

0. Setup

Cable	USER SUPPLIED	DB9f~DB9f
Serial Port	Computer : Projector	Serial Port
Pin 3 DB9	Computer : Projector	Pin 3 DB9
Pin 2 DB9	Computer : Projector	Pin 2 DB9
Pin 5 DB9	Computer : Projector	Pin 5 DB9
Settings	(Computer)	19,200 baud, 8N1
Delimiter	(after command)	CR (0Dh) (NO LF)
Interval	Command: 100+ ms	Status Read: 200+ ms

1. Control Command

Command		Function
ASCII	HEX	
C00	43h 30h 30h	Power ON
C01	43h 30h 32h	Power OFF
C05	43h 30h 35h	Input mode 1
C06	43h 30h 36h	Input mode 2
C07	43h 30h 37h	Input mode 3
C08	43h 30h 38h	Input mode 4
C09	43h 30h 39h	Volume+
C0A	43h 30h 41h	Volume-
C0B	43h 30h 42h	Audio mute ON
C0C	43h 30h 43h	Audio mute OFF
C0D	43h 30h 44h	Video mute ON
C0E	43h 30h 45h	Video mute OFF
C0F	43h 30h 46h	Regular video image (4:3)
C10	43h 31h 30h	Wide video image (16:9)
C1C	43h 31h 43h	Menu ON
C1D	43h 31h 44h	Menu OFF
C1E	43h 31h 45h	Display clear
C27	43h 32h 37h	Image
C30	43h 33h 30h	D.Zoom+
C31	43h 33h 31h	D.Zoom-
C3A	43h 33h 41h	Pointer right
C3B	43h 33h 42h	Pointer left
C3C	43h 33h 43h	Pointer up
C3D	43h 33h 44h	Pointer down
C3F	43h 33h 46h	Select
C43	43h 34h 33h	Freeze ON
C44	43h 34h 34h	Freeze OFF
C46	43h 34h 36h	Zoom -
C47	43h 34h 37h	Zoom +
C4A	43h 34h 41h	Focus -
C4B	43h 34h 42h	Focus +
C4F	43h 34h 46h	Cursol
C5D	43h 35h 44h	Lens shift +
C5E	43h 35h 45h	Lens shift -
C5F	43h 35h 46h	Lens shift left
C60	43h 36h 30h	Lens shift right

1. Control Command, continued

C70	43h 37h 30h	Full Lamp mode
C71	43h 37h 31h	Half Lamp mode (1&4)
C72	43h 37h 32h	Half Lamp mode (2&3)
C89	43h 38h 39h	Auto PC Adj.
C8A	43h 38h 41h	Presentation timer
C8E	43h 38h 45h	Keystone+
C8F	43h 38h 46h	Keystone-

2. Status Read Command

Command		Function
ASCII	HEX	
CR0	43h 52h 30h	Status Read
CR1	43h 52h 31h	Input mode
CR3	43h 52h 33h	Lamp time
CR4	43h 52h 34h	Setting
CR6	43h 52h 36h	Temp
CR7	43h 52h 37h	Lamp mode
CR9	43h 52h 39h	PC type
CRA	43h 52h 41h	Status-2

2.1 Status Read (CR0)

		Status
ASCII	HEX	
00	30h 30h	Power ON
80	38h 30h	Stand by
40	34h 30h	Count down
20	32h 30h	Cooling down
10	31h 30h	Power abnormality
28	32h 38h	Temperature abnormality
08	30h 38h	Temperature abnormality
88	38h 38h	Temperature abnormality
02	30h 32h	
24	32h 34h	Cooling down for power save
04	30h 34h	Power save

2.2 Input Mode Read (CR1)

Command		Status
ASCII	HEX	
1	31h	Inout mode 1
2	32h	Input mode 2
3	33h	Input mode 3
4	34h	Input mode 4

2.3 Lamp Time Read (CR3)

Command	Status
**** **** **** ****	4 digit
?) 4 ? ? ? ? ? ? ? ? ? ? ? ?	

2.4 Setting Read (CR4)

Command		Status
ASCII	HEX	
11	31h 31h	Normally
10	31h 30h	Top/Bottom reversal
01	30h 31h	Left/Right reversal
00	30h 30h	Top/Bottom & Left/Right

2.5 Temperature Read (CR6)

Command	Status
**_*_*_*_*_*_*_*_*	Temperature value
_? = ? ? ? ? ? **.*=? ? ? (? : ? ? ? ? 1 ? ? : ? ? ? ? 2	
? ?	

