquiry C setting inquiry M setting inquiry Y setting inquiry GET 6AXR GET 6AXG GET 6AXB GET 6AXC GET 6AXM GET 6AXY ? 6AXR ? 6AXB ? 6AXC ? 6AXM ? 6AXY													
Response	g:6AXR(G,B,C,M,Y)= <hue number="" value:=""> <color number="" saturation:=""> r all other responses, refer to "Error List."</color></hue>													
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	57.00													

очрро.	orted Community Clares														
Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	Video S-Video D-Video SCART None					Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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				N	lode	Control	Setting	Reference						
Function	Lamp output setting in	quiry													
Format	GET LAMP ? LAMP														
Response	g:LAMP= <setting all="" for="" meani="" norma="" normal="" other="" response<="" setting="" silent="" th="" =""><th>ng al cooling</th><th>ror List."</th><th></th><th></th><th></th><th></th><th></th><th>D</th></setting>	ng al cooling	ror List."						D						
Description	-1 This inquiry can be the same time. A "busy" response (Refer to the ZCOI	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													
Example	> GET LAMP or ? L. < g:LAMP=NORMA * Commands are indicate	L	esponses are	indicated by "	'<".										
Commands supported	G. 100	SX60 01.01**	X700 01.01**												

Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 VK	S/HK	S				Mode	Control	Setting	Reference				
Function	Vertical/horizont	tal keyst	one setting	inquiry										
Format	Vertical keysto GET VKS ? VKS			Horizontal ke GET HKS ? HKS	ystone setting	g inquiry								
Response	g:VKS= <ve g:HKS=<ho For all other res</ho </ve 	orizonta	l keystone	setting: Nu						Number				
Description	These inquire at -1 This inquiry the same tin A "busy" res (Refer to the -2 The vertical respectively	can be r ne. sponse is e ZCONT and hor	made when s given while DRV comma	the projector e the zoom and and FCO	or is in both to or focus lens NTDRV com	the remo ns is being mand.)	te mod							
Example	< g:VKS=-23	GET VKS or ? VKS c g:VKS=-23 ommands are indicated by ">", and responses are indicated by "<".												
Commands supported	07.00	SX7 1.01**	SX60 01.01**	X700 01.01**										

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remaiks
SX50	×		×							_	-	×		×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 A	VOL				Me	ode	Control	Setting	Reference
Function	Audio volum	e setting in	quiry							
Format	GET A									
Response	g:AVOL	.= <volume< th=""><th>setting: Nu</th><th>mber></th><th></th><th></th><th></th><th></th><th></th><th></th></volume<>	setting: Nu	mber>						
	For all other	responses,	refer to "Er	ror List."						Number
Description	-1 This inq the sam A "busy' (Refer to	uiry can be e time. ' response i o the ZCON	made when s given whil TDRV comi	the projecto	or is in both or focus len CONTDRV	the remote r s is being dr command.)		-	ower-on	status at
Example	> GET AV < g:AVOL:			esponses are	indicated by	"<".				
Commands	0.100	SX7	SX60	X700						
supported	01.00**	01.01**	01.01**	01.01**						
	<u> </u>					<u> </u>	<u> </u>		<u> </u>	

			_												
Model		Powe						Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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				M	ode	Control	Setting	Reference						
Function	Mute control setting in	Mute control setting inquiry													
Format	GET MUTE ? MUTE														
Response		ing urns off the au eturns the aud	dio/beep sou		ginal setting				ID						
Description	This inquires about th -1 This inquiry can b the same time. A "busy" response (Refer to the ZCC -2 Mute control can	e made when e is given whil ONTDRV comi	the projectore the zoom mand and F	or is in both to or focus lens CONTDRV (s is being dr		•	ower-on	status at						
Example	> GET MUTE or ? N < g:MUTE=ON * Commands are indicate		esponses are	indicated by "	'<".										
Commands supported	0,100	SX60 01.01**	X700 01.01**												

Model	F	Powe	r		·			Input		·			Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×												
SX60															
X700															

^{*} 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 Refere	ence													
Function	Beep sound value setting inquiry														
Format	GET BVOL ? BVOL														
Response	g:BVOL= <setting id=""> Setting Meaning</setting>														
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 the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the <u>ZCONTDRV command</u> and FCONTDRV command.) -2 The beep sound can be set using the BVOL command.	at													
Example	> GET BVOL or ? BVOL < g:BVOL=ON * Commands are indicated by ">", and responses are indicated by "<".	g:BVOL=ON													
Commands supported	5														

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 II	MAGE	FLIP			Mo	de Control	Setting	Reference
Function	Flip display								
Format		MAGEFLIP .GEFLIP							
Response	g:IMAG	EFLIP= <se< th=""><th>etting:ID></th><th></th><th></th><th></th><th></th><th></th><th></th></se<>	etting:ID>						
	S	etting	Meani	ng	Rem	narks			
	N	IONE	None						
		EILING	Ceiling		lip horizontally	1			ın.
	-	REAR	Rear		lip vertically				ID
	REAR	_CEILING	Rear ceiling	F	lip horizontally	and vertical	У		
			, refer to "Eri						
Description	-1 This inq the sam A "busy (Refer t	uiry can be ne time. " response to the ZCON display can	made when is given while ITDRV comr be set using	the proje e the zoo mand and g the IMA	ctor is in both t m or focus lens FCONTDRV (GEFLIP comm	s is being driv	•	ower-on	status at
Example	< g:IMAG	EFLIP=REA	r ? IMAGEFI AR_CEILING I by ">", and re	i	re indicated by "	'<".			
Commands	SX50	SX7	SX60	X700					
supported	01.00**	01.01**	01.01**	01.01**					
				·					
	•	•		•		•	•	="	

 uppoi	icu	COII	iiiiai	ia Ciaic	J										
Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 R	Reference
Function	Power management setting inquiry	
Format	GET PMM ? PMM	
Response	g:PMM= <setting:id></setting:id>	
	Setting Meaning	
	OFF Off	
	STANDBY Standby mode EXIT Exit mode	ID
	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 st 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.	status at
Example		
	< g:PMM=EXIT	
	* Commands are indicated by ">", and responses are indicated by "<".	
Commands	SX50 SX7 SX60 X700	
supported	01.00** 01.01** 01.01** 01.01**	

Model		owe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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.

GET P	JON					Mode	Control Settin	Reference					
Screen disp	layed at sta	rtup setting	inquiry										
g:PJON	l= <setting:< th=""><th>ID></th><th></th><th></th><th></th><th></th><th></th><th></th></setting:<>	ID>											
	0	<u> </u>											
								ID					
	SKIP No display LOGO User screen												
	000.00												
For all other	responses,	refer to "Er	ror List."										
This inquire	s about the	current setti	ng for the s	creen to be	displayed	at star	tup.						
the sam A "busy (Refer t	ie time. " response in the ZCON ting for the s	s given while ITDRV comi screen displa	e the zoom mand and F	or focus ler	ns is being command	driven .)		n status at					
		NC											
< g:PJON	=5KIP												
* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".								
SX50	SX7	SX60	X700										
01.00**	01.01**	01.01**	01.01**										
				1									
	GET F ? PJO g:PJON Settin CANC SKIF LOGO For all other This inquire -1 This inquire -1 This inquire -2 The settin GET PJ < g:PJON * Commands SX50	GET PJON ? PJON ? PJON g:PJON= <setting: "busy"="" (refer="" -1="" -2="" a="" about="" all="" be="" can="" canon="" disp="" for="" i="" inquires="" inquiry="" logo="" meanin="" no="" other="" response="" responses,="" s="" same="" setting="" skip="" so="" the="" this="" time.="" to="" user="" zcon=""> GET PJON or ? PJO < g:PJON=SKIP * Commands are indicated SX50 SX7</setting:>	GET PJON ? PJON g:PJON= <setting:id> Setting Meaning CANON Canon logo SKIP No display LOGO User screen For all other responses, refer to "Err This inquires about the current setti -1 This inquiry can be made when the same time. A "busy" response is given while (Refer to the ZCONTDRV commits of the setting for the screen display -2 The setting for the screen display -3 GET PJON or ? PJON -4 G:PJON=SKIP * Commands are indicated by ">", and response is given while (Refer to the ZCONTDRV commits of the screen display -4 Commands are indicated by ">", and response indicated by ">", and res</setting:id>	GET PJON ? PJON g:PJON= <setting:id> Setting Meaning</setting:id>	GET PJON ? PJON g:PJON= <setting:id> Setting Meaning CANON Canon logo SKIP No display LOGO User screen For all other responses, refer to "Error List." This inquires about the current setting for the screen to be -1 This inquiry can be made when the projector is in both the same time. A "busy" response is given while the zoom or focus ler (Refer to the ZCONTDRV command and FCONTDRV -2 The setting for the screen displayed at startup can be SET PJON or ? PJON G:PJON=SKIP * Commands are indicated by ">", and responses are indicated by SX50 SX7 SX60 X700</setting:id>	GET PJON ? PJON ? PJON g:PJON= <setting:id> Setting Meaning</setting:id>	GET PJON ? PJON g:PJON= <setting:id> Setting Meaning</setting:id>	GET PJON ? PJON g:PJON= <setting:id> Setting Meaning</setting:id>					

M	odel	F	Powe	er					Input					Mo	de	Demonde
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
S	X50	×		×							-	-			×	
S	SX7	×		×											×	
S	X60															
X	700															

^{*} 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 Settin	Reference											
Function	Screen displayed at startup with no signals setting inquiry												
Format	GET NOSIG ? NOSIG												
Response	g:NOSIG= <setting :id=""> Setting Meaning BLACK Black screen BLUE Blue screen LOGO User screen For all other responses, refer to "Error List."</setting>	ID											
Description	This inquires about the current setting for the screen to be displayed when there are no signal signal. -1 This inquiry can be made when the projector is in both the remote mode and power-or 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	5.11												

Model		Powe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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.

