RS-232C Specifications and Commands

Computer control

A computer can be used to control the projector by connecting an RS-232C serial control cable (cross type, commercially available) to the projector. (See page 27 on the owner's manual of the projector for connection.)

Communication conditions

Set the serial port settings of the computer to match that of the table.

Signal format: Conforms to RS-232C standard.
Baud rate*: 9,600 bps / 38,400 bps / 115,200 bps
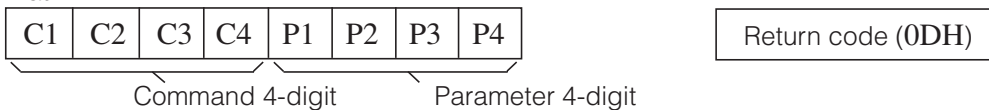Data length: 8 bits
Parity bit: None
Stop bit: 1 bit
Flow control: None

*Set the projector's baud rate to the same rate as used by the computer.

Basic format

Commands from the computer are sent in the following order: command, parameter, and return code. After the projector processes the command from the computer, it sends a response code to the computer.

Command format

| C1 | C2 | C3 | C4 | P1 | P2 | P3 | P4 | | Return code (0DH) |

Command 4-digit   Parameter 4-digit

Response code format

Normal response

| O | K | Return code (0DH) |

Problem response (communication error or incorrect command)

| E | R | R | Return code (0DH) |

📖 Info

- When you have more than one command to give to the projector, send each of them only after the response code for the previous one is received.
- "POWR????", "TABN _ _ _ 1", "TLPS _ _ _ 1", "TLPS _ _ _ 2", "TPOW _ _ _ 1", "TLPN _ _ _ 1", "TLTT _ _ _ 1", "TLTT _ _ _ 2", "TLTM _ _ _ 1", "TLTM _ _ _ 2", "TLTL _ _ _ 1", "TLTL _ _ _ 2", "TNAM _ _ _ 1", "MNRD _ _ _ 1", "SNRD _ _ _ 1", "PJN0 _ _ _ 1"
  - When the projector receives the special commands shown above :
    * The on-screen display will not disappear.
    * The "Auto Power Off" timer will not be reset.
  - The special commands are available for applications that require continuous polling.
    (Do not repeatedly or periodically send any commands other than these special commands in STANDBY mode as it will cause problems.)

✎ Note

- When controlling the projector using the RS-232C commands, you cannot confirm the projector setting values from the computer. To confirm each setting value, send the display command for each menu (e.g. RARE _ _ _ 0), and then refer to the on-screen display. When using the setting/adjustment commands other than the menu display commands, the settings/adjustments are executed without the on-screen display.
- If an underbar (_) appears in the parameter column, enter a space.
- If an asterisk (*) appears in the parameter column, enter a value in the range indicated in brackets under Control Contents.
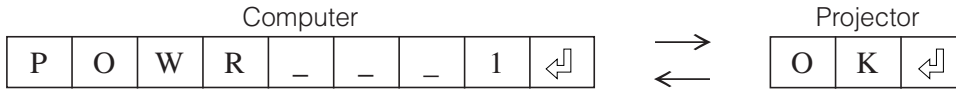
PJLink™ Compliant:
This product conforms with the PJLink standard Class 1 and all Class 1 commands are implemented.
This product confirms with the PJLink standard specification version 1.00.
For additional information, visit "http://pjlink.jbmia.or.jp/english/".

Commands

Example: When turning on the projector, make the following setting.