2.6 Lamp Mode Read (CR7)

Command	Status
0*	4 Lamp mode
1*	2 Lamp mode (1&4)
2*	2 Lamp mode (2&3)
*? ? ? ? ? ? ? ? ? ? / ? ? ? ? ? ? ? ? ? ? 0~ 9? A~ F ? ? ?	
0= ? ? ? ? ? ? 1= No.1? ? ? ? ? ? 2= No.2? ? ? ? ? ? 4= No.3? ? ? ? ?	
8= No.4? ? ? ? ? ? 3= No.1&2? ? ? ? ? ? 5= No.1&3? ? ? ? ? ? 9= No.1&4? ? ? ? ?	
6= No.2&3? ? ? ? ? ? A= No.2&4? ? ? ? ? ? C= No.3&4? ? ? ? ? ? 7= No.1&2&3? ? ? ? ?	
B= No.1&2&4? ? ? ? ? ? D= No.1&3&4? ? ? ? ? ? E= No.2&3&4? ? ? ? ? ? F= ? ? ? ? ?	

2.7 PC Type Read (CR9)

Command	Status
Stand by	Stand by
AV Mode	AV mode
*****	PC preset mode
Go PC adj.	Auto
No signal	No signal
	Error

2.8 Status 2 Read (CRA)

Command	Status
00	Video & Audio mute OFF
01	Video mute ON
02	Audio mute ON
03	Video & Audio mute ON

1. RS-232C COMMAND LIST

CODE	LC-XT1	LC-UXT1 / UXT3 LC-XT2 / XT3	LC-X4 / X5 LC-SX4
C00	POWER ON	POWER ON	POWER ON
C01	compulsory POWER OFF	compulsory POWER OFF	compulsory POWER OFF
C02	POWER OFF		
C05	INPUT1 MODE SET	INPUT1 MODE SET	INPUT1 MODE SET
C06	INPUT2 MODE SET	INPUT2 MODE SET	INPUT2 MODE SET
C07	INPUT3 MODE SET	INPUT3 MODE SET	INPUT3 MODE SET
C08	INPUT4 MODE SET	INPUT4 MODE SET	
C09	VOLUME +	VOLUME +	VOLUME +
C0A	VOLUME -	VOLUME -	VOLUME -
C0B	SOUND MUTE ON	SOUND MUTE ON	SOUND MUTE ON
C0C	SOUND MUTE OFF	SOUND MUTE OFF	SOUND MUTE OFF
C0D	VIDEO MUTE ON	NO SHOW ON	NO SHOW ON
C0E	VIDEO MUTE OFF	NO SHOW OFF	NO SHOW OFF
C0F	AV REGULAR SIZE	AV REGULAR SIZE	AV REGULAR SIZE
C10	AV WIDE SIZE	AV WIDE SIZE	AV WIDE SIZE
C1C	MENU ON	MENU ON	MENU ON
C1D	MENU OFF	MENU OFF	MENU OFF
C1E	DISPLAY CLEAR	DISPLAY CLEAR	DISPLAY CLEAR
C1F	NORMAL		
C20			
C21			
C22			
C23			
C24			
C25			
C26			
C27		IMAGE	IMAGE
C28			
C29			
C2A			
C2B			
C2C			
C2D			
C2E			
C2F			
C30	D.Zoom+	D.Zoom+	D.Zoom+
C31	D.Zoom-	D.Zoom-	D.Zoom-
C3A	POINTER RIGHT	POINTER RIGHT	POINTER RIGHT
C3B	POINTER LEFT	POINTER LEFT	POINTER LEFT
C3C	POINTIER UP	POINTIER UP	POINTIER UP
C3D	POINTIER DOWN	POINTIER DOWN	POINTIER DOWN
C3E	MUPO REAR SW		
C3F	ENTER	SELECT	SELECT
C42			
C43	FREEZE ON	FREEZE ON	FREEZE ON
C44	FREEZE OFF	FREEZE OFF	FREEZE OFF
C46	ZOOM DOWN	ZOOM DOWN	ZOOM DOWN
C47	ZOOM UP	ZOOM UP	ZOOM UP
C49			
C4A	FOCUS DOWN	FOCUS DOWN	FOCUS DOWN
C4B	FOCUS UP	FOCUS UP	FOCUS UP
C4D			
C4F	CURSOR		
C59			
C5A			
C5D	LENS SHIFT UP	LENS SHIFT UP	LENS SHIFT UP

CODE	LC-XT1	LC-UXT1 / UXT3 LC-XT2 / XT3	LC-X4 / X5 LC-SX4
C5E	LENS SHIFT DOWN	LENS SHIFT DOWN	LENS SHIFT DOWN
C5F	LENS SHIFT LEFT	LENS SHIFT LEFT	
C60	LENS SHIFT RIGHT	LENS SHIFT RIGHT	
C70	FULL LAMP(4LAMP) MODE	FULL LAMP(4LAMP) MODE	FULL LAMP(2LAMP) MODE
C71	HALF LAMP(2LAMP) 1-4 MODE	HALF LAMP(2LAMP) 1-4 MODE	HALF LAMP(1LAMP) MODE-1
C72	HALF LAMP(1LAMP) 2-3 MODE	HALF LAMP(1LAMP) 2-3 MODE	HALF LAMP(1LAMP) MODE-2
C80			
C87			
C88			
C89	Auto Image	Auto PC ADJ.	Auto PC ADJ.
C8A		Presentation timer	Presentation timer
C8B			
C8C			
C8D			
C8E	Keystone +	Keystone +	Keystone +
C8F	Keystone -	Keystone -	Keystone -
CD0			
CD1			
CD2			
CD3			
CD4			
CD5			
CD6			
CD7			
CD8			
CD9			
CDA			
CDB			