	GET NOSHOW Mode Control Setting	Reference											
Function	Display screen when nothing is shown setting inquiry												
Format	GET NOSHOW ? NOSHOW												
Response	g:NOSHOW= <setting:id> Setting Meaning BLACK Black screen BLUE Blue screen LOGO User screen For all other responses, refer to "Error List."</setting:id>	ID											
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-or 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.)	n status at											
Example	> GET NOSHOW or ? NOSHOW < g:NOSHOW=LOGO * Commands are indicated by ">", and responses are indicated by "<".												
Commands supported	SX50 SX7 SX60 X700 01.00** 01.01** 01.01** 01.01**												

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 L	.OGOF	POS			N	lode Contro	Setting	Reference
Function	User image	position inc	quiry						
Format		LOGOPOS GOPOS							
Response	g:LOG	OPOS= <se< th=""><th>tting:ID></th><th></th><th></th><th></th><th></th><th></th><th></th></se<>	tting:ID>						
	S	etting	Mean	ing					
	UP	PER_L	Upper left						
		PER_R	Upper right						
		NTER	Center						ID
		WER_L	Lower left						
	LO	WER_R	Lower right						
Description			, refer to "Er		ogo) display	position			
	the san A "busy (Refer -2 An inqu (The er -3 The use	ne time. " response to the ZCON iry cannot b ror "e:1002 er image pos	is given whil NTDRV comme made if th NO_LOGO_ sition can be	e the zoon mand and e user ima CAPTURE s set by the	m or focus le FCONTDR\ age has not l ED" is return	,	riven.	oower-or	status at
Example	< g:LOG0	OPOS=LOW	· ? LOGOPO /ER_L I by ">", and re		re indicated b	y "<".			
Commands		SX7	SX60	X700					
supported	01.00**	01.01**	01.01**	01.01**					

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 LA	NG				Mode	Control Setting	Reference			
	Language inqu							<u> </u>			
Format	GET LAN	IG									
	? LANG										
Response	g:LANG=<	Language:ID>									
	Language	Meaning	SX50	ors suppo	orted by m	x600					
	ENG	English									
	FRA	French					1				
	GER	German									
	ITA	Italian									
	SPA	Spanish									
	POR	Portuguese									
	SWE	Swedish									
	DUT	Dutch									
	RUS	Russian	D.								
	CHS	Chinese (simplified	,					ID			
	CHT	Chinese (traditiona	ıl)								
	KOR	Korean									
	JPN	Japanese									
	FIN	Finnish	×								
	NOR TUR	Norwegian Turkish	×								
	POL	Polish	×								
	HUN	Hungarian	×								
	CZE	Czech	×								
	DAN	Danish	× ×	-							
	DAN	Danish									
	For all other re	sponses, refer to "E	rror List."								
Description	This inquires al	bout the current lang	guage selection.					<u> </u>			
	-1 This inquir	/ can be made wher	the projector is	in both	the rem o	te mod	e and power-or	status at			
	the same ti		p. 0,00000	20			o ana ponon on	· otatao at			
		sponse is given whi	le the zoom or fo	cus len	s is bein	g driven					
		ne ZCONTDRV comm									
	-2 The language can be set by the LANG command.										
	_										
Example	> GET LANG										
	< g:LANG=S	VVE									
	* Commands are	indicated by ">", and i	responses are indi	cated by '	'<".						
Commands	SX50	SX7 SX60	X700			l					
supported		01.01**	01.01**								
	ı										

Model	F	owe	r					Input					Mo	Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 T	ERMIN	NAL			Mo	de	Control	Setting	Reference			
Function	Terminal se	etting inquiry											
Format	<u> </u>	TERMINAL RMINAL											
Response	Settir IN OUT	This set	g ts to input ts to output	ror List."						D			
Description	-1 This inc the sam A "busy (Refer	quiry can be ne time. " response i	made when s given whil ITDRV comi	the projector e the zoom mand and F	or is in both the or focus lens CONTDRV contommand.	is being driv		•	ower-on	status at			
Example	< g:TERN	> GET TERMINAL or ? TERMINAL < g:TERMINAL=OUT Commands are indicated by ">", and responses are indicated by "<".											
Commands	0,100	SX7	SX60	X700									
supported	01.00**	01.01**	01.01**	01.01**									
	When a com	X mand is not su	x innorted "o:0	X X	PARAMETER	0" ic returned							
	vvnen a com	mand is not si	apported, "e:0	UUA INVALID	_PAKAMETER	k" is returned							

Model	Parameter	F	owe	er					Input					Mo	Mode	
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	IN	×		×							-	-			×	
3/30	OUT	×		×			×	×			-	-			×	
SX7																
SX60	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	
X700																

^{*} 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 ? KEYLOCK													
Response	g:KEYLOCK= <setting:id> Setting Meaning OFF No locking (OFF) MAIN Main key lock RC Remote control key lock For all other responses, refer to "Frror List"</setting:id>													
Description	This inquires about the current key lock setting.	For all other responses, refer to "Error List."												
Description	-1 This inquiry can be made when the projector is in both the ren the same time. A "busy" response is given while the zoom or focus lens is bei (Refer to the ZCONTDRV command and FCONTDRV comma-2 Key lock can be set by the KEYLOCK command.	ng driven	•	ower-on	status at									
Example	> GET KEYLOCK or ? KEYLOCK < g:KEYLOCK=OFF Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	SX50 SX7 SX60 X700													

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 F	Reference										
Function	Remote control setting inquiry											
Format	GET RCCH ? RCCH											
Response	g:RCCH= <setting:id> Setting Meaning</setting:id>	ID										
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 set 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.	status at										
Example	> GET RCCH or ? RCCH This inquires about the current remote control setting. < g:RCCH=1 * Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	5/100 7/100											

Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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 Se	Reference										
Function	Guide setting inquiry											
Format	GET GUIDE ? GUIDE											
Response	g:GUIDE= <setting:id> Setting Meaning</setting:id>	ID										
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 stat 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.	us at										
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												

Ouppo.		, 0,,,,,													
Model	Pow	er su	ıpply					Input		·			Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	_	_	_	-	-	_	_	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 Co	ontrol Setti	ng Reference
Function	Direct power-on setting inquiry		
Format	GET DPON ? DPON		
Response	g:DPON= <setting:id> Setting Meaning</setting:id>		ID
Description	This command is used to inquire about the current direct power-on setting. (1) This inquiry can be made when the projector is in both the remote mode and power 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) Direct power-on can be set using the DPON command.	r-on status	s at
Example	> GET DPON or ? DPON < g:DPON=OFF *Commands are indicated by ">", and responses are indicated by "<".		
Commands supported	SX50		

Mode	el F	owe	er su	pply					Input					Mo	de	Remarks
	C	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50)	-	-	-	-	-	_	_	_	_	-	-	-	_	_	
SX7	'	×		×											×	
SX60	0															
X700)															

^{*}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></setting:id>	
	OFF This sets the LED display to OFF.	ID
	For all other responses, refer to "Error List."	
Description	This command is used to inquire about the current emotional LED and signal sensing LED lighting cont settings.	trol
	(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) LED lighting control can be set using the LEDILLUMINATE command.	
Example	> GET LEDILLUMINATE or ? LEDILLUMINATE < g:LEDILLUMINATE=OFF	
	*Commands are indicated by ">", and responses are indicated by "<".	
Commands supported		
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.	

Оцрр	, O	<i>-</i>	· • · · · · · ·	ilaila	Otatos											
Mod									Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Romano
SX5	50	-	-	_	-	_	_	-	-	-	-	-	-	-	_	
SX	7	×		×											×	
SX	60															
X70	00															

^{*}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 ? NOSHOWSTATE												
Response	g:NOSHOWSTATE= <status:id> Status Meaning</status:id>		I D										
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 ZCONTDRV command and FCONTDRV command.) (2) No show status ON/OFF is controlled using the "RC NOSHOW" command in the local model.	de. (To	ggling)										
Example	> GET NOSHOWSTATE or ? NOSHOWSTATE < g:NOSHOWSTATE=ON Commands are indicated by ">", and responses are indicated by "<".												
Commands supported													

					Otatoo											
Mod			er su						Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Romano
SX	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX	< 7	×		×												
SX	60															
X7	00															

^{*} 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 Set	ting Reference
Function	Freeze status inquiry	
Format	GET FREEZE ? FREEZE	
Response	g:FREEZE= <status:id> Status Meaning ON Image now frozen OFF Image now not frozen For all other responses, refer to "Error List."</status:id>	ID
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 ZCONTDRV command and FCONTDRV command.) (2) Freeze status ON/OFF is controlled using the "RC FREEZE" command in the local mode. (T	oggling)
Example	> GET FREEZE or ? FREEZE < g:FREEZE=ON *Commands are indicated by ">", and responses are indicated by "<".	
Commands supported		

Support	.eu c	UIIIIU	Hallu	States											
Model								Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Romano
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×												
SX60															
X700															

^{*} 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 S	SIGNAL	LSTAT	US		Me	ode C	Control Setting	Reference
Function	Signal statu	is inquiry							
Format	_	SIGNALSTA NALSTATU							
Response	g:SIGN	ALSTATUS	S= <signal s<="" th=""><th>tatus:ID></th><th></th><th></th><th></th><th></th><th></th></signal>	tatus:ID>					
		gnal status			Meaning				
	DIS	_SIGNAL FLAYING FTING	Signal not of Image now Signal dete		r display en splay prepai	able status ration in pro	gress		ID
	For all othe	r responses,	, refer to "Er	ror List."					
Description	This inquire	s about the	current imag	ge signal inp	ut status.				
	A "busy (Refer For the -2 This ret -3 Even if Check t -4 Similarl Check t To clea	" response in the ZCON "SX50," the urns the signithe status is the status us y, the image the status us r no show, e	is given whill NTDRV cominate monal status of Signification of the status of Signification of the status of the status of Signification of the status of the	e the zoom of mand and Finder must be if the selecter NG" (image LANK. To cleaved during DSHOWSTA	or focus len CONTDRV established d input. Use now shown ar the blank "no show". TUS.	s is being dr command.) l. INPUT com	iven. Imand is not	s established. for the input s displayed duri IK=OFF.	
Example				NALSTATU	S				
	< g:SIGN	ALSTATUS:	=NO_SIGNA	AL.					
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".			
Commands		SX7	SX60	X700					
supported	01.00**	01.01**	01.01**	01.01**			-		
		<u> </u>	l	<u> </u>	<u> </u>	<u> </u>			

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×												
SX60															
X700															

^{*} 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 L	AMPC	OUNT	ER			Mode	Control	Setting	Reference
Function	Lamp ON t	ime inquiry								
Format	_	LAMPCOUN MPCOUNTE								
Response	g:LAM	PCOUNTER	=" <lamp o<="" th=""><th>N time: C</th><th>haracter</th><th>string>"</th><th></th><th></th><th></th><th></th></lamp>	N time: C	haracter	string>"				
		ON C		N	leaning (ON time: H))			
	La	mp ON time	SX50		SX7	SX60		X700		
		"[G]"	0 ~	199	0 ~ 359	0 ~	459	0 ~ :	358	
		"[GG]"	200 ~	399 36	0 ~ 719	460 ~	919	360 ~	719	
		'[GGG]"	400 ~		0 ~ 1079	920 ~	1379	720 ~ 1	079	
	"	[GGGG]"	600 ~		0 ~ 1439		1839	1080 ~ 1	119	Character
]"	GGGGG]"	800 ~	999 144	0 ~ 1799	1840 ~	2299	1440 ~ 1	799	string
	"[0	GGGGGY]"	1000 ~ 1		0 ~ 1899		2399	1800 ~ 1	899	
	l I	GGGGGYY_]"		399 19 0	0 ~ 1999			1900 ~ 1	999	
	"[G	GGGGYYR]"	1400 ~	200	0 ~	2500 ~		2000 ~		
		er responses,								
Description	-1 This inc	quiry can be see "SX50," the	executed in projector mu	any status ust be in tl	e remote	•				jector.
Example	< g:LAMI	AMPCOUNTI PCOUNTER= s are indicated	="[GG	_]"		l by "<".				
Commands		SX7	SX60	X700						
supported	01.00**	01.01**	01.01**	01.01**						

Model		Powe						Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7															
SX60															
X700															