Computer										Projector		
P	O	W	R	_	_	_	1	↵	⟶ ⟵	O	K	↵

CONTROL CONTENTS		COMMAND				PARAMETER				RETURN	
										Power ON	**Standby mode (or 40-second startup time)**
Power	On	P O W R	_	_	_	1	OK	OK or ERR
	Off	P O W R	_	_	_	0	OK or ERR	OK
	Status	P O W R	?	?	?	?	1	0
Projector Condition		T A B N	_	_	_	1	0: Normal, 1: Temp High 8: Lamp Life 5% or less 16: Lamp Burn-out 32: Lamp Ignition Failure	0: Normal, 1: Temp High 2: Fan Error, 4: Cover Open 8: Lamp Life 5% or less 16: Lamp Burn-out 32: Lamp Ignition Failure 64: Temp Abnormally High
Lamp	Lamp 1 Status	T L P S	_	_	_	1	0:Off, 1:On, 2:Retry, 3:Waiting, 4:Lamp Error	0:Off, 4:Lamp Error
	Lamp 2 Status	T L P S	_	_	_	2	0:Off, 1:On, 2:Retry, 3:Waiting, 4:Lamp Error	0:Off, 4:Lamp Error
	Lamp Power Status	T P O W	_	_	_	1	1:On, 2:Cooling	0:Off
	Quantity	T L P N	_	_	_	1	2	
	Lamp 1 Usage Time(Hour)	T L T T	_	_	_	1	0 – 9999 (Integer)	
	Lamp 2 Usage Time(Hour)	T L T T	_	_	_	2	0 – 9999 (Integer)	
	Lamp 1 Usage Time(Minute)	T L T M	_	_	_	1	0, 15, 30, 45	
	Lamp 2 Usage Time(Minute)	T L T M	_	_	_	2	0, 15, 30, 45	
	Lamp 1 Life(Percentage)	T L T L	_	_	_	1	0% – 100% (Integer)	
	Lamp 2 Life(Percentage)	T L T L	_	_	_	2	0% – 100% (Integer)	
	Lamp 1 Lamp Timer Reset *1	L P R E	0	0	0	1	ERR	OK or ERR
	Lamp 2 Lamp Timer Reset *1	L P R E	0	0	0	2	ERR	OK or ERR
Name	Model Name Check	T N A M	_	_	_	1	EIPWX5000	
	Model Name Check	M N R D	_	_	_	1	EIP-WX5000	
	Serial No. Check *2	S N R D	_	_	_	1	Serial No.	
	Projector Name Setting 1 (First 4 characters) *3	P J N 1	*	*	*	*	OK or ERR	
	Projector Name Setting 2 (Middle 4 characters) *3	P J N 2	*	*	*	*	OK or ERR	
	Projector Name Setting 3 (Last 4 characters) *3	P J N 3	*	*	*	*	OK or ERR	
	Projector Name Check	P J N 0	_	_	_	1	Projector Name	
Input Change	COMPUTER1	I R G B	_	_	_	1	OK or ERR	ERR
	COMPUTER2	I R G B	_	_	_	2	OK or ERR	ERR
	DVI	I R G B	_	_	_	3	OK or ERR	ERR
	HDMI	I R G B	_	_	_	4	OK or ERR	ERR
	VIDEO	I V E D	_	_	_	1	OK or ERR	ERR
	S-VIDEO	I V E D	_	_	_	2	OK or ERR	ERR
	Input RGB Check	I R G B	?	?	?	?	1: COMPUTER1, 2: COMPUTER2, 3: DVI, 4: HDMI	ERR
	Input Video Check	I V E D	?	?	?	?	1: VIDEO, 2: S-VIDEO	ERR
	Input Mode Check	I M O D	?	?	?	?	1: RGB, 2: Video	ERR
	Input Check	I C H K	?	?	?	?	1:COMPUTER1, 2:COMPUTER2 3: DVI, 4: HDMI, 5: VIDEO, 6: S-VIDEO	ERR
Lens Focus	-255 – +255	L N F O	*	*	*	*	OK or ERR	ERR
Lens Zoom	-255 – +255	L N Z O	*	*	*	*	OK or ERR	ERR
Vertical Lens Shift	-800 – +800	L N S H	*	*	*	*	OK or ERR	ERR
	-800 – +800	L N U D	*	*	*	*	OK or ERR	ERR
Horizontal Lens Shift	-800 – +800	L N L R	*	*	*	*	OK or ERR	ERR
Lens Shift Center		L N P D	_	_	_	1	OK or ERR	ERR
Lens Shutter	Close	L N S T	_	_	_	1	OK or ERR	ERR
	Open	L N S T	_	_	_	0	OK or ERR	ERR
Vertical Keystone	-80 – +80	K E Y S	_	*	*	*	OK or ERR	ERR
	-80 – +80	K E Y V	_	*	*	*	OK or ERR	ERR
Horizontal Keystone	-60 – +60	K E Y H	_	*	*	*	OK or ERR	ERR
Image Resizing	-30 – +30	I M R S	_	*	*	*	OK or ERR	ERR
Volume	Volume(0 – 60)	V O L A	_	_	*	*	OK or ERR	ERR
	Volume up/down(-10 – +10)	V O U D	_	_	*	*	OK or ERR	ERR
Mute	On	M U T E	_	_	_	1	OK or ERR	ERR
	Off	M U T E	_	_	_	0	OK or ERR	ERR
Freeze	On	F R E Z	_	_	_	1	OK or ERR	ERR
	Off	F R E Z	_	_	_	0	OK or ERR	ERR
Auto Sync	Start	A D J S	_	_	_	1	OK or ERR	ERR
Resize	COMPUTER1	Normal	R A S R	_	_	_	1	OK or ERR	ERR
		Stretch	R A S R	_	_	_	2	OK or ERR	ERR
		Dot By Dot	R A S R	_	_	_	3	OK or ERR	ERR
		Smart Stretch	R A S R	_	_	_	4	OK or ERR	ERR
		Full	R A S R	_	_	_	5	OK or ERR	ERR
		Area Zoom	R A S R	_	_	1	0	OK or ERR	ERR
		V-Stretch	R A S R	_	_	1	1	OK or ERR	ERR

