

Appendix C

RS232 Control Code

Baud Rate: 9600

Parity Bit: none

Data Bit: 8

Stop Bit: 1

General command type (Projector 'receives' commands)			
No	Code (character)	Command	Function feature
1	OKOKOKOKOK\r	4F,4B,4F,4B,4F,4B,4F,4B,0D	Power On
2	* 0 IR 001\r	2A,20,30,20,49,52,20,30,30,31,0D	Power On
3	* 0 IR 002\r	2A,20,30,20,49,52,20,30,30,32,0D	Power Off
4	* 0 IR 006\r	2A,20,30,20,49,52,20,30,30,36,0D	Mute
5	* 0 IR 007\r	2A,20,30,20,49,52,20,30,30,37,0D	Freeze
6	* 0 IR 008\r	2A,20,30,20,49,52,20,30,30,38,0D	Menu
7	* 0 IR 009\r	2A,20,30,20,49,52,20,30,30,39,0D	Up
8	* 0 IR 010\r	2A,20,30,20,49,52,20,30,31,30,0D	Down
9	* 0 IR 011\r	2A,20,30,20,49,52,20,30,31,31,0D	Right
10	* 0 IR 012\r	2A,20,30,20,49,52,20,30,31,32,0D	Left
11	* 0 IR 013\r	2A,20,30,20,49,52,20,30,31,33,0D	Enter
12	* 0 IR 014\r	2A,20,30,20,49,52,20,30,31,34,0D	Re-Sync
13	* 0 IR 015\r	2A,20,30,20,49,52,20,30,31,35,0D	Source Analog RGB for D-sub
14	* 0 IR 016\r	2A,20,30,20,49,52,20,30,31,36,0D	Source Digital RGB(DVI)
15	* 0 IR 017\r	2A,20,30,20,49,52,20,30,31,37,0D	Source PbPr for D-sub
16	* 0 IR 018\r	2A,20,30,20,49,52,20,30,31,38,0D	Source S-Video
17	* 0 IR 019\r	2A,20,30,20,49,52,20,30,31,39,0D	Source Composite Video
18	* 0 IR 020\r	2A,20,30,20,49,52,20,30,32,30,0D	Source Component Video
19	* 0 IR 021\r	2A,20,30,20,49,52,20,30,32,31,0D	Aspect ratio 16:9
20	* 0 IR 022\r	2A,20,30,20,49,52,20,30,32,32,0D	Aspect ratio 4:3
21	* 0 IR 023\r	2A,20,30,20,49,52,20,30,32,33,0D	Volume +
22	* 0 IR 024\r	2A,20,30,20,49,52,20,30,32,34,0D	Volume -
23	* 0 IR 025\r	2A,20,30,20,49,52,20,30,32,35,0D	Brightness
24	* 0 IR 026\r	2A,20,30,20,49,52,20,30,32,36,0D	Contrast
25	* 0 IR 027\r	2A,20,30,20,49,52,20,30,32,37,0D	Color Temperature
26	* 0 IR 028\r	2A,20,30,20,49,52,20,30,32,38,0D	Source Analog RGB for DVI Port(DVI-A)
27	* 0 IR 029\r	2A,20,30,20,49,52,20,30,32,39,0D	Source Analog YPbPr for DVI Port
28	* 0 IR 030\r	2A,20,30,20,49,52,20,30,33,30,0D	Hide
29	* 0 IR 031\r	2A,20,30,20,49,52,20,30,33,31,0D	Source
30	* 0 IR 032\r	2A,20,30,20,49,52,20,30,33,32,0D	Video: Color saturation adjustment
31	* 0 IR 033\r	2A,20,30,20,49,52,20,30,33,33,0D	Video: Hue adjustment
32	* 0 IR 034\r	2A,20,30,20,49,52,20,30,33,34,0D	Video: Sharpness adjustment
33	* 0 IR 035\r	2A,20,30,20,49,52,20,30,33,35,0D	Query Model name

34	* 0 IR 036\r	2A,20,30,20,49,52,20,30,33,36,0D	Query Native display resolution
35	* 0 IR 037\r	2A,20,30,20,49,52,20,30,33,37,0D	Query company name
36	* 0 IR 040\r	2A,20,30,20,49,52,20,30,34,30,0D	Aspect ratio L.Box
37	* 0 IR 041\r	2A,20,30,20,49,52,20,30,34,31,0D	Aspect ratio 1:1
38	* 0 IR 004\r	2A,20,30,20,49,52,20,30,30,34,0D	Keystone
39	* 0 IR 042\r	2A,20,30,20,49,52,20,30,34,32,0D	Keystone Up
40	* 0 IR 043\r	2A,20,30,20,49,52,20,30,34,33,0D	Keystone Down
41	* 0 IR 044\r	2A,20,30,20,49,52,20,30,34,34,0D	Keystone Left
42	* 0 IR 045\r	2A,20,30,20,49,52,20,30,34,35,0D	Keystone Right
43	* 0 IR 046\r	2A,20,30,20,49,52,20,30,34,36,0D	Zoom
44	* 0 IR 047\r	2A,20,30,20,49,52,20,30,34,37,0D	e-Key
45	* 0 IR 048\r	2A,20,30,20,49,52,20,30,34,38,0D	Color RGB
46	* 0 IR 049\r	2A,20,30,20,49,52,20,30,34,39,0D	Language
47	* 0 IR 050\r	2A,20,30,20,49,52,20,30,35,30,0D	Source HDMI
General command type (Projector 'transmits' commands)			
NO	Code (character)		Function feature
1	Model XXXXXXXX	4D,6F,64,65,6C	Return the Model name
2	Res XXXXX	52,65,73	Return the Native display resolution
3	Name XXXXXXXX	4E,61,6D,65	Return the company name
Lamp command type (Projector 'receives' commands)			
NO	Code (character)		Function feature
1	* 0 Lamp ?\r	2A,20,30,20,4C,61,6D,70,20,3F,0D	Query the lamp ON/OFF
2	* 0 Lamp\r	2A,20,30,20,4C,61,6D,70,0D	Query the lamp hours
Lamp command type (Projector 'transmits' commands)			
NO	Code (character)		Function feature
1	Lamp 0	4C,61,6D,70,20,30	Return Lamp OFF status
2	Lamp 1	4C,61,6D,70,20,31	Return Lamp ON status
Source command type (Projector 'receives' commands)			
NO	Code (character)		Function feature
1	* 0 Src ?\r	2A,20,30,20,53,72,63,20,3F,0D	Query source input type Src 0: No signal Src 1: VGA1 , VGA2 Src 3 : HD, HD2 Src 4 : SVIDEO Src 5 : COMPOSITE Src 6 : CPOPONENT-I,P,I2,P2 Src 7 : HDMI