^{*} 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 E	ERR					Mo	ode Cor	ntrol Setti	Reference		
Function	Error inform	nation inquiry	у									
Format	GET	EDD										
Format	? ERI											
Response	g:ERR:	= <errorid:ii< th=""><th>D></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></errorid:ii<>	D>									
		_				Frror	s suppo	rted by r	model			
		Error	ID	Meani	ng	SX50	SX6	SX60	X600			
	NO_ERROR No error ABNORMAL_TEMPERATUR Temperature error											
	ABN	NORMAL_TEM	MPERATUR	Temperature	error							
	FAL	JLTY_LAMP		Lamp error								
	FAULTY_LAMP_COVER Lamp cover error FAULTY_COOLING_FAN Cooling fan error											
	FAULTY_COOLING_FAN Cooling fan error FAULTY_POWER_SUPPLY Power supply error											
	FAULTY_POWER_SUPPLY Power supply error FAULTY_AK AK error -											
	FAULTY_AK AK error - FAULTY_ASC ASC error -											
	FAULTY_ASC ASC error - FAULTY_AF AF error -											
	FAULTY_AF AF error - FAULTY_POWER_ZOOM Zoom error -											
				ļ								
	FAULTY_POWER_FOCUS Focus error -											
	For all other responses, refer to "Error List."											
			,									
Description	This inquire	es about the	current erro	r information						•		
				any status p			power	is suppli	ed to the p	orojector.		
				de must be								
			•	ED of the pr	•		•	e obtain	ed.			
	"NO_EI	RROR" is re	turned wher	n the warning	LED is	not light	ted.					
Example	> CET EI	RR or ? ERR)									
Lxample	-	=FAULTY_L										
	\ g.LI\\\-	-17.0211_2	, vivii									
	* Commands	are indicated	by ">", and re	esponses are	indicated	by "<".						
Commands		SX7	SX60	X700		Ť						
supported	01.00**	01.01**	01.01**	01.01**								
	_											

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50										-	_			×	
SX7															
SX60															
X700															

^{*} 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 PRODO	CODE			Mo	ode (Control S	Setting	Reference				
Function	Product information in	quiry											
Format	GET PRODCOD ? PRODCODE	E											
	g:PRODCODE="< Product name SX50 SX6 SX60 X600 For all other responses	s, refer to "Er	ror List."	Ü					Character string				
Description	This inquires about the -1 This inquiry can be For the "SX50," the	e executed in	any status į	orovided tha	•			the pro	jector.				
Example	> GET PRODCODE or ? PRODCODE < g:PRODCODE="SX50" Commands are indicated by ">", and responses are indicated by "<".												
Commands supported	SX50 SX7 01.00** 01.01**	SX60 01.01**	X700 01.01**										

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×							-	-			×	
SX7															
SX60															
X700															

^{*} 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 ROM	IVER			Me	de Control	Setting	Reference
Function	ROM version inqu	ry						
Format	GET ROMVI ? ROMVER	ER						
Response	g:ROMVER="	<rom th="" version<=""><th>l : Charactei</th><th>string>"</th><th></th><th></th><th></th><th></th></rom>	l : Charactei	string>"				
	<rom th="" ve<=""><th>RSION> := 99.99</th><th>99</th><th></th><th></th><th></th><th></th><th>Character string</th></rom>	RSION> := 99.99	99					Character string
	For all other respo	nses, refer to "Er	ror List."					J
Description	This inquires about -1 This inquiry ca For the "SX50	•	any status p	rovided tha	-		-	ojector.
Example	> GET ROMVER < g:ROMVER="							
	* Commands are ind			indicated by '	'< ".		ı	
Commands supported	SX50 SX 01.00** 01.0		X700 01.01**					

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7															
SX60															
X700															

^{*} 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.

GET COMVE	R			Mo	ode C	Control Set	ting	Reference					
User command version i	nquiry												
GET COMVER ? COMVER													
g:COMVER=" <user< th=""><th>command</th><th>l version;C</th><th>haracter st</th><th>ring>"</th><th></th><th></th><th></th><th></th></user<>	command	l version;C	haracter st	ring>"									
<user command<="" th=""><th colspan="13"><user command="" version=""> := 99.9999 Character string</user></th></user>	<user command="" version=""> := 99.9999 Character string</user>												
For all other responses,													
his inquires about the user command version of the projector.													
				•	is sup	plied to the	pro	jector.					
,						ما مدیدها	- 0	westion					
marks may appear ir	n place of th		•			•							
> GET COMVER or ?	COMVER												
< g:COMVER="01.000	00"												
* Commands are indicated by ">" and responses are indicated by "<"													
SX50 SX7	SX60	X700											
01.00** 01.01**	01.01**	01.01**											
					<u> </u>								
	GET COMVER ? COMVER=" <user <ul=""> COMVER="<user< li=""> COMVER=" COMVER=" COMVER=" COMVER=" COMMET COMME</user<></user<></user<></user<></user<></user<></user<></user>	? COMVER=" <user <user="" command="" version="">: For all other responses, refer to "Err This inquires about the user command -1 This inquiry can be executed in For the "SX50," the remote mo -2 The user command version commarks may appear in place of th (Example "??:????") > GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and re SX50 SX7 SX60</user>	User command version inquiry GET COMVER ? COMVER ? COMVER=" <user <user="" c="" command="" version="" version:=""> := 99.9999 For all other responses, refer to "Error List." This inquires about the user command version of the "SX50," the remote mode must be por the "SX50," the remote mode must be the user command version consists of a 2-marks may appear in place of the numerals (Example "??:????") > GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and responses are SX50 SX7 SX60 X700</user>	GET COMVER ? COMVER=" <user character="" command="" st<="" th="" version;=""><th>User command version inquiry GET COMVER ? COMVER ? COMVER="<user character="" command="" string="" version;="">" <user command="" version=""> := 99.9999 For all other responses, refer to "Error List." This inquires about the user command version of the projector. -1 This inquiry can be executed in any status provided that AC power is For the "SX50," the remote mode must be established2 The user command version consists of a 2-digit number followed by marks may appear in place of the numerals if the firmware has not is (Example "??:????") > GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</user></user></th><th>User command version inquiry GET COMVER ? COMVER ? COMVER="<user character="" command="" string="" version;="">" <user command="" version=""> := 99.9999 For all other responses, refer to "Error List." This inquires about the user command version of the projector. -1 This inquiry can be executed in any status provided that AC power is sup For the "SX50," the remote mode must be established2 The user command version consists of a 2-digit number followed by a 4-d marks may appear in place of the numerals if the firmware has not been used (Example "??:????") > GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</user></user></th><th>User command version inquiry GET COMVER ? COMVER ? COMVER g:COMVER="<user character="" command="" string="" version;="">" <user command="" version=""> := 99.9999 For all other responses, refer to "Error List." 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 For the "SX50," the remote mode must be established2 The user command version consists of a 2-digit number followed by a 4-digit number marks may appear in place of the numerals if the firmware has not been upgraded of (Example "??:????") > GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</user></user></th><th>User command version inquiry GET COMVER ? COMVER ? COMVER="<user character="" command="" string="" version:="">" <user command="" version=""> := 99.9999 For all other responses, refer to "Error List." 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 profer the "SX50," the remote mode must be established2 The user command version consists of a 2-digit number followed by a 4-digit number. Q marks may appear in place of the numerals if the firmware has not been upgraded corre (Example "??:????") > GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</user></user></th></user>	User command version inquiry GET COMVER ? COMVER ? COMVER=" <user character="" command="" string="" version;="">" <user command="" version=""> := 99.9999 For all other responses, refer to "Error List." This inquires about the user command version of the projector. -1 This inquiry can be executed in any status provided that AC power is For the "SX50," the remote mode must be established2 The user command version consists of a 2-digit number followed by marks may appear in place of the numerals if the firmware has not is (Example "??:????") > GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</user></user>	User command version inquiry GET COMVER ? COMVER ? COMVER=" <user character="" command="" string="" version;="">" <user command="" version=""> := 99.9999 For all other responses, refer to "Error List." This inquires about the user command version of the projector. -1 This inquiry can be executed in any status provided that AC power is sup For the "SX50," the remote mode must be established2 The user command version consists of a 2-digit number followed by a 4-d marks may appear in place of the numerals if the firmware has not been used (Example "??:????") > GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</user></user>	User command version inquiry GET COMVER ? COMVER ? COMVER g:COMVER=" <user character="" command="" string="" version;="">" <user command="" version=""> := 99.9999 For all other responses, refer to "Error List." 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 For the "SX50," the remote mode must be established2 The user command version consists of a 2-digit number followed by a 4-digit number marks may appear in place of the numerals if the firmware has not been upgraded of (Example "??:????") > GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</user></user>	User command version inquiry GET COMVER ? COMVER ? COMVER=" <user character="" command="" string="" version:="">" <user command="" version=""> := 99.9999 For all other responses, refer to "Error List." 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 profer the "SX50," the remote mode must be established2 The user command version consists of a 2-digit number followed by a 4-digit number. Q marks may appear in place of the numerals if the firmware has not been upgraded corre (Example "??:????") > GET COMVER or ? COMVER < g:COMVER="01.0000" * Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</user></user>					

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50										-	_			×	
SX7															
SX60															
X700															

^{*} 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		Me	ode Control Setting	Reference
Function	Setting range request				
Format	RANGE <paramet< th=""><th>ter></th><th></th><th></th><th></th></paramet<>	ter>			
Parameter					
i arameter	Parameter		Meaning		
	POWER	Power	supply state		
	BLANK	Blank s	etting		
	AUTOSETEXE	Auto se	•		
	INPUT	Input st			
	DOTS TRACK		Total number of dot		
	HPOS	Input	Tracking Horizontal position		
	VPOS	signal	Vertical position		
	HPIX	settings	Horizontal resolution		
	VPIX		Vertical resolution		
	SEL	Input si	gnal		
	ASPECT	Screen			
	IMAGE	Image			
	BRI		ess setting value		
	CONT SHARP		st setting value ess setting value		
	GAMMA		a correction		
	DGAMMA		ic gamma		
	PROG	Progres	ŭ		
	WB		color correction		
	WBRGB	Screen	color correction value (RGB)		
	SAT		aturation setting value		
	HUE		tting value		
	RGBGAIN		ain adjustment		
	RGBOFFSET	_	fset adjustment		
	ACADJUST MEMCADJ		ed color correction method y color correction		
	6AXADJ		adjustment ON/OFF		
	6AXR	U UNIS C	R setting value		ID
	6AXG		G setting value		
	6AXB	6-axis	B setting value		
	6AXC	adjust	C setting value		
	6AXM		M setting value		
	6AXY		Y setting value		
	VKS		keystone distortion values		
	HKS AVOL		tal keystone distortion values adjustment		
	MUTE	Mute st	,		
	BVOL		ound setting status		
	IMAGEFLIP		play status		
	PMM	_	management		
	PJON		screen at startup setting		
	NOSIG		screen when there are no signals set	ting	
	NOSHOW		screen when nothing shown		
	LOGOPOS	_	nage position		
	LANG LAMP	Langua Lamp o			
	TERMINAL		al setting		
	KEYLOCK	Key loc			
	RCCH		control Ch		
	GUIDE	Guide d	display setting		
	DPON		power-on setting		
	LEDILLUMINATE		splay setting		
	ZSTEPDRV	_	tep control		
	ZCONTDRV		continuous control		
	FSTEPDRV FCONTDRV		step control continuous control		
	TOOTTIBILV	ji ocus (Continuous Control		

Response Responses are made in the formats below for each parameter.

<Parameter name>=<Type>, <Setting range>

Туре	Meaning
I	ID
N	Number

The definition of <Setting range> varies depending on the type.

1. When the type is I (ID)

<Setting range>: = <Setting option 1>, <Setting option 2>, <Setting option 3>, <Setting option 4>, ..., <Setting option N>

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>

Description This retrieves the setting range of each parameter.