RS-232C Specifications and Commands

CONTROL CONTENTS			COMMAND				PARAMETER				RETURN	
											Power ON	Standby mode (or 40-second startup time)
Resize	COMPUTER2	Normal	R	B	S	R	_	_	_	1	OK or ERR	ERR
		Stretch	R	B	S	R	_	_	_	2	OK or ERR	ERR
		Dot By Dot	R	B	S	R	_	_	_	3	OK or ERR	ERR
		Smart Stretch	R	B	S	R	_	_	_	4	OK or ERR	ERR
		Full	R	B	S	R	_	_	_	5	OK or ERR	ERR
		Area Zoom	R	B	S	R	_	_	1	0	OK or ERR	ERR
		V-Stretch	R	B	S	R	_	_	1	1	OK or ERR	ERR
	DVI	Normal	R	C	S	R	_	_	_	1	OK or ERR	ERR
		Stretch	R	C	S	R	_	_	_	2	OK or ERR	ERR
		Dot By Dot	R	C	S	R	_	_	_	3	OK or ERR	ERR
		Smart Stretch	R	C	S	R	_	_	_	4	OK or ERR	ERR
		Full	R	C	S	R	_	_	_	5	OK or ERR	ERR
		Area Zoom	R	C	S	R	_	_	1	0	OK or ERR	ERR
		V-Stretch	R	C	S	R	_	_	1	1	OK or ERR	ERR
	HDMI	Normal	R	D	S	R	_	_	_	1	OK or ERR	ERR
		Stretch	R	D	S	R	_	_	_	2	OK or ERR	ERR
		Dot By Dot	R	D	S	R	_	_	_	3	OK or ERR	ERR
		Smart Stretch	R	D	S	R	_	_	_	4	OK or ERR	ERR
		Full	R	D	S	R	_	_	_	5	OK or ERR	ERR
		Area Zoom	R	D	S	R	_	_	1	0	OK or ERR	ERR
		V-Stretch	R	D	S	R	_	_	1	1	OK or ERR	ERR
	VIDEO	Normal	R	A	S	V	_	_	_	1	OK or ERR	ERR
		Stretch	R	A	S	V	_	_	_	2	OK or ERR	ERR
		Smart Stretch	R	A	S	V	_	_	_	4	OK or ERR	ERR
		Area Zoom	R	A	S	V	_	_	1	0	OK or ERR	ERR
		V-Stretch	R	A	S	V	_	_	1	1	OK or ERR	ERR
	S-VIDEO	Normal	R	B	S	V	_	_	_	1	OK or ERR	ERR
		Stretch	R	B	S	V	_	_	_	2	OK or ERR	ERR
		Smart Stretch	R	B	S	V	_	_	_	4	OK or ERR	ERR
		Area Zoom	R	B	S	V	_	_	1	0	OK or ERR	ERR
		V-Stretch	R	B	S	V	_	_	1	1	OK or ERR	ERR
COMPUTER1 input	Picture Mode	Standard	R	A	P	S	_	_	1	0	OK or ERR	ERR
		Presentation	R	A	P	S	_	_	1	1	OK or ERR	ERR
		Movie	R	A	P	S	_	_	1	2	OK or ERR	ERR
		Custom	R	A	P	S	_	_	1	3	OK or ERR	ERR
	Contrast	-30 – +30	R	A	P	I	_	*	*	*	OK or ERR	ERR
	Bright	-30 – +30	R	A	B	R	_	*	*	*	OK or ERR	ERR
	Color	-30 – +30	R	A	C	O	_	*	*	*	OK or ERR	ERR
	Tint	-30 – +30	R	A	T	I	_	*	*	*	OK or ERR	ERR
	Red	-30 – +30	R	A	R	D	_	*	*	*	OK or ERR	ERR
	Green	-30 – +30	R	A	G	N	_	*	*	*	OK or ERR	ERR
	Blue	-30 – +30	R	A	B	E	_	*	*	*	OK or ERR	ERR
	Sharp	-30 – +30	R	A	S	H	_	*	*	*	OK or ERR	ERR
	CLR Temp *4		R	A	C	T	_	*	*	*	OK or ERR	ERR
	Progressive	2D Progressive	R	A	I	P	_	_	_	0	OK or ERR	ERR
		3D Progressive	R	A	I	P	_	_	_	1	OK or ERR	ERR
		Film	R	A	I	P	_	_	_	2	OK or ERR	ERR
	DNR	Off	R	A	N	R	_	_	_	0	OK or ERR	ERR
		Level 1	R	A	N	R	_	_	_	1	OK or ERR	ERR
		Level 2	R	A	N	R	_	_	_	2	OK or ERR	ERR
		Level 3	R	A	N	R	_	_	_	3	OK or ERR	ERR
	Adjustment Reset		R	A	R	E	_	_	_	1	OK or ERR	ERR
	Signal Type	Auto	I	A	S	I	_	_	_	0	OK or ERR	ERR
		RGB	I	A	S	I	_	_	_	1	OK or ERR	ERR
		Component	I	A	S	I	_	_	_	2	OK or ERR	ERR
	Display (Status display)		R	A	R	E	_	_	_	0	OK or ERR	ERR
COMPUTER2 input	Picture Mode	Standard	R	B	P	S	_	_	1	0	OK or ERR	ERR
		Presentation	R	B	P	S	_	_	1	1	OK or ERR	ERR
		Movie	R	B	P	S	_	_	1	2	OK or ERR	ERR
		Custom	R	B	P	S	_	_	1	3	OK or ERR	ERR
	Contrast	-30 – +30	R	B	P	I	_	*	*	*	OK or ERR	ERR
	Bright	-30 – +30	R	B	B	R	_	*	*	*	OK or ERR	ERR
	Color	-30 – +30	R	B	C	O	_	*	*	*	OK or ERR	ERR
	Tint	-30 – +30	R	B	T	I	_	*	*	*	OK or ERR	ERR
	Red	-30 – +30	R	B	R	D	_	*	*	*	OK or ERR	ERR
	Green	-30 – +30	R	B	G	N	_	*	*	*	OK or ERR	ERR
	Blue	-30 – +30	R	B	B	E	_	*	*	*	OK or ERR	ERR
	Sharp	-30 – +30	R	B	S	H	_	*	*	*	OK or ERR	ERR
	CLR Temp *4		R	B	C	T	_	*	*	*	OK or ERR	ERR
	Progressive	2D Progressive	R	B	I	P	_	_	_	0	OK or ERR	ERR
		3D Progressive	R	B	I	P	_	_	_	1	OK or ERR	ERR
		Film	R	B	I	P	_	_	_	2	OK or ERR	ERR
	DNR	Off	R	B	N	R	_	_	_	0	OK or ERR	ERR
		Level 1	R	B	N	R	_	_	_	1	OK or ERR	ERR
		Level 2	R	B	N	R	_	_	_	2	OK or ERR	ERR
		Level 3	R	B	N	R	_	_	_	3	OK or ERR	ERR
	Adjustment Reset		R	B	R	E	_	_	_	1	OK or ERR	ERR
	Signal Type	Auto	I	B	S	I	_	_	_	0	OK or ERR	ERR
		RGB	I	B	S	I	_	_	_	1	OK or ERR	ERR
		Component	I	B	S	I	_	_	_	2	OK or ERR	ERR
	Display (Status display)		R	B	R	E	_	_	_	0	OK or ERR	ERR