2. RS-232C STATUS LIST

CODE	LC-XT1	LC-UXT1 / UXT3 LC-XT2 / XT3	LC-X4 / X5 LC-SX4
CR0	Status Read	Status Read	Status Read
CR1	Input Mode Read	Input Mode Read	Input Mode Read
CR3	Lamp Time Read	Lamp Time Read	Lamp Time Read
CR4	Setting Read	Setting Read	Setting Read
CR6	TEMP Read	TEMP Read	TEMP Read
CR7	LAMP MODE Read	LAMP MODE Read	LAMP MODE Read
CR9		PC Type Read	PC Type Read
CRA		Status 2 Read	Status 2 Read

3. STATUS READ

00	POWER ON
80	STANDBY
40	COUNT DOWN
20	COOLING DOWN
10	POWER FAIL
28	TEMPERATURE WARNING & COOLING DOWN
08	TEMPERATURE WARNING (POWER ON)
88	TEMPERATURE WARNING and RECOVERED
02	NO KEY INPUT
24	LAMP OFF & TEMPERATURE WARNING by PWR MANAGEMENT
04	LAMP OFF by PWR MANAGEMENT
★ 21	During cooling down after all lamps distinguished
★ 81	Standby after the above

★LC-UXT3/X5/XT3 only

4. INPUT MODE READ

★LC-XT1 / XT2 / XT3 / UXT1 / UXT3

1	INPUT1
2	INPUT2
3	INPUT3
4	INPUT4

★LC-X4 / X5 / SX4

1	INPUT1
2	INPUT2
3	INPUT3

5. LAMP TIME READ

****	4-digit number (Hour)
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6. SETTING READ

11	NORMAL
10	TOP/BOTTOM REVERSE
01	LEFT/RIGHT REVERSE
00	T/B & L/R REVERSE

7. TEMP READ

.**.***.*_	_ : space, *:a digit number
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ex. _31.5_35.2_ : a temperature of 31.5° & 35.2°
 -05.5_-01.2_ : a temperature of -5.5° & -1.2°
 E00.0_35.2_ : ERROR and a temperature of 35.2°

8. LAMP MODE READ

★LC-XT1 / XT2 / XT3 / UXT1 / UXT3 only

**	2-digit number
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4LAMP MODE

00	ALL OFF
01	No.1:ON, No.2,3,4:OFF
02	No.2:ON, No.1,3,4:OFF
04	No.3:ON, No.1,2,4:OFF
08	No.4:ON, No.1,2,3:OFF
03	No.1,2:ON, No.3,4:OFF
05	No.1,3:ON, No.2,4:OFF
09	No.1,4:ON, No.2,3:OFF
06	No.2,3:ON, No.1,4:OFF
0A	No.2,4:ON, No.1,3:OFF
0C	No.3,4:ON, No.1,2:OFF
07	No.1,2,3:ON, No.4:OFF
0B	No.1,2,4:ON, No.3:OFF
0D	No.1,3,4:ON, No.2:OFF
0E	No.2,3,4:ON, No.1:OFF
0F	ALL ON

2LAMP MODE (No.1 & No.4 use)

10	ALL OFF
11	No.1:ON, No.2,3,4:OFF
18	No.4:ON, No.1,2,3:OFF
19	No.1,4:ON, No.2,3:OFF

2LAMP MODE (No.2 & No.3 use)

20	ALL OFF
22	No.2:ON, No.1,3,4:OFF
24	No.3:ON, No.1,2,4:OFF
26	No.2,3:ON, No.1,4:OFF

★LC-X4 / X5 / SX4 only

* *	a two-digit number
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2LAMP MODE

00	ALL OFF
01	No.1:ON, No.2:OFF
02	No.2:ON, No.1:OFF
0F	ALL ON

1LAMP MODE (No.1 use)

10	ALL OFF
11	No.1:ON, No.2:OFF

1LAMP MODE (No.2 use)

20	ALL OFF
22	No.2:ON, No.1:OFF

9. PC TYPE READ

Stand by	Stand by
AV Mode	Video mode
*****	PC SYSTEM (ex. "XGA1")
Go PC adj.	Auto
No signal	No Signal

10. STATUS 2 READ

00	Video & Audio MUTE OFF
01	Video MUTE ON
02	Audio MUTE ON
03	Video & Audio MUTE ON