- -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 POW	/ER			Mo	ode Control	Setting	Reference					
Function	Power control setting opt	ion reques	t										
Format	RANGE POWER												
Response	r:POWER=I, <settin< th=""><th>g option 1</th><th>>, <setting< th=""><th>option 2>,</th><th>, <setting< th=""><th>option n></th><th></th><th></th></setting<></th></setting<></th></settin<>	g option 1	>, <setting< th=""><th>option 2>,</th><th>, <setting< th=""><th>option n></th><th></th><th></th></setting<></th></setting<>	option 2>,	, <setting< th=""><th>option n></th><th></th><th></th></setting<>	option n>							
	For all other responses, i	refer to "Er	ror List."					ID					
Description	nis inquires about the power control setting options.												
	-1 This inquiry can be e A "busy" response is (Refer to the ZCONT With the SX50, the ir -2 The power can be co	given while DRV comm nquiry can b	e the zoom on the	or focus lens CONTDRV of he remote r	s is being dri command.) node only.	• •	o the pro	ojector.					
Example		_											
		< r:POWER=I, ON, OFF Commands are indicated by ">", and responses are indicated by "<".											
Commands	SX50 SX7	SX60	X700										
supported	01.00** 01.01**	01.01**	01.01**										
							j						

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIliains
SX50										-	-			×	
SX7														×	
SX60															
X700															

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

Commands	RANGE BLANK Mode Control Set	ting Reference
Function	BLANK setting option request	
Format	RANGE BLANK	
Response	r:BLANK=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
Description	This command is used to inquire about the parameter options which enable BLANK to be set.	
	(1) This inquiry can be made when the projector is in both the remote mode and power-on statu 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 can be controlled using the BLANK command.	s at the
Example		
	< r:BLANK=I, ON, OFF *Commands are indicated by ">", and responses are indicated by "<".	
Commands supported		
supported	01.00** 01.01** 01.01** 01.01** ×	
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.	

Model	Pow	er su	pply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 Settin	Reference
Function	Auto setup setting option request	
Format	RANGE AUTOSETEXE	
Response	r:AUTOSETEXE=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
Description	This command is used to inquire about the parameter options which enable auto setup to be set. (1) This inquiry can be made when the projector is in both the remote mode and power-on status 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) Auto setup can be controlled using the AUTOSETEXE command.	at the
Example	> RANGE AUTOSETEXE < r:AUTOSETEXE=I, FOCUS, VKS, SCRN, INPUT "Commands are indicated by ">", and responses are indicated by "<".	
Commands supported		
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.	

Model	Pow	er su	pply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
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** SX7 01.01** SX60 01.01** X700 01.01** 01.01** 01.01**	

N	/lodel	F	owe	r					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
S	SX50	×		×							-	-			×	
	SX7	×		×											×	
3	SX60															
	X700															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E DOT	·S			N	lode	Control	Setting	Reference
Function	Total dot nu	ımber settinç	g range inqu	iry						
Format	RANGE	DOTS								
Response	r:DOTS	=N, <minim< th=""><th>um setting</th><th>value>, <m< th=""><th>aximum se</th><th>etting value</th><th>></th><th></th><th></th><th></th></m<></th></minim<>	um setting	value>, <m< th=""><th>aximum se</th><th>etting value</th><th>></th><th></th><th></th><th></th></m<>	aximum se	etting value	>			
	For all othe	r responses,	refer to "Er	ror List."						Number
Description	This inquire	s about the	range within	which the to	otal numbe	r of dots can	be s	et.		
	at the s A "busy (Refer t With so	uiry can be ame time. " response i o the ZCON me input sig al number of	s given while TDRV comn nals, it may	e the zoom on nand and FC not be poss	or focus len CONTDRV ible to mak	is is being di command.) e this inquiry	riven.	•	ower-on	status
Example		=N, 0, 4096								
Commands	* Commands SX50	are indicated	by ">", and re	esponses are X700	indicated by	' "<".			ı	
supported	01.00**	01.01**	01.01**	01.01**						
						1			ı	

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remaiks
SX50	×		×	×			×	×	×	-	-	×		×	
SX7	×		×	×			×	×	×	×	×	×		×	
SX60															
X700															

^{*} 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.

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E TRA	CK			N	lode	Control	Setting	Reference
Function	Tracking ad	ljustment rai	nge request							
Format	RANGE	TRACK								
Response	r:TRAC	K=N, <mini< th=""><th>mum settin</th><th>g value>, <</th><th>Maximum</th><th>setting valu</th><th>ue></th><th></th><th></th><th></th></mini<>	mum settin	g value>, <	Maximum	setting valu	ue>			
	For all othe	r responses,	refer to "Er	ror List."						Number
Description	-1 This inc at the s A "busy (Refer t With so	s about the quiry can be ame time. " response io the ZCON me input sigcking adjusti	made when s given whil TDRV comr nals, it may	the projector e the zoom of mand and FO not be poss	or is in both or focus len CONTDRV ible to mak	the remote s is being d command.) e this inquir	Iriven	•	ower-on	status
Example	< r:TRAC	TRACK K=N, 0, 31 are indicated	by ">", and re	esponses are	indicated by	"<".				
Commands	SX50	SX7	SX60	X700					,	
supported	01.00**	01.01**	01.01**	01.01**			-			
							1			

Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×	×			×	×	×	-	-	×		×	
SX7	×		×	×			×	×	×	×	×	×		×	
SX60															
X700															

^{*} 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 HPOS/VPOS Mode Control Setting Ref	eference
Function	Horizontal/vertical position adjustment range request	
Format	t Horizontal position adjustment range inquiry Vertical position adjustment range inquiry RANGE HPOS RANGE VPOS	
Response	r:HPOS=N, <minimum setting="" value="">, <maximum setting="" value=""> r:VPOS=N, <minimum setting="" value="">, <maximum setting="" value=""></maximum></minimum></maximum></minimum>	
		lumber
	For all other responses, refer to "Error List."	
Description	These inquire about the ranges within which the horizontal and vertical positions can be adjusted	ed.
	-1 This inquiry can be made when the projector is in both the remote mode and power-on stat 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.	atus
Example	> RANGE VPOS < r:VPOS=N, 0, 820	
	* Commands are indicated by ">", and responses are indicated by "<".	
Commands supported	5/100 5/100 7/100	
Сарропеа	01.00 01.01 01.01	

Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×	×			×	×	×	-	-	×		×	
SX7	×		×	×			×	×	×	×	×	×		×	
SX60															
X700															

^{*} 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 H	IPIX/VPIX			Mo	ode Contr	Setting	Reference
Function	Horizontal/vertical	resolution setting	g range requ	est				
Format	Horizontal resol	ution setting range i X	•	esolution setti	ing range inqu	uiry		
Response	•	linimum setting	•		•			
	r:VPIX=N, <n< th=""><th>linimum setting</th><th>value>, <ma< th=""><th>ximum setti</th><th>ing value></th><th></th><th></th><th></th></ma<></th></n<>	linimum setting	value>, <ma< th=""><th>ximum setti</th><th>ing value></th><th></th><th></th><th></th></ma<>	ximum setti	ing value>			
								Number
	For all other response	onses, refer to "Er	ror List."					
Description	These inquire abo	ut the ranges with	nin which the	horizontal a	ınd vertical ı	esolution	s can be s	et.
	-1 This inquiry ca		the projecto	r is in both th	ne remote n	node and	power-or	status
		onse is given whil	e the zoom	or focus lens	is being dri	ven.		
		CONTDRV com			•			
	`	out signals, it may			,			
	-2 The horizonta	0 ,	•				ommands.	
	respectively.			.				
	. ,							
Example	> RANGE VPIX							
	< r:VPIX=N, 0, 1	1000						
		licated by ">", and r		indicated by "<	<".			
Commands	G/100		X700					
supported	01.00** 01.0	01.01**	01.01**					

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×				×	×	×	-	_	×		×	
SX7	×		×				×	×	×	×	×	×		×	
SX60															
X700															

^{*} 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	RANG	E SEL					Mode	Control	Setting	Reference			
Function	Input signal	setting option	on request										
Format	RANGE	SEL											
Response	r:SEL=	I, <setting of<="" th=""><th>option 1>, <</th><th>Setting opt</th><th>ion 2>,,</th><th><setting of<="" th=""><th>ption</th><th>n></th><th></th><th></th></setting></th></setting>	option 1>, <	Setting opt	ion 2>,,	<setting of<="" th=""><th>ption</th><th>n></th><th></th><th></th></setting>	ption	n>					
	For all othe	r responses,	refer to "Er	ror List."						ID			
Description	-1 This inc at the s A "busy (Refer t With so	 This inquires about the parameter options which enable the input signals to be set. 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. The input signals can be selected by the SEL command. 											
Example	< r:SEL=I		by ">", and re	esponses are	indicated by	"<".							
Commands	SX50	SX7	SX60	X700									
supported	01.00**	01.01**	01.01**	01.01**		1							
						1							

Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×	×	×	×				-	-	×		×	
SX7	×		×	×	×	×				×	×	×		×	
SX60															
X700															

^{*} 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.

^{* &}quot;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=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
	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 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 inquiry2 The screen settings can be selected by the ASPECT command.	status
Example	> RANGE ASPECT < r:ASPECT=I, AUTO, NORMAL, WIDE * Commands are indicated by ">", and responses are indicated by "<".	
Commands supported	SX50 SX7 SX60 X700 01.00** 01.01** 01.01** 01.01**	

	_															
Мо			owe						Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX	(50	×		×							-	_			×	
SX	X7	×		×											×	
SX	(60															
X7	00															

^{*} 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.

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANGE IMA	GE			Me	ode C	ontrol Se	tting	Reference
Function	Image mode setting op	tion request							
Format	RANGE IMAGE								
Response	r:IMAGE=I, <settir< th=""><th>g option 1</th><th>, <setting< th=""><th>option 2>, .</th><th>, <setting< th=""><th>optior</th><th>n n></th><th></th><th></th></setting<></th></setting<></th></settir<>	g option 1	, <setting< th=""><th>option 2>, .</th><th>, <setting< th=""><th>optior</th><th>n n></th><th></th><th></th></setting<></th></setting<>	option 2>, .	, <setting< th=""><th>optior</th><th>n n></th><th></th><th></th></setting<>	optior	n n>		
	For all other responses	, refer to "Er	ror List."						ID
Description	This inquires about the	parameter c	ptions whicl	n enable the	e image mod	e to be	e set.		
	-1 This inquiry can be at the same time. A "busy" response (Refer to the ZCON-2 The image mode set	is given whil ITDRV comr	e the zoom	or focus len	s is being dr command.)	iven.	and powe	er-on	status
Example	< r:IMAGE=I, STAND	,		,					
Commands	* Commands are indicated SX50 SX7	by ">", and re	x700	indicated by	"<". T				
supported	01.00** 01.01**	01.01**	01.01**						
	·								

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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.