RS-232C Specifications and Commands

CONTROL CONTENTS			COMMAND	PARAMETER	RETURN	
					Power ON	Standby mode (or 40-second startup time)
DVI input	Picture Mode	Standard	R C P S	_ _ 1 0	OK or ERR	ERR
		Presentation	R C P S	_ _ 1 1	OK or ERR	ERR
		Movie	R C P S	_ _ 1 2	OK or ERR	ERR
		Custom	R C P S	_ _ 1 3	OK or ERR	ERR
	Contrast	-30 – +30	R C P I	_ * * *	OK or ERR	ERR
	Bright	-30 – +30	R C B R	_ * * *	OK or ERR	ERR
	Color	-30 – +30	R C C O	_ * * *	OK or ERR	ERR
	Tint	-30 – +30	R C T I	_ * * *	OK or ERR	ERR
	Red	-30 – +30	R C R D	_ * * *	OK or ERR	ERR
	Green	-30 – +30	R C G N	_ * * *	OK or ERR	ERR
	Blue	-30 – +30	R C B E	_ * * *	OK or ERR	ERR
	Sharp	-30 – +30	R C S H	_ * * *	OK or ERR	ERR
	CLR Temp *4		R C C T	_ * * *	OK or ERR	ERR
	Progressive	2D Progressive	R C I P	_ _ _ 0	OK or ERR	ERR
		3D Progressive	R C I P	_ _ _ 1	OK or ERR	ERR
		Film	R C I P	_ _ _ 2	OK or ERR	ERR
	DNR	Off	R C N R	_ _ _ 0	OK or ERR	ERR
		Level 1	R C N R	_ _ _ 1	OK or ERR	ERR
		Level 2	R C N R	_ _ _ 2	OK or ERR	ERR
		Level 3	R C N R	_ _ _ 3	OK or ERR	ERR
	Adjustment Reset		R C R E	_ _ _ 1	OK or ERR	ERR
	Signal Type	D. PC RGB	I C S I	_ _ _ 3	OK or ERR	ERR
		D. PC Component	I C S I	_ _ _ 4	OK or ERR	ERR
		D. Video RGB	I C S I	_ _ _ 5	OK or ERR	ERR
		D. Video Component	I C S I	_ _ _ 6	OK or ERR	ERR
	Dynamic Range	Auto	H M C D	_ _ _ 0	OK or ERR	ERR
		Standard	H M C D	_ _ _ 1	OK or ERR	ERR
		Enhanced	H M C D	_ _ _ 2	OK or ERR	ERR
	Color Space	Auto	H M C C	_ _ _ 0	OK or ERR	ERR
		ITU601	H M C C	_ _ _ 1	OK or ERR	ERR
		ITU709	H M C C	_ _ _ 2	OK or ERR	ERR
	Display (Status display)		R C R E	_ _ _ 0	OK or ERR	ERR
HDMI input	Picture Mode	Standard	R D P S	_ _ 1 0	OK or ERR	ERR
		Presentation	R D P S	_ _ 1 1	OK or ERR	ERR
		Movie	R D P S	_ _ 1 2	OK or ERR	ERR
		Custom	R D P S	_ _ 1 3	OK or ERR	ERR
	Contrast	-30 – +30	R D P I	_ * * *	OK or ERR	ERR
	Bright	-30 – +30	R D B R	_ * * *	OK or ERR	ERR
	Color	-30 – +30	R D C O	_ * * *	OK or ERR	ERR
	Tint	-30 – +30	R D T I	_ * * *	OK or ERR	ERR
	Red	-30 – +30	R D R D	_ * * *	OK or ERR	ERR
	Green	-30 – +30	R D G N	_ * * *	OK or ERR	ERR
	Blue	-30 – +30	R D B E	_ * * *	OK or ERR	ERR
	Sharp	-30 – +30	R D S H	_ * * *	OK or ERR	ERR
	CLR Temp *4		R D C T	_ * * *	OK or ERR	ERR
	Progressive	2D Progressive	R D I P	_ _ _ 0	OK or ERR	ERR
		3D Progressive	R D I P	_ _ _ 1	OK or ERR	ERR
		Film	R D I P	_ _ _ 2	OK or ERR	ERR
	DNR	Off	R D N R	_ _ _ 0	OK or ERR	ERR
		Level 1	R D N R	_ _ _ 1	OK or ERR	ERR
		Level 2	R D N R	_ _ _ 2	OK or ERR	ERR
		Level 3	R D N R	_ _ _ 3	OK or ERR	ERR
	Adjustment Reset		R D R E	_ _ _ 1	OK or ERR	ERR
	Signal Type	D. Video Auto	I D S I	_ _ 2 0	OK or ERR	ERR
		D. Video RGB	I D S I	_ _ _ 5	OK or ERR	ERR
		D. Video Component	I D S I	_ _ _ 6	OK or ERR	ERR
		D. PC RGB	I D S I	_ _ _ 3	OK or ERR	ERR
		D. PC Component	I D S I	_ _ _ 4	OK or ERR	ERR
	Dynamic Range	Auto	H M D D	_ _ _ 0	OK or ERR	ERR
		Standard	H M D D	_ _ _ 1	OK or ERR	ERR
		Enhanced	H M D D	_ _ _ 2	OK or ERR	ERR
	Color Space	Auto	H M D C	_ _ _ 0	OK or ERR	ERR
		ITU601	H M D C	_ _ _ 1	OK or ERR	ERR
		ITU709	H M D C	_ _ _ 2	OK or ERR	ERR
	Display (Status display)		R D R E	_ _ _ 0	OK or ERR	ERR
VIDEO input	Picture Mode	Standard	V A P S	_ _ 1 0	OK or ERR	ERR
		Presentation	V A P S	_ _ 1 1	OK or ERR	ERR
		Movie	V A P S	_ _ 1 2	OK or ERR	ERR
		Custom	V A P S	_ _ 1 3	OK or ERR	ERR
	Contrast	-30 – +30	V A P I	_ * * *	OK or ERR	ERR
	Bright	-30 – +30	V A B R	_ * * *	OK or ERR	ERR
	Color	-30 – +30	V A C O	_ * * *	OK or ERR	ERR
	Tint	-30 – +30	V A T I	_ * * *	OK or ERR	ERR
	Red	-30 – +30	V A R D	_ * * *	OK or ERR	ERR
	Green	-30 – +30	V A G N	_ * * *	OK or ERR	ERR
	Blue	-30 – +30	V A B E	_ * * *	OK or ERR	ERR
	Sharp	-30 – +30	V A S H	_ * * *	OK or ERR	ERR
	CLR Temp *4		V A C T	_ * * *	OK or ERR	ERR
	Progressive	2D Progressive	V A I P	_ _ _ 0	OK or ERR	ERR
		3D Progressive	V A I P	_ _ _ 1	OK or ERR	ERR
		Film	V A I P	_ _ _ 2	OK or ERR	ERR
	DNR	Off	V A N R	_ _ _ 0	OK or ERR	ERR
		Level 1	V A N R	_ _ _ 1	OK or ERR	ERR
		Level 2	V A N R	_ _ _ 2	OK or ERR	ERR
		Level 3	V A N R	_ _ _ 3	OK or ERR	ERR
	Adjustment Reset		V A R E	_ _ _ 1	OK or ERR	ERR
	Display (Status display)		V A R E	_ _ _ 0	OK or ERR	ERR

