

**0. Setup**

**RS-232**

**IR**

Controller CXPD

Cable	Supplied w/ Projector (P/N 645 039 7219)
Connections	Computer: DB9; Projector: 8 Pin DIN Control Port
Pinouts: Transmit	Computer: Pin 3; Projector: Pin 6
Pinouts: Receive	Computer: Pin 2; Projector: Pin 1
Pinouts: Ground	Computer: Pin 5; Projector: Pin 4
Settings	19,200 baud, 8N1
Delimiter	(after each command) CR
Minimum Interval	Command: 1 second; Status Read: 2 seconds; Input or Mode Change: 5 seconds

**1. Control Commands**

**RS-232 Command (ASCII)**

**IR Command (HEX)**

	RS-232 Command (ASCII)	IR Command (HEX)
Power ON	C00	00
Power OFF	C02	
Compulsory Power OFF	C01	
Input 1 - Computer Input 1	C05	38
Input 2 - Computer Input 2	C06	39
Input 3 - Video Input 1	C07	06
Input 4 - Video Input 2	C08	08
Volume +	C09	1D
Volume -	C0A	1E
Audio mute ON	C0B	0B
Audio mute OFF	C0C	
No Show ON	C0D	8B
No Show OFF	C0E	
Regular video image (4:3)	C0F	
Wide video image (16:9)	C10	
Menu ON	C1C	1C
Menu OFF	C1D	
Display clear	C1E	
Image (toggle)	C27	0C
Digital Zoom +	C30	01
Digital Zoom -	C31	02
Pointer right	C3A	1D
Pointer left	C3B	1E
Pointer up	C3C	8C
Pointer down	C3D	8D
Select/Enter	C3F	0F
Freeze ON	C43	43
Freeze OFF	C44	
Zoom down	C46	46
Zoom up	C47	47
Focus down	C4A	4B
Focus up	C4B	4A
Lens shift up	C5D	5D
Lens shift down	C5E	5E
Auto PC Adj. / Auto Image	C89	89
Presentation timer (on/off)	C8A	8A
Digital Keystone +	C8E	5B, 8C
Digital Keystone -	C8F	5B, 8D
Digital Keystone Left	C91	5B, 1E
Digital Keystone Right	C90	5B, 1D
Color Management	C4E	3B
Input 1 RGB	C50	
Input 1 S-CART	C51	
Input 2 Monitor-out	C26	
Input 2 RGB	C25	
Input 3 Composite	C33	
Input 3 Component	C35	
Input 4 Composite	C81	
Input 4 S-Video	C-82	
Input 4 Component	C-83	

Lamp Mode - Normal	CF_LAMPHMODE_NORMAL	
Lamp Mode - Eco (Quiet)	CF_LAMPHMODE_ECO	
Lamp Mode - Auto-select	CF_LAMPHMODE_AUTO	

**2. Status Read**

**RS-232 in ASCII**

Power Status Read	CR0
Input mode Read	CR1
Lamp time Read	CR3
Setting Read	CR4
Temp. Read	CR6

2.1 Power Status - CR0

Reply

Power ON	00
Stand by	80
Count down	40
Cooling down	20
Power abnormality	10
Temperature abnormality	28
Temperature abnormality	08
Temperature abnormality	88
Key input prohibition	02
Power Management Cooling	24
Power Management	04

2.2 Input Mode - CR1

Reply

Input 1 - Computer Input 1	1
Input 2 - Computer Input 2	2
Input 3 - Video Input 1	3
Input 4 - Video Input 2	4

2.3 Lamp Time - CR3

Reply

4 digit	####
---------	------

2.4 Setting Read - CR4

Reply

Normally	11
Top/Bottom reversal	10
Left/Right reversal	01
Top/Bottom & Left/Right	00

2.4 Temp Read - CR6

Reply

Each of 3 sensors (°Celcius)	_##.#_##.#_##.#
------------------------------	-----------------

Other Commands and Status Checks are available if required, from EIKI Today.