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 state 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	Commands	RANGE BRI Mode Control Setting Reference
Response r:BRI=N, <minimum setting="" value="">, <maximum setting="" value=""> For all other responses, refer to "Error List." Nu 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 state 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</maximum></minimum>	Function	Brightness setting range request
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 state 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	Format	RANGE BRI
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 state 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	Response	r:BRI=N, <minimum setting="" value="">, <maximum setting="" value=""></maximum></minimum>
-1 This inquiry can be made when the projector is in both the remote mode and power-on state 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.		For all other responses, refer to "Error List."
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	Description	This inquires about the range of values at which the brightness can be set.
		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.
< r:BRI=N, -20, 20	Example	> RANGE BRI < r:BRI=N, -20, 20
* Commands are indicated by ">", and responses are indicated by "<".		
Commands SX50 SX7 SX60 X700		

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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	Γ			Mode	Control Settin	g Reference							
Function	Contrast setting range req	uest												
Format	RANGE CONT r:CONT=N, <minimum setting="" value="">, <maximum setting="" value=""></maximum></minimum>													
Response	r:CONT=N, <minimur< th=""><th>n setting</th><th>value>, <ma< th=""><th>aximum setting</th><th>value></th><th></th><th></th></ma<></th></minimur<>	n setting	value>, <ma< th=""><th>aximum setting</th><th>value></th><th></th><th></th></ma<>	aximum setting	value>									
	For all other responses, re	efer to "Eri	ror List."				Number							
Description	This inquires about the rar	is inquires about the range within which the contrast can be set.												
	-1 This inquiry can be ma at the same time. A "busy" response is g (Refer to the ZCONTE -2 The contrast can be se	given while DRV comn	e the zoom o	r focus lens is be ONTDRV comm	eing driven.	-	n status							
Example	> RANGE CONT													
	, , , ,	< r:CONT=N, -20, 20 Commands are indicated by ">", and responses are indicated by "<".												
Commands supported	SX50 SX7 SX60 X700 01.00** 01.01** 01.01** 01.01**													
Supported	01.00 01.01**	01.01	01.01											

Mod	el	P	owe	r					Input					Mo	de	Remarks
	C	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX5	0	×		×							-	-			×	
SX7	7	×		×											×	
SX6	0															
X70	0															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

RANG	E SHA	RP			4	Aode	Control	Setting	Reference				
Sharpness	setting range	e request											
RANGE	SHARP												
r:SHAR	P=N, <mini< th=""><th>mum settin</th><th>g value>, <</th><th>Maximum</th><th>setting val</th><th>ue></th><th></th><th></th><th></th></mini<>	mum settin	g value>, <	Maximum	setting val	ue>							
For all other	r responses,	, refer to "Er	ror List."						Number				
This inquire	is inquires about the range within which the sharpness can be set.												
at the s A "busy (Refer t -2 The sha	ame time. " response i o the ZCON arpness can	s given while	e the zoom	or focus len	ıs is being o	driven	-	ower-on	status				
	, ,	by ">" and re	ocponece are	indicated by	" _"								
SX50	SX7	SX60	X700	indicated by	<u>`</u> .								
01.00**	01.01**	01.01**	01.01**										
	RANGE r:SHAR For all other This inquire -1 This inquire -1 This inquire -2 The shades RANGE -2 The shades RANGE -3 TRANGE -4 COmmands SX50	RANGE SHARP r:SHARP=N, <mini "busy"="" (refer="" -1="" -2="" a="" about="" all="" at="" be="" can="" for="" i="" inquires="" inquiry="" other="" response="" responses,="" same="" sharpness="" the="" this="" time.="" to="" zcon=""> RANGE SHARP < r:SHARP=N, -4, 4 * Commands are indicated SX50 SX7</mini>	r:SHARP=N, <minimum "busy"="" "er="" (refer="" -1="" -2="" a="" about="" all="" at="" be="" by="" can="" comr="" for="" given="" inquires="" inquiry="" is="" made="" other="" range="" refer="" response="" responses,="" same="" set="" settin="" sharpness="" th="" the="" this="" time.="" to="" when="" whil="" within="" zcontdrv=""> RANGE SHARP < r:SHARP=N, -4, 4 * Commands are indicated by ">", and response in the set of the</minimum>	RANGE SHARP r:SHARP=N, <minimum setting="" value="">, < For all other responses, refer to "Error List." This inquires about the range within which the s -1 This inquiry can be made when the projector at the same time. A "busy" response is given while the zoom of (Refer to the ZCONTDRV command and FC -2 The sharpness can be set by the SHARP of SHARP=N, -4, 4 *Commands are indicated by ">", and responses are SX50 SX7 SX60 X700</minimum>	RANGE SHARP r:SHARP=N, <minimum setting="" value="">, <maximum "busy"="" "error="" (refer="" -2="" a="" about="" all="" and="" be="" by="" can="" command="" command.="" fcontdrv="" focus="" for="" given="" inquires="" is="" ler="" list."="" of="" or="" other="" range="" refer="" response="" responses,="" same="" set="" sharp="" sharpness="" the="" this="" time.="" to="" which="" while="" within="" zcontdrv="" zoom=""> RANGE SHARP < r:SHARP=N, -4, 4 *Commands are indicated by ">", and responses are indicated by SX50 SX7 SX60 X700</maximum></minimum>	RANGE SHARP r:SHARP=N, <minimum setting="" value="">, <maximum "busy"="" "error="" (refer="" -1="" -2="" a="" about="" all="" and="" at="" be="" being="" both="" by="" can="" command="" command.="" command.)="" fcontdrv="" focus="" for="" given="" in="" inquires="" inquiry="" is="" lens="" list."="" made="" or="" other="" projector="" range="" refer="" remote="" response="" responses,="" same="" set="" set.="" setting="" sharp="" sharpness="" the="" this="" time.="" to="" val="" when="" which="" while="" within="" zcontdrv="" zoom=""> RANGE SHARP < r:SHARP=N, -4, 4 * Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</maximum></minimum>	RANGE SHARP r:SHARP=N, <minimum setting="" value="">, <maximum setting="" value=""> For all other responses, refer to "Error List." 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 mod 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. > RANGE SHARP < r:SHARP=N, -4, 4 *Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</maximum></minimum>	RANGE SHARP r:SHARP=N, <minimum setting="" value="">, <maximum setting="" value=""> For all other responses, refer to "Error List." 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 pout 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. > RANGE SHARP < r:SHARP=N, -4, 4 * Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</maximum></minimum>	RANGE SHARP r:SHARP=N, <minimum setting="" value="">, <maximum setting="" value=""> For all other responses, refer to "Error List." 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 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. > RANGE SHARP < r:SHARP=N, -4, 4 *Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700</maximum></minimum>				

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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	RANG	E GAN	ИΜА			4	Aode	Control	Setting	Reference					
Function	Gamma adji	ustment ran	ge request												
Format	RANGE	GAMMA													
Response	r:GAMN	/IA=N, <min< th=""><th>imum setti</th><th>ng value>, «</th><th>Maximum</th><th>setting va</th><th>lue></th><th></th><th></th><th></th></min<>	imum setti	ng value>, «	Maximum	setting va	lue>								
	For all other	responses,	refer to "Eri	ror List."						Number					
Description	This inquires	s inquires about the range within which the gamma can be adjusted.													
	at the sa A "busy' (Refer to -2 The gan	ame time. " response io the ZCON nma adjustr	s given while	the projecto e the zoom on and and FC an be set by	or focus len	s is being d	lriven.	-	ower-on	status					
Example		GAMMA 1A=N, -4, 4													
			by ">", and re	esponses are	indicated by	"<".									
Commands		SX7	SX60	X700											
supported	01.00**	01.01**	01.01**	01.01**			+								
						1									

Мо	del	F	owe	r					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX	(50	×		×							-	-			×	
S	X7	×		×											×	
SX	(60															
X7	700															

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

^{* &}quot;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=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
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-or 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.	n status
Example	> RANGE DGAMMA < r:DGAMMA=I, 0, 1 * Commands are indicated by ">", and responses are indicated by "<".	
Commands supported	SX50 SX7 SX60 X700 01.01** 01.01** 01.01**	

Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;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=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>												
	For all other responses, refer to "Error List."												
Description	This inquires about the parameter options which enable the progressive setting to be selected.												
	-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 inquiry2 The progressive setting can be selected by the PROG command.												
Example													
	<pre>< r:PROG=I, 0, 1, 2 * Commands are indicated by ">", and responses are indicated by "<".</pre>												
Commands	SX50 SX7 SX60 X700												
supported	01.00** 01.01** 01.01** 01.01**												

Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×	×	×	×				-	-	×		×	
SX7	×		×	×	×	×				×	×	×		×	
SX60															
X700															

^{*} 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=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
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-or 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.	ı status
Example	> RANGE WB < r:WB=I, NORMAL, GREENBOARD, ADJUST * Commands are indicated by ">", and responses are indicated by "<".	
Commands supported		

Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANGE WBRGB Mode Control Setting Referen												
Function	Screen color correction (adjustment) range request												
Format	RANGE WBRGB												
Response	<g maximum="" value="">, <b minimum="" value="">, <b maximum="" value=""></g>												
	Il 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													

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Kemarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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=""></maximum></minimum>													
	Ill 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 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.	status												
Example	> RANGE SAT < r:SAT=N, -20, 20 * Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	SX50 SX7 SX60 X700 01.00** 01.01** 01.01** 01.01**													

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	Video S-Video D-Video SCART None				Remote	Local	Remarks
SX50	×		×	×	×	×				-	_			×	
SX7	×		×	×	×	×				×	×			×	
SX60															
X700															

^{*} 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.

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E HUE					Mode	Control	Setting	Reference					
Function	Hue setting r	ange reque	est												
Format	RANGE	HUE													
Response	r:HUE=N	l, <minimu< th=""><th>m setting v</th><th>alue>, <ma< th=""><th>ximum se</th><th>tting value</th><th>:></th><th></th><th></th><th></th></ma<></th></minimu<>	m setting v	alue>, <ma< th=""><th>ximum se</th><th>tting value</th><th>:></th><th></th><th></th><th></th></ma<>	ximum se	tting value	:>								
	For all other	All other responses, refer to "Error List."													
Description	This inquires	about the	range within	which the h	ue can be	set.									
	(Refer to	me time. response i the ZCON ne input sig	s given while TDRV comn nals, it may	e the zoom on the	or focus lei CONTDRV	ns is being command.	driven.)	-	ower-on	status					
Example															
	< r:HUE=N * Commands a	, ,	by ">", and re	esponses are	indicated by	y "<".									
Commands	SX50	SX7	SX60	X700											
supported	01.00**	01.01**	01.01**	01.01**											
				Ī	ı										

	_		_												
Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×	×	×	×		-	-		_			×	
3/30	^		^	^	^	_ ^	-					×		^	
SX7								-	-						
SX60	×		×	×	×	×				×	×			×	
X700			.,	.,	"		-			.,		×		.,	

^{*} 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.

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANGE RGBGAIN Mode Control Set	ting 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 maximum="" value=""></g></g></r></r>	
	For all other responses, refer to "Error List."	Number
Description	This command is used to inquire about the range in which the RGB gain adjustment can be set. (1) This inquiry can be made when the projector is in both the remote mode and power-on status 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.	s at the
Example	< r:RGBGAIN=N, -20, 20, -20, 20, -20, 20	
Commands supported		

Model	Pow	er su	ıpply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Nemarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 Set	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 maximum="" value=""></g></g></r></r>	
	For all other responses, refer to "Error List."	Number
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 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.	s at the
Example	> RANGE RGBOFFSET < r:RGBOFFSET=N, -20, 20, -20, 20, -20, 20 *Commands are indicated by ">", and responses are indicated by "<".	
Commands supported	01.00** 01.01** 01.01**	
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.	