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CONTROL CONTENTS			COMMAND	PARAMETER	RETURN Power ON	RETURN Standby mode (or 40-second startup time)
S-VIDEO input	Picture Mode	Standard	V B P S	_ _ _ 1 0	OK or ERR	ERR
		Presentation	V B P S	_ _ _ 1 1	OK or ERR	ERR
		Movie	V B P S	_ _ _ 1 2	OK or ERR	ERR
		Custom	V B P S	_ _ _ 1 3	OK or ERR	ERR
	Contrast	-30 – +30	V B P I	_ _ * * *	OK or ERR	ERR
	Bright	-30 – +30	V B B R	_ _ * * *	OK or ERR	ERR
	Color	-30 – +30	V B C O	_ _ * * *	OK or ERR	ERR
	Tint	-30 – +30	V B T I	_ _ * * *	OK or ERR	ERR
	Red	-30 – +30	V B R D	_ _ * * *	OK or ERR	ERR
	Green	-30 – +30	V B G N	_ _ * * *	OK or ERR	ERR
	Blue	-30 – +30	V B B E	_ _ * * *	OK or ERR	ERR
	Sharp	-30 – +30	V B S H	_ _ * * *	OK or ERR	ERR
	CLR Temp *4		V B C T	_ _ * * *	OK or ERR	ERR
	Progressive	2D Progressive	V B I P	_ _ _ _ 0	OK or ERR	ERR
		3D Progressive	V B I P	_ _ _ _ 1	OK or ERR	ERR
		Film	V B I P	_ _ _ _ 2	OK or ERR	ERR
	DNR	Off	V B N R	_ _ _ _ 0	OK or ERR	ERR
		Level 1	V B N R	_ _ _ _ 1	OK or ERR	ERR
		Level 2	V B N R	_ _ _ _ 2	OK or ERR	ERR
		Level 3	V B N R	_ _ _ _ 3	OK or ERR	ERR
	Adjustment Reset		V B R E	_ _ _ _ 1	OK or ERR	ERR
	Display (Status display)		V B R E	_ _ _ _ 0	OK or ERR	ERR
C.M.S. Adjustment	COMPUTER1	Standard	C S R A	_ _ _ 0 0	OK or ERR	ERR
		sRGB	C S R A	_ _ _ 0 1	OK or ERR	ERR
		Custom1	C S R A	_ _ _ 1 1	OK or ERR	ERR
		Custom2	C S R A	_ _ _ 1 2	OK or ERR	ERR
		Custom3	C S R A	_ _ _ 1 3	OK or ERR	ERR
	COMPUTER2	Standard	C S R B	_ _ _ 0 0	OK or ERR	ERR
		sRGB	C S R B	_ _ _ 0 1	OK or ERR	ERR
		Custom1	C S R B	_ _ _ 1 1	OK or ERR	ERR
		Custom2	C S R B	_ _ _ 1 2	OK or ERR	ERR
		Custom3	C S R B	_ _ _ 1 3	OK or ERR	ERR
	DVI	Standard	C S R C	_ _ _ 0 0	OK or ERR	ERR
		sRGB	C S R C	_ _ _ 0 1	OK or ERR	ERR
		Custom1	C S R C	_ _ _ 1 1	OK or ERR	ERR
		Custom2	C S R C	_ _ _ 1 2	OK or ERR	ERR
		Custom3	C S R C	_ _ _ 1 3	OK or ERR	ERR
	HDMI	Standard	C S R D	_ _ _ 0 0	OK or ERR	ERR
		sRGB	C S R D	_ _ _ 0 1	OK or ERR	ERR
		Custom1	C S R D	_ _ _ 1 1	OK or ERR	ERR
		Custom2	C S R D	_ _ _ 1 2	OK or ERR	ERR
		Custom3	C S R D	_ _ _ 1 3	OK or ERR	ERR
	VIDEO	Standard	C S V A	_ _ _ 0 0	OK or ERR	ERR
		Custom1	C S V A	_ _ _ 1 1	OK or ERR	ERR
		Custom2	C S V A	_ _ _ 1 2	OK or ERR	ERR