N	Model	Pow	er su	ıpply					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
3	SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SX7	×		×											×	
5	SX60															
)	X700															

^{*}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	RANG	E ACA	DJUS	T		4	Mode	Control	Setting	Reference					
Function	Advanced o	olor adjustm	ent option r	equest											
Format	RANGE	RANGE ACADJUST													
Response	r:ACAE	JUST=I, <s< th=""><th>etting option</th><th>on 1>, <sett< th=""><th>ing option</th><th>2>,, <s< th=""><th>etting</th><th>option</th><th>n></th><th></th></s<></th></sett<></th></s<>	etting option	on 1>, <sett< th=""><th>ing option</th><th>2>,, <s< th=""><th>etting</th><th>option</th><th>n></th><th></th></s<></th></sett<>	ing option	2>,, <s< th=""><th>etting</th><th>option</th><th>n></th><th></th></s<>	etting	option	n>						
	For all othe	l other responses, refer to "Error List."													
Description	This inquire	is inquires about the parameter options which enable the advanced color adjustment to be set.													
	at the s A "busy (Refer t -2 The adv	ame time. " response i o the ZCON vanced color	s given while TDRV comn adjustment	the projector e the zoom of mand and FC or can be set I	or focus len	s is being c	driven.	·	ower-on	status					
Example		ACADJUS	=	NATINA I NA	- 14 14 14-1	M II CAV									
				, MEM_L, Mi											
Commands		SX7	SX60	X700											
supported	01.00**	01.01**	01.01**	01.01**											
	14.0	×	×	×	B. B. I. I. E.				j						
	When a com	mand is not su	upported, "e:C	000A INVALID	_PARAMET	ER" is return	ned.								

Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×	×	×	×				-	-			×	
SX7	_	-	-	-	_	_	1	-	-	-	_	-	_	1	
SX60															
X700															

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

^{* &}quot;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 1="" option="">, <setting 2="" option="">,, <setting optio<="" th=""><th>n n></th><th></th><th></th><th></th></setting></setting></setting>	n n>										
	For all other responses, refer to "Error List."				ID							
Description	This command is used to inquire about the parameter options which enable to be set.	the mem	ory color	adjustn	nent							
	This inquiry can be made when the projector is in both the remote mode same time. However, a "busy" response is given while the zoom or focus lens is bei Refer to the ZCONTDRV command and FCONTDRV command. The memory color adjustment can be set using the MEMCADJ command.	ing drive mand.		tatus at	t the							
Example												
	< r:MEMCADJ=I, OFF, MEM_L, MEM_M, MEM_H Commands are indicated by ">", and responses are indicated by "<".											
Commands												
supported			_									
	x											

	Model	Pow	er su	ıpply					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
	SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Г	SX7	×		×											×	
	SX60															
	X700															

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

 $^{^{\}star}$ When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE 6AXADJ Mode Control Sett	ting Reference
Function	6-axis adjustment option inquiry	
Format	RANGE 6AXADJ	
Response	r:6AXADJ=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
Description	This command is used to inquire about the parameter options which enable the 6-axis adjustment (1) This inquiry can be made when the projector is in both the remote mode and power-on status 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) 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	01.00** 01.01** 01.01**	
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.	

Mode	I Po	owe	er su	pply					Input					Mo	ode	Remarks
	Ol	FF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50)	. [-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	,	Κ.		×											×	
SX60)															
X700																

^{*}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 in RANGE 6AXR RANGE 6AXR RANGE 6AXR RANGE 6AXR RANGE 6AXR RANGE	
Response	r:6AXR(G,B,C,M,Y)=N, <minimum hue="" value="">, <maximum hue="" value="">, <minimum color="" saturation="" value=""> , <maximum color="" saturation="" value=""> For all other responses, refer to "Error List."</maximum></minimum></maximum></minimum>	Number
Description	 This inquires about the range within which the 6-axis correction R to Y hue and color saturatiset. -1 This inquiry can be made when the projector is in both the remote mode and power-on 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	5.00	

-	o erp p o c				.a otato	_										
ſ	Model		owe						Input					Mo	de	Remarks
L		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Romans
I	SX50	×		×							-	_			×	
I	SX7	×		×											×	
	SX60															
L	X700															

^{*} 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 Se	etting	Reference
Function	Lamp output set	ting option request			_			
Format	RANGE L	AMP						
Response	r:LAMP=I, <	Setting option 1>,	Setting opt	ion 2>,, <setti< th=""><th>ng optio</th><th>n n></th><th></th><th></th></setti<>	ng optio	n n>		
	For all other resp	oonses, refer to "Er	ror List."					ID
Description	This inquires abo	out the parameter o	ptions which e	nable the lamp ou	utput to b	e set.		
	at the same A "busy" res (Refer to the	can be made when time. ponse is given while ZCONTDRV commutput can be set by	e the zoom or nand and FCC	focus lens is being	g driven.	-	er-on	status
Example	< r:LAMP=I, N	MP ORMAL, SILENT ndicated by ">", and r	acnoncae ara in	dicated by ">"				
Commands		SX7 SX60	X700	diodiod by 1.				
supported	01.00** 01	.01** 01.01**	01.01**					
				<u> </u>				

Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANGE VKS/HKS Mode Control Setting Re	eference									
Function	Vertical/horizontal keystone setting range request										
Format	Vertical keystone setting range inquiry RANGE VKS RANGE HKS										
Response	r:HKS=N, <minimum setting="" value="">, <maximum setting="" value=""></maximum></minimum>	Number									
Description	 These inquire about the ranges within which the vertical and horizontal keystone can be set. This inquiry can be made when the projector is in both the remote mode and power-on state 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.) The vertical and horizontal keystone settings can be selected by the VKS and HKS comman respectively. 										
Example	> RANGE HKS < r:HKS=N, -30, 30 Commands are indicated by ">", and responses are indicated by "<".										
Commands supported											

-	o erp p o c				ia otato	_										
ſ	Model		owe						Input					Mo	de	Remarks
L		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Romans
I	SX50	×		×							-	_	×		×	
I	SX7	×		×											×	
	SX60															
L	X700															

^{*} If the necessary signals are not input, "NO_SIGNAL' is returned.

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

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

Commands	RANG	E AVC)L			Mo	de Contro	Setting	Reference
Function	Audio volum	ne setting ra	nge request	t					
Format	RANGE	AVOL							
Response	r:AVOL	=N, <minim< th=""><th>um setting</th><th>value>, <ma< th=""><th>kimum setti</th><th>ing value></th><th></th><th></th><th></th></ma<></th></minim<>	um setting	value>, <ma< th=""><th>kimum setti</th><th>ing value></th><th></th><th></th><th></th></ma<>	kimum setti	ing value>			
	For all other	responses,	refer to "Er	ror List."					Number
Description	This inquire	s about the	range within	which the au	dio volume d	can be set.			
	at the sa A "busy (Refer to -2 The aud	ame time. " response i o the ZCON dio volume o	s given whil TDRV comr	the projector e the zoom or mand and FC0 y the AVOL co	focus lens is ONTDRV cor	s being driv	•	ower-on	status
Example	< r:AVOL:	=N, 0, 20			Park II. II.				
Commands	SX50	SX7	SX60	esponses are ii	dicated by "<"				
supported	01.00**	01.01**	01.01**	01.01**					

Mode		Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;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=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
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-or 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. 	n status
Example	> RANGE MUTE < r:MUTE=I, ON, OFF * Commands are indicated by ">", and responses are indicated by "<".	
Commands	SX50 SX7 SX60 X700	
supported	01.00** 01.01** 01.01**	

Mod	el	P	owe	r					Input					Mo	de	Remarks
	C	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX5	0	x x									-	-			×	
SX7	7	×		×											×	
SX6	0															
X70	0															

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

^{* &}quot;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=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
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 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.	status
Example	> RANGE BVOL < r:BVOL=I, 0, 1	
	* Commands are indicated by ">", and responses are indicated by "<".	
Commands supported	SX50 SX7 SX60 X700 01.00** 01.01** 01.01** 01.01**	

Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E IMA	GEFLI	Р		M	ode	Control	Setting	Reference			
Function	Flip display	setting option	on request										
Format	RANGE	IMAGEF	LIP										
Response	r:IMAG	EFLIP=I, <s< th=""><th>Setting option</th><th>on 1>, <set< th=""><th>ting option</th><th>2>,, <se< th=""><th>tting</th><th>option</th><th>n></th><th></th></se<></th></set<></th></s<>	Setting option	on 1>, <set< th=""><th>ting option</th><th>2>,, <se< th=""><th>tting</th><th>option</th><th>n></th><th></th></se<></th></set<>	ting option	2>,, <se< th=""><th>tting</th><th>option</th><th>n></th><th></th></se<>	tting	option	n>				
	For all othe	r responses,	, refer to "Er	ror List."						ID			
Description	This inquire	s about the	parameter c	ptions which	n enable the	e flip display	to be	set.					
	at the s A "busy (Refer t	ame time.	s given whil TDRV comr	e the zoom	or focus len			and po	ower-on	status			
Example		> RANGE IMAGEFLIP < r:IMAGEFLIP=I, NONE, CEILING, REAR, REAR_SEILING											
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".							
Commands	0,100	SX7	SX60	X700									
supported	01.00**	01.01**	01.01**	01.01**		-	-						
						1	1						

Model	F	owe	r					Input					Mo	Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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	E PMN	/			Me	ode (Control	Setting	Reference					
Function	Power manag	gement set	tting option r	equest											
Format	RANGE	PMM													
Response	r:PMM=I,	<setting< th=""><th>option 1>,</th><th><setting op<="" th=""><th>tion 2>,,</th><th><setting op<="" th=""><th>otion i</th><th>n></th><th></th><th></th></setting></th></setting></th></setting<>	option 1>,	<setting op<="" th=""><th>tion 2>,,</th><th><setting op<="" th=""><th>otion i</th><th>n></th><th></th><th></th></setting></th></setting>	tion 2>,,	<setting op<="" th=""><th>otion i</th><th>n></th><th></th><th></th></setting>	otion i	n>							
	For all other r	esponses,	refer to "Er	ror List."						ID					
Description	This inquires	is inquires about the parameter options which enable power management to be set.													
	,	ne time. response i the ZCON	s given while	e the zoom	or focus len	s is being dr command.)		and po	wer-on	status					
Example	< r:PMM=I,	OFF, STA	,												
Commands	* Commands at	re indicated SX7	by ">", and re	esponses are	indicated by	"<". 	1								
supported	0.100	01.01**	01.01**	01.01**											

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	_			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
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 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. 	status
Example	> RANGE PJON < r:PJON=I, CANON, SKIP, LOGO	
Commands	* Commands are indicated by ">", and responses are indicated by "<". SX50 SX7 SX60 X700	
supported		

Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;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=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>															
	For all other responses, refer to "Error List."	all other responses, refer to "Error List." Inquires about the parameter options which enable the display screen when there are no signals to														
Description	This inquires about the parameter options which enable the display screen when there are no be set. -1 This inquiry can be made when the projector is in both the remote mode and power-on s 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.	Ü														
Example	> RANGE NOSIG < r:NOSIG=I, BLACK, BLUE, LOGO * Commands are indicated by ">", and responses are indicated by "<".	> RANGE NOSIG < r:NOSIG=I, BLACK, BLUE, LOGO														
Commands supported																

ľ	Model	F	owe	r					Input					Mo	ode	Remarks
L		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
I	SX50	×		×							-	-			×	
I	SX7	×		×											×	
ı	SX60															
l	X700															

^{*} 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 1="" option="">, <setting 2="" option="">,, <setting n="" option=""> or all other responses, refer to "Error List."</setting></setting></setting>													
Description	This inquires about the parameter options which enable the display screen when nothing is shown 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 current display screen when nothing is shown can be set by the NOSHOW command.													
Example	> RANGE NOSHOW < r:NOSHOW=I, BLACK, BLUE, LOGO * Commands are indicated by ">", and responses are indicated by "<".													
Commands supported														

Model	F	owe	r					Input					Mo	Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>													
	For all other responses, refer to "Error List."													
Description	his inquires about the parameter options which enable the user screen (logo) display position to be et.													
	 -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 An inquiry cannot be made if the user image has not been registered. (The "e:1002 NO_LOGO_CAPTURED" error is returned.) -3 The user image position can be set by the LOGOPOS command. 													
Example	> RANGE LOGOPOS < r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_R													
	* Commands are indicated by ">", and responses are indicated by "<".													
Commands supported														

Λ	/lodel	F	owe	r					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
5	SX50	×		×							-			×		
	SX7	×		×											×	
5	SX60															
)	X700															

^{*} 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	RANG	E LAN	IG			4	Aode	Control	Setting	Reference					
Function	Language s	Language setting option request													
Format	RANGE	RANGE LANG													
Response	r:LANG	r:LANG=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>													
	For all othe	r all other responses, refer to "Error List."													
Description	This inquire	his inquires about the parameter options which enable the language to be set.													
	at the s A "busy (Refer t	quiry can be ame time. " response i o the ZCON guage can b	s given whil TDRV comr	e the zoom	or focus lens	s is being o	driven	-	ower-on	status					
Example	< r:LANG	E LANG =I,ENG,FRA JN,CZE,DAI		SPA,POR,S\	WE,DUT,RU	JS,CHS,CH	HT,KC	R,JPN,F	FIN,NOR	R,TUR,					
		are indicated			indicated by '	'< ".			1						
Commands supported		SX7 01.01**	SX60 01.01**	X700 01.01**											
capported	01.00	01.01	01.01	01.01											
				I											

Model	F	Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

^{*} 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	RANG	E TER	MINAL	_			Mode	Control	Setting	Reference					
Function	Terminal setting option request														
Format	RANGE TERMINAL r:TERMINAL=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>														
Response	r:TERN	IINAL=I, <s< th=""><th>etting optio</th><th>n 1>, <setti< th=""><th>ng option</th><th>2>,, <s< th=""><th>etting</th><th>option r</th><th>1></th><th></th></s<></th></setti<></th></s<>	etting optio	n 1>, <setti< th=""><th>ng option</th><th>2>,, <s< th=""><th>etting</th><th>option r</th><th>1></th><th></th></s<></th></setti<>	ng option	2>,, <s< th=""><th>etting</th><th>option r</th><th>1></th><th></th></s<>	etting	option r	1>						
	For all othe	or all other responses, refer to "Error List."													
Description	This inquire	This inquires about the parameter options which enable the terminal to be set.													
	at the s A "busy (Refer t	ame time. " response i o the ZCON	s given while	the projecto e the zoom o nand and FO TERMINAL o	or focus ler	ns is being	driven.	•	ower-on	status					
Example	_	TERMINAL IINAL=I, IN,													
	* Commands	are indicated	by ">", and r	esponses are	indicated by	y "<".									
Commands	SX50	SX7	SX60	X700											
supported	01.00**	01.01**	01.01**	01.01**											
	140	×	×	×	D. D. A. L. E.		_Ļ_								
	When a com	mand is not si	upported, "e:0	000A INVALID	_PARAMET	TER" is retur	ned.								

Model	Parameter	F	owe	er					Input					Мо	de
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local
SX50	IN	×		×							-	-			×
3/30	OUT	×		×			×	×			-	-			×
SX7															
SX60	_	_	_	_	_	_	_	-	-	_	_	_	_	_	-
X700															

^{*} 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 Settin	Reference
Function	Key lock setting option request	
Format	RANGE KEYLOCK	
Response	r:KEYLOCK=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
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 -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.	on status
Example	> RANGE KEYLOCK < r:KEYLOCK=I, MAIN, RC * Commands are indicated by ">", and responses are indicated by "<".	
Commands supported	SX50 01.00** SX7 01.01** SX60 01.01** X700 01.01**	

Mode		Powe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×		×							-	-			×	
SX7	×		×											×	
SX60															
X700															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANGE RCCH Mode Control Sett	ng Reference												
Function	Remote control setting option request													
Format	RANGE RCCH													
Response	r:RCCH=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>													
	or 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 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. 	on status												
Example	> RANGE RCCH < r:RCCH=I, 1, 2													
	* Commands are indicated by ">", and responses are indicated by "<".													
Commands														
supported	01.00** 01.01** 01.01** 01.01**													

Mode	el	Pov	ver						Input					Mo	de	Remarks
	OF	F O	N P	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX5) ×			×							-	-			×	
SX7	×			×											×	
SX6)															
X700)															

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

^{* &}quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANGE GUIDE Mode Control Sett	ing Reference											
Function	Guide setting enable option request												
Format	RANGE GUIDE												
Response	r:GUIDE=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>												
	For all other responses, refer to "Error List."	ID											
Description	This command is used to inquire about the parameter options which enable the guide to be set.												
	(1) This inquiry can be made when the projector is in both the remote mode and power-on status 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.	s at the											
Example	> RANGE GUIDE < r:GUIDE=I, ON, OFF												
	*Commands are indicated by ">", and responses are indicated by "<".												
Commands supported													
supported	х												
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.												

Model	Pow	er su	ıpply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	-	_	-	_	-	-	-	-	_	-	
SX7	×		×											×	
SX60															
X700															

^{*}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 Setti	Reference											
Function	Direct power-on setting inquiry												
Format	RANGE DPON												
Response	r:DPON=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>												
	Il other responses, refer to "Error List."												
Description	his 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 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) Direct power-on can be set using the DPON command.	at the											
Example													
	<pre>< r:DPON=I, ON, OFF *Commands are indicated by ">", and responses are indicated by "<".</pre>												
Commands													
supported	01.00** 01.01** 01.01**												
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.												

Model	Pow	er su	pply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	_	_	_	-	_	-	_	-	-	-	_	_	-	
SX7	×		×											×	
SX60															
X700															

^{*}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	r:LEDILLUMINATE=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>												
	all other responses, refer to "Error List."												
	This command is used to inquire about the parameter options which enable emotional LED and signal sensing LED lighting 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. However, a "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) (2) LED lighting control can be set using the LEDILLUMINATE command.												
Example	> range ledilluminate < r:ledilluminate=1, on, off												
	*Commands are indicated by ">", and responses are indicated by "<".												
Commands supported													
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.												

	Model	Pow	er supply Input											Mode		Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
	SX50	_	_	_	_	_	_	-	_	_	-	-	_	_	_	
	SX7	×		×											×	
	SX60															
П	X700															

^{*}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													
Response	r:ZSTEPDRV=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""> For all other responses, refer to "Error List."</setting></setting></setting>												
Description	This command is used to inquire about the parameter options which enable the step drive of the zoom lens. (1) This inquiry can be mades 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.) (2) Step control for the zoom lens can be exercised using the ZSTEPDRV command.												
Example	> RANGE ZSTEPDRV < r:ZSTEPDRV=I, WIDE, TELE												
Commands supported													

Model	Pow	er su	pply					Input	11.3										
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks				
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SX7	×		×											×					
SX60																			
X700																			

^{*}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 Sett	ting Reference											
Function	Zoom lens continuous drive control option request												
Format	RANGE CONTZDRV												
Response	r:ZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>												
	all other responses, refer to "Error List."												
Description	This command is used to inquire about the parameter options which enable the zoom lens to be discontinuously. (1) This inquiry can be made when the projector is in both the remote mode and power-on status 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.) (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV command.												
Example	> RANGE ZCONTDRV < r:ZCONTDRV=I,-STOP, WIDE, TELE												
Commands supported	SX50 SX7 SX60 X700 01.00** 01.01** 01.01** 01.01**												
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.												

Model	Pow	er su	pply					Input			11.7									
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks					
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SX7	×		×											×						
SX60																				
X700																				

^{*}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 1="" option="">, <setting 2="" option="">,, <setting n="" option=""> For all other responses, refer to "Error List."</setting></setting></setting>												
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 ZCONTDRV command and FCONTDRV 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													

_																
Г	Model	Pow	er su	ıpply					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
I	SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Г	SX7	×		×											×	
П	SX60															
	X700															

^{*}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 Settin	ng Reference
Function	Focus lens continuous drive control option request	
Format	RANGE FCONTDRV	
Response	r:FCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>	
	For all other responses, refer to "Error List."	ID
Description	This command is used to inquire about the parameter options which enable the focus lens to be dricontinuously.	ven
	(1) This inquiry can be made when the projector is in both the remote mode and power-on status 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.) (2) Continuous control of the focus lens can be exercised using the FCONTDRV command.	at the
Example	> RANGE FCONTDRV < r:FCONTDRV=I, STOP, FAR, NEAR	
Commands supported	01.00** 01.01** 01.01**	
	When a command is not supported, "e:000A INVALID_PARAMETER" is returned.	

Model	Pow	er su	ıpply					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SX7	×		×											×	
SX60															
X700															

^{*}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.

User Command Specifications 10. Error List

10. Error List

	. Erro		3L					
٦		곬			Erro port	rs ed b	y _	
Item	Code	TYF	Error character strings		mod		Error	Remedy
				(1)((2) (3) (4	1)	
1	0001	е	BAD_SEQUENCE				Communication sequence error	Wait until the response is received to send
2	0002	е	INVALID_COMMAND	H	+	+	Command is invalid (undefined).	the command. Send the correct command.
				\vdash	1	+	The designated command cannot be	Switch the mode using the REMOTE or
3	0003	е	INVALID_MODE				executed in this mode.	LOCAL command.
4	0004	е	INVALID_FORMAT				The command format is incorrect.	Send in the correct command format.
5	0005	е	NOT_POWER_SUPPLIED				Power is not being supplied.	Use the POWER ON command to turn on the power.
6	ı		BUSY				Mode switching or processing inside the projector is underway.	Wait until the power supply state changes to "ON", "OFF", or "PMM".
7	000A	е	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	е	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.
10		i	BUSY (ZOOM)				The zoom lens is now being driven.	Wait until the zoom lens drive stops.
Ι	F001	е	SYSTEM (UNKNOWN)	Ц	_[\bot	An internal error occurred.	Resend the command.
11	F002			${oldsymbol{arphi}}$	_	-	An error occurred in AUTOSETEXE=FOCUS. An error occurred in AUTOSETEXE=VKS.	Eliminate the cause of the error, and
	F004 F005	e	SYSTEM (AUTO_KEYSTONE) SYSTEM (SCREEN_COLOR)	H	-		An error occurred in AUTOSETEXE=VKS. An error occurred in AUTOSETEXE=SCRN.	resend the command.
12	E0XX		COMMUNICATION_ERROR		1		A communication protocol violation	Resend the command.
-					-	-	occurred in the projector. This cannot be executed with the current	
13	200X	е	INVALID_SOURCE (****)				input source. The current input source is indicated in parentheses.	Change the input source.
	2010	е	NO_SIGNAL				There is no signal input.	Input the signal.
14	201X	е	INVALID_SIGNAL (****)				This cannot be executed with the current input signal. The current input signal is indicated in parentheses.	Change the input signal.
		·- ·-	BUSY (NOW_SETTING) BUSY (POWER_MANAGEMENT_READY) BUSY (INTERNAL_PROCESS)				Signal setting (detection) is in progress. Preparing to switch to power management standby. Heavy processing is in progress.	Wait until the processing is completed.
15	_							Wait until the feete long drive stone
		+	BUSY (FOCUS)	H	#	-	The focus lens is now being driven.	Wait until the focus lens drive stops.
L		÷	-BUSY (ZOOM)	╚			The zoom lens is now being driven.	Wait until the zoom lens drive stops.
16	0801 0802	е	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.
	1001	е	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	е	NO_LOGO_CAPTURED	$\lfloor floor$	_[Processing cannot be executed since the user image is not registered.	Register the user image.
1	1003	е	IP_NOT_AVAILABLE		Ī		IP conversion cannot be performed.	Change to the correct input signal.
17	1004	е	POWER_MANEGEMENT_OFF				DPON cannot be set to ON when PMM is OFF.	Set DPON to ON when PMM is not OFF.
	1005	е	DIRECT_POWER_ON				PMM cannot be set to OFF when DPON is ON.	Set DPON to OFF.
	1006	е	NOW_BLANK				AUTOSETEXE=FOCUS or SCRN cannot be executed since BLANK is ON.	After setting BLANK to ON, resend the command.
L	203X	е	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.
_		_		—			acter etring 'Y' is a number from '0' to '9' or I	