		Custom3	C S V A	_ _ _ 1 3	OK or ERR	ERR
	S-VIDEO	Standard	C S V B	_ _ _ 0 0	OK or ERR	ERR
		Custom1	C S V B	_ _ _ 1 1	OK or ERR	ERR
		Custom2	C S V B	_ _ _ 1 2	OK or ERR	ERR
		Custom3	C S V B	_ _ _ 1 3	OK or ERR	ERR
	Target	Red	C M T G	_ _ _ _ 1	OK or ERR	ERR
		Yellow	C M T G	_ _ _ _ 2	OK or ERR	ERR
		Green	C M T G	_ _ _ _ 3	OK or ERR	ERR
		Cyan	C M T G	_ _ _ _ 4	OK or ERR	ERR
		Blue	C M T G	_ _ _ _ 5	OK or ERR	ERR
		Magenta	C M T G	_ _ _ _ 6	OK or ERR	ERR
	Lightness	-30 – +30	C M S L	_ _ * * *	OK or ERR	ERR
	Chroma	-30 – +30	C M S C	_ _ * * *	OK or ERR	ERR
	Hue	-30 – +30	C M S H	_ _ * * *	OK or ERR	ERR
	Reset (This Color)		C M R E	_ _ _ _ 1	OK or ERR	ERR
	Reset (All Colors)		C M R E	_ _ _ _ 2	OK or ERR	ERR
Clock	-150 – +150		I N C L	_ * * * *	OK or ERR	ERR
Phase	-30 – +30		I N P H	_ _ * * *	OK or ERR	ERR
H-position	-150 – +150		I A H P	_ * * * *	OK or ERR	ERR
V-position	-60 – +60		I A V P	_ * * * *	OK or ERR	ERR
Fine Sync Adjustment Reset			I A R E	_ _ _ _ 1	OK or ERR	ERR
Save Setting	1 – 7		M E M S	_ _ _ _ *	OK or ERR	ERR
Select Setting	1 – 7		M E M L	_ _ _ _ *	OK or ERR	ERR
RGB Frequency Check	Horizontal		T F R Q	_ _ _ _ 1	kHz (***. * or ERR)	ERR
	Vertical		T F R Q	_ _ _ _ 2	Hz (***. * or ERR)	ERR
Auto Sync	Off		A A D J	_ _ _ _ 0	OK or ERR	ERR
	Normal		A A D J	_ _ _ _ 1	OK or ERR	ERR
	High Speed		A A D J	_ _ _ _ 2	OK or ERR	ERR
Auto Sync Display	Background		I M A S	_ _ _ _ 1	OK or ERR	ERR
	Adjusting Disp.		I M A S	_ _ _ _ 0	OK or ERR	ERR
Fine Sync Display (Status display)			I A R E	_ _ _ _ 0	OK or ERR	ERR
Balance	-30 – +30		A A B L	_ _ * * *	OK or ERR	ERR
Treble	-30 – +30		A A T E	_ _ * * *	OK or ERR	ERR
Bass	-30 – +30		A A B A	_ _ * * *	OK or ERR	ERR
Audio Adjustment Reset			A A R E	_ _ _ _ 1	OK or ERR	ERR
Audio Out	FAO		A O U T	_ _ _ _ 1	OK or ERR	ERR
	VAO		A O U T	_ _ _ _ 2	OK or ERR	ERR
Speaker	On		A S P K	_ _ _ _ 1	OK or ERR	ERR
	Off		A S P K	_ _ _ _ 0	OK or ERR	ERR
Audio Display (Status display)			A A R E	_ _ _ _ 0	OK or ERR	ERR
Pict in Pict	Bottom Right		P I N P	_ _ _ 1 1	OK or ERR	ERR
	Bottom Left		P I N P	_ _ _ 1 2	OK or ERR	ERR
	Upper Right		P I N P	_ _ _ 1 3	OK or ERR	ERR
	Upper Left		P I N P	_ _ _ 1 4	OK or ERR	ERR
	Off		P I N P	_ _ _ _ 0	OK or ERR	ERR