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

User Command Specifications 11. Other

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

User Command Specifications Appendix 1 Reset Items

Appendix 1 Reset Items

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

ALL	SYSTEM	IMAGE	Ite	em			Setting	1	Reference commar		
			Input source switching				A-RGB2		INPUT		
			Toggle button recording				C1:DRGB C2:	ARGB2			
							V :VIDEO				
	-		ARGB manual for input signal s	etting							
	-		Input signal select	put signal select AUTO							
	-		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 i	s initialized						
				STANDARD		CINEM					
	-	l	Brightness	0	0	0	0	†	BRI		
			Contrast	0	0	0	0		CONT		
			Sharpness	0	0	0	0		SHARP		
			Gamma	0	0	0	0		GAMMA		
			Dynamic gamma	0	0	0	0		DGAMMA		
			Screen color correction	NORMAL	NORMAL	NORM.			WB		
			" adjustment values (R,G,B)	0, 0, 0	0, 0, 0	0, 0, 0			WBRGB		
			Advanced color adjustment	NOCORRECT			ECT NOCORREC	т	ACADJUST		
			6-axis adjustment (SAT,HUE)	0, 0	0, 0	0, 0	0, 0		6AXR ~ Y		
			Lamp mode	NORMAL	NORMAL	SILEN			LAMP		
			Saturation	0	0	0	0		SAT		
			Hue	0	0	0	0		HUE		
	-		Progressive	1	1	1	<u></u>	- 	PROG		
			<u>×</u>					-	-		
			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								
	· 		Menu category item				not selected		LANG		
	-		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		IVIU I E		
	1	1	Lamp ready indicator on hay				U				

User Command Specifications Appendix 2 Table of Response Patterns by Command

48 KEYLOCK 49 RCCH 50 GUIDE 51 DPON

58 MAIN 59 Null

LEDILLUMINATE
ZSTEPDRV
ZCONTDRV
FSTEPDRV
FCONTDRV
RC

×

×

Appendix 2 Table of Response Patterns by Command (1/3)

Version numbers of models supported

(1/3) 2005.11.14 LOCAL REMOTE SX7 SX50 SX60 X700 01.00** 01.01** Commands OFF OFF2ON ON ON2OFF ON2PMM PMM PMM2O OFF OFF2ON ON2OFF PMM PMM2OI 01.00** 1 REMOTE 2 LOCAL POWER ON 3 OFF AUTOSETEXE FOCUS VKS SCRN INPUT 5 BLANK 6 INPUT 7 AUTOPC 8 DOTS 9 TRACK 10 HPOS 11 VPOS 12 HPIX 13 VPIX 14 SFI 14 SEL ASPECT FULL NORMAL WIDE 15 TRUE 16 IMAGE 17 BRI 17 BRI
18 CONT
19 SHARP
20 GAMMA
21 DGAMMA
22 PROG
23 WB
24 WBRGB
25 SAT 26 HUE 27 RGBGAIN 28 RGBOFFSET 29 ACADJUST 30 MEMCADJ 31 6AXADJ × × 32 6AXR ~ 6AXY 33 LAMP 34 RESET 35 VKS 36 HKS 36 HKS
37 AVOL
38 MUTE
39 BVOL
40 IMAGEFLIP
41 PMM
2 PJON
43 NOSIG
44 NOSHOW
45 LOGOPOS
46 LANG
47 TERMINAL IN
0UT
48 KEYLOCK ×

tem																				-							
tem		models s	umbers of supported	Response				LOCAL				REMOTE															
	Commands	SX50	SX60	not send	OFF OFF2ON ON ON2OFF ON2PMM PMM PMM20						PMM2ON	OFF OFF2ON OFF2ON Input signal BLANK									ON2OFF ON2PMM		PMM	PMM2Of			
		01.00**	X700 01.01**											DG	A1	A2		t sign		V SC	X						
60 (GET MODE																			\perp							
	GET POWER	-	-														-	+	\dashv	+	+	F	Ē				
	GET BLANK	×																4	\blacksquare		-	-					
	GET INPUT	-	_															1		\dagger		Ē	Ē				
65 (GET DOTS GET TRACK																_	4	+	+							
66	GET HPOS																			\pm							
	GET VPOS GET HPIX																4	+	+	+	+						
69 (GET VPIX																		1	#							
	GET SEL GET ASPECT																-	+	-	+	+						<u> </u>
72 (GET IMAGE																	1	I	İ	t	L	L				
	GET BRI GET CONT													\vdash			4	\dashv	+	-	+	\vdash	\vdash				\vdash
75 (GET SHARP																	1	I	İ	t	L	L				
	GET GAMMA GET DGAMMA													H			4	+	+	+	+	\vdash	⊨				
78	GET PROG																	1	ļ	ŧ	t						
	GET WB GET WBRGB																	+	+	+	\vdash	H	\vdash				
81 (GET SAT																			Ŧ							
82	GET HUE																-	-	-		H						
	GET RGBGAIN	×																4									
	GET RGBOFFSET GET ACADJUST	×	×														+	+	+-	+-	+	-	-				
	GET MEMCADJ	×																4	_		1						
	GET 6AXADJ GET 6AXR ~ Y	×															1	1		\dagger							
89	GET VKS	-	-															_	+	+		-	-				
90 (GET HKS		-															1				-	-				
	GET AVOL	-													_		_	_	-	+	+-	-	-				
	GET MUTE		-															1				Ξ	Ξ				
	GET BVOL	-															-	+	+	+	╁		-				
94 (GET IMAGEFLIP																	1					L				
96 (GET PMM GET PJON																	+	-	+	+						
97 (GET NOSIG GET NOSHOW																7	7	Ŧ	I	F						
99	GET LOGOPOS																		t		t		L				
	GET LANG GET LAMP													H			4	Ţ	Ŧ	F	F	F	F				
102	GET TERMINAL		×															1	I	İ	t	-	=				
	GET KEYLOCK GET RCCH													\vdash			4	+	H	+	+	H	H				
105	GET GUIDE	×																1	İ								
	GET DPON GET LEDILLUMINATE	×												H				4	+	\perp	+	H	H				
112	GET NOSHOWSTATE	×																1	I	İ	t	L	L				
	GET FREEZE	×	-											H			4	+	+	+	+	-	-				
14 (GET SIGNALSTATUS	-																1	İ	I	İ						
115	GET LAMPCOUNTER	-	-															+	+	-	+	1-	Ι-				
116	GET ERR	_	-															1	Ŧ	T	F	-	=				
117 (GET PRODCODE		-															<u></u>	t	t	t	E	E				
_		-	_														4					Ŀ	Ę				
118	GET ROMVER	-																	1	t	t		Ē				
119	GET COMVER	_	-											\Box			4	Ŧ	Ŧ	F	E	-	-				

Appendix 2 Table of Response Patterns by Command (3/3)

App	endix 2 Table of Responding	onse P	atterns	by Cor	nmaı	nd (3/3)																					
			numbers of supported					LOCAL											F	REM	OTE						
Item	Commands	SX50	SX7 SX60	Response not send	OFF	OFF2ON	ON	ON2OFF	ON2PMM	PMM	PMM2ON	OFF	OFF2ON	ON									ON2OFF ON2PMM		PMM	PMM2ON	
			X700														Input s		I mar c			BLA					
		01.00**	01.01**											DG	A1	A2	CM V	SV	DV	SC	Х	ON	OFF				
	RANGE POWER																_										
	RANGE AUTOSETEXE	×															_										
	RANGE BLANK	×	<u> </u>													_		+-	<u> </u>				_				
	RANGE INPUT																	-	_								
	RANGE DOTS																	+	₩								
	RANGE TRACK		-											\vdash	_		_	+	₩	-							
	RANGE HPOS RANGE VPOS														-	_	+	+	\vdash				_				
	RANGE HPIX	 	-												-		-	+	₩	-							
	RANGE VPIX	 	-											-	-		-	+	₩	-							
	RANGE SEL													\blacksquare				+	₩	-		_	_				
	RANGE ASPECT																+	+	H								
	RANGE IMAGE													\vdash			-	+	H								
	RANGE BRI																-	+	H								
	RANGE CONT													\vdash				+	\vdash								
	RANGE SHARP													\vdash				+	\vdash								
	RANGE GAMMA	1												\vdash			-	+	 								
	RANGE DGAMMA	1												\vdash			-	+	 								
	RANGE PROG																	1									
	RANGE WB																	1		-							
	RANGE WBRGB																	\top									
	RANGE SAT																										
	RANGE HUE																-	-									
143	RANGE RGBGAIN	×																1		-							
	RANGE RGBOFFSET	×																\top	1								
	RANGE ACADJUST		×																			-	-				
146	RANGE MEMCADJ	×																									
147	RANGE 6AXADJ	×																									
	RANGE 6AXR ~ Y																										
149	RANGE VKS																										
	RANGE HKS																										
	RANGE AVOL																										
	RANGE MUTE																										
	RANGE BVOL																										
	RANGE IMAGEFLIP																										
	RANGE PMM																										
	RANGE PJON																										
	RANGE NOSIG																										
	RANGE NOSHOW																										
	RANGE LOGOPOS																_										
	RANGE LANG																	4—	<u> </u>								
	RANGE LAMP	├	 											\vdash	-			-	-	Щ	-						
	RANGE TERMINAL	1	×											\vdash				+	\vdash			-	_				
	RANGE KEYLOCK	 	 											\vdash			-	+									
	RANGE RCCH RANGE GUIDE	 	 											\vdash	\vdash			+	1		\vdash						
	RANGE GUIDE	×	 											\vdash				+	\vdash								
	RANGE LEDILLUMINATE	×	 											\vdash				+	\vdash								
	RANGE ZSTEPDRV	×	 											\vdash				+	\vdash								
	RANGE ZCONTDRV	×	1											\vdash	\vdash		-	+	\vdash	Н	\vdash		-				
	RANGE FSTEPDRV	×	 											\vdash			\vdash		H								
	RANGE FCONTDRV	×	 											\vdash	\vdash			+		Н	\vdash						

Response	_	Status	s
	OK or Normal response	OFF	Ξ
	BUSY	OFF2	C
	INVALID_MODE	ON	Ξ
	INVALID_SOURCE	ON2C	
	NO_SIGNAL	ON2F	'n
	NOT_POWER_SUPPLIED	PMM	
	BAD_SEQUENCE	PMM2	20
	NO_BLANK		
	INPUT_NOT_FOUND		
	No response		

Status	
	Power Off
OFF2ON	Transitioning from power off on
	Power ON
ON2OFF	Transitioning from power on off
ON2PMM	Transitioning from power on standby mode
PMM	Standby
PMM2ON	Transitioning from standby power on

	ut signal		
	Digital RGB		Video
			S-Video
	Analog RGB2		Digital Video
	Component		SCART
	Video	×	No signal
SV	S-Video		