RS-232C Specifications and Commands

CONTROL CONTENTS		COMMAND	PARAMETER	RETURN Power ON	Standby mode (or 40-second startup time)
Digital Shift	-40 – +40	L N D S	* * _ *	OK or ERR	ERR
OSD Display	Normal	I M D I	_ _ _ 1	OK or ERR	ERR
	Level A	I M D I	_ _ _ 2	OK or ERR	ERR
	Level B	I M D I	_ _ _ 0	OK or ERR	ERR
Video System Selection	Auto	M E S Y	_ _ _ 1	OK or ERR	ERR
	PAL	M E S Y	_ _ _ 2	OK or ERR	ERR
	SECAM	M E S Y	_ _ _ 3	OK or ERR	ERR
	NTSC 4.43	M E S Y	_ _ _ 4	OK or ERR	ERR
	NTSC 3.58	M E S Y	_ _ _ 5	OK or ERR	ERR
	PAL – M	M E S Y	_ _ _ 6	OK or ERR	ERR
	PAL – N	M E S Y	_ _ _ 7	OK or ERR	ERR
Background Selection	Logo	I M B G	_ _ _ 1	OK or ERR	ERR
	Custom	I M B G	_ _ _ 2	OK or ERR	ERR
	Blue	I M B G	_ _ _ 3	OK or ERR	ERR
	None	I M B G	_ _ _ 4	OK or ERR	ERR
Startup Image Selection	Logo	I M S I	_ _ _ 1	OK or ERR	ERR
	Custom	I M S I	_ _ _ 2	OK or ERR	ERR
	None	I M S I	_ _ _ 3	OK or ERR	ERR
Eco Mode	On	T H M D	_ _ _ 1	OK or ERR	ERR
	Off	T H M D	_ _ _ 0	OK or ERR	ERR
Auto Search	On	I N S E	_ _ _ 1	OK or ERR	ERR
	Off	I N S E	_ _ _ 0	OK or ERR	ERR
Auto Power Off	On	A P O W	_ _ _ 1	OK or ERR	ERR
	Off	A P O W	_ _ _ 0	OK or ERR	ERR
Lamp Mode	Both Lamps	L P M D	_ _ _ 0	OK or ERR	ERR
	Lamp 1 Only	L P M D	_ _ _ 1	OK or ERR	ERR
	Lamp 2 Only	L P M D	_ _ _ 2	OK or ERR	ERR
	Equal Use	L P M D	_ _ _ 3	OK or ERR	ERR
Lens Type	Type 1 (AH-55201)	L N T Y	_ _ _ 1	OK or ERR	ERR
	Type 2 (AH-55301)	L N T Y	_ _ _ 2	OK or ERR	ERR
	Type 3 (AH-55401)	L N T Y	_ _ _ 3	OK or ERR	ERR
	Type 4 (AH-55501)	L N T Y	_ _ _ 4	OK or ERR	ERR
	Type 5 (AH-55601)	L N T Y	_ _ _ 5	OK or ERR	ERR
	Type 6 (AH-55701)	L N T Y	_ _ _ 6	OK or ERR	ERR
	Type 7 (AH-55801)	L N T Y	_ _ _ 7	OK or ERR	ERR
PRJ Mode	Reverse On	I M R E	_ _ _ 1	OK or ERR	ERR
	Reverse Off	I M R E	_ _ _ 0	OK or ERR	ERR
	Invert On	I M I N	_ _ _ 1	OK or ERR	ERR
	Invert Off	I M I N	_ _ _ 0	OK or ERR	ERR
Stack Setting	Normal	S T A K	_ _ _ 0	OK or ERR	ERR
	Master	S T A K	_ _ _ 1	OK or ERR	ERR
	Slave	S T A K	_ _ _ 2	OK or ERR	ERR
Keylock Level	Normal	K E Y L	_ _ _ 0	OK or ERR	ERR
	Level A	K E Y L	_ _ _ 1	OK or ERR	ERR
	Level B	K E Y L	_ _ _ 2	OK or ERR	ERR
Set Inputs	COMPUTER1 ON	R A S I	_ _ _ 1	OK or ERR	ERR
	COMPUTER1 OFF	R A S I	_ _ _ 0	OK or ERR	ERR
	COMPUTER2 ON	R B S I	_ _ _ 1	OK or ERR	ERR
	COMPUTER2 OFF	R B S I	_ _ _ 0	OK or ERR	ERR
	DVI ON	R C S I	_ _ _ 1	OK or ERR	ERR
	DVI OFF	R C S I	_ _ _ 0	OK or ERR	ERR
	HDMI ON	R D S I	_ _ _ 1	OK or ERR	ERR
	HDMI OFF	R D S I	_ _ _ 0	OK or ERR	ERR
	VIDEO ON	V A S I	_ _ _ 1	OK or ERR	ERR
	VIDEO OFF	V A S I	_ _ _ 0	OK or ERR	ERR
	S-VIDEO ON	V B S I	_ _ _ 1	OK or ERR	ERR
	S-VIDEO OFF	V B S I	_ _ _ 0	OK or ERR	ERR
Fan Mode	Normal	H L M D	_ _ _ 0	OK or ERR	ERR
	High	H L M D	_ _ _ 1	OK or ERR	ERR
Auto Restart	On	A R E S	_ _ _ 1	OK or ERR	ERR
	Off	A R E S	_ _ _ 0	OK or ERR	ERR
Monitor Out	Enable	M O U T	_ _ _ 1	OK or ERR	ERR
	Disable	M O U T	_ _ _ 0	OK or ERR	ERR
LAN/RS232C	Enable	L N R S	_ _ _ 1	OK or ERR	ERR
	Disable	L N R S	_ _ _ 0	OK or ERR	*5
Language	ENGLISH	M E L A	_ _ _ 1	OK or ERR	ERR
	DEUTSCH	M E L A	_ _ _ 2	OK or ERR	ERR
	ESPAÑOL	M E L A	_ _ _ 3	OK or ERR	ERR
	NEDERLANDS	M E L A	_ _ _ 4	OK or ERR	ERR
	FRANÇAIS	M E L A	_ _ _ 5	OK or ERR	ERR
	ITALIANO	M E L A	_ _ _ 6	OK or ERR	ERR
	SVENSKA	M E L A	_ _ _ 7	OK or ERR	ERR
	日本語	M E L A	_ _ _ 8	OK or ERR	ERR
	PORTUGUÊS	M E L A	_ _ _ 9	OK or ERR	ERR
	汉语	M E L A	_ _ 1 0	OK or ERR	ERR
	한국어	M E L A	_ _ 1 1	OK or ERR	ERR
	Русский	M E L A	_ _ 1 2	OK or ERR	ERR
	عربي	M E L A	_ _ 1 3	OK or ERR	ERR
	polski	M E L A	_ _ 1 4	OK or ERR	ERR
	Türkçe	M E L A	_ _ 1 5	OK or ERR	ERR
	فارسى	M E L A	_ _ 1 6	OK or ERR	ERR
All Reset *6		A L R E	_ _ _ 1	OK or ERR	ERR

*1 Lamp Timer Reset command is available only in standby mode.
*2 Serial No. Check command is used to read out the 12 digits of serial No..
*3 For setting the projector name, send the commands in order of PJN1, PJN2 and PJN3.
*4 Parameters of CLR Temp settings are as follows.

CLR Temp	Parameter				CLR Temp	Parameter				CLR Temp	Parameter			
4500K	_	0	4	5	7500K	_	0	7	5	10500K	_	1	0	5
5500K	_	0	5	5	8500K	_	0	8	5					
6500K	_	0	6	5	9300K	_	0	9	3					

*5 Because the RS-232C function stops, the projector send no response code.
*6 See page 65 on the owner's manual of the projector for the initialized items by using "All Reset".