

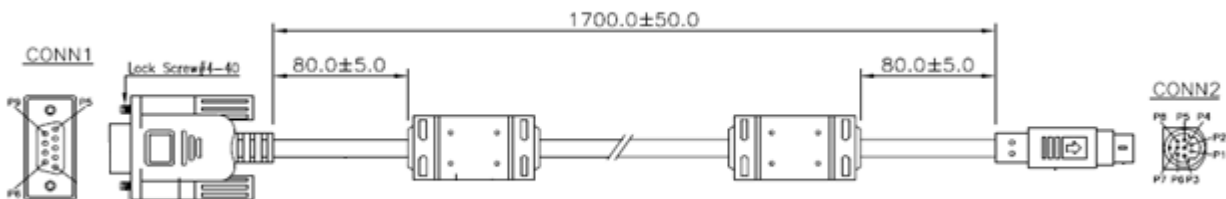
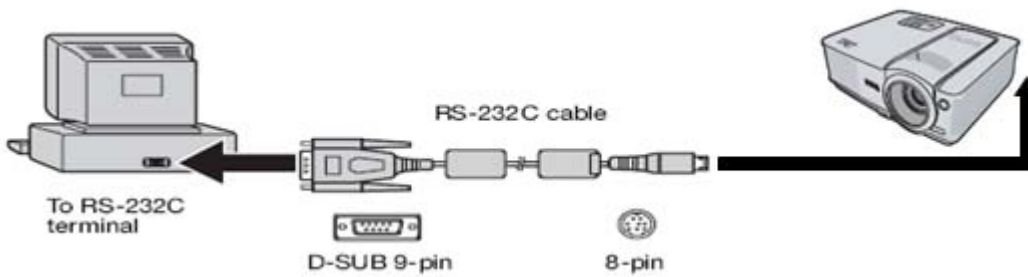
BenQ RS232 Code



Model: SP830/SP831

1. Connection :

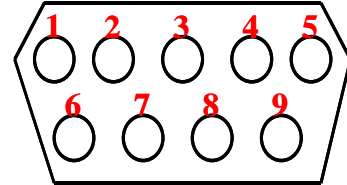
The below shows the illustration of connection between control terminal and projector.



WIRE RUN LIST		
CONN1	COLOR	CONN2
3	BLACK	1
7	BROWN	2
4	RED	3
5	ORANGE	4
8	YELLOW	5
1	GREEN	6
2	BLUE	7
9	WHITE	8
Shell	SHIELD	Shell

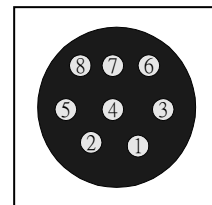
<Pin assignment: CONN1>

Pin	Description	Pin	Description
1	NC	2	RXD
3	TXD	4	NC
5	GND	6	NC
7	RTS	8	CTS
9	NC		



<Pin assignment: CONN2>

Pin	Description	Pin	Description
1	RX	2	CTS
3	NC	4	GND
5	RTS	6	NC
7	TX	8	GND



- ◆ Make sure that your computer and projector are turned off before connection.
- ◆ Power on the computer first, and then plug the power cord of the projector.
(It may cause Com port incorrect function, if you do not follow this instruction)
- ◆ Adapters may be necessary depending on the PC connected to this projector. Please contact with your dealer for further details.

2. Interface Setting :

Baud Rate	115200 bps
Data Length	8 bit
Parity Check	None
Stop Bit	1 bit
Flow Control	None

3. RS232 Commands

Function	Type	Operation	ASCII
Power	Write	Power On/Off	<CR>X001X<CR>
Source Selection	Write	CVBS	<CR>X131X<CR>
	Write	S-Video	<CR>X132X<CR>
	Write	RGB-HD	<CR>X133X<CR>
	Write	YPbPr	<CR>X135X<CR>
	Write	DVI	<CR>X139X<CR>
	Write	Source	<CR>X011X<CR>
	Write	disable auto source searching	<CR>X093X<CR>
	Write	enable auto source searching	<CR>X094X<CR>
Picture Setting	Write	Aspect ratio	<CR>X012X<CR>
	Write	Blank On/Off	<CR>X015X<CR>
	Write	Freeze On/Off	<CR>X013X<CR>
	Write	Zoom In	<CR>X019X<CR>
	Write	Zoom out	<CR>X020X<CR>
	Write	Capture	<CR>X016X<CR>
	Write	Split Screen On	<CR>X017X<CR>
	Write	Split Screen Off	<CR>X018X<CR>
	Write	Mode	<CR>X010X<CR>
	Write	Preset mode: cinema	<CR>X041X<CR>
	Write	Preset mode: presentation	<CR>X042X<CR>
	Write	Preset mode: blackboard	<CR>X043X<CR>
	Write	Preset mode: dynamic	<CR>X044X<CR>
	Write	Preset mode: standard(Video) or sRGB(PC)	<CR>X045X<CR>
	Write	Preset mode: user1	<CR>X046X<CR>
	Write	Preset mode: user2	<CR>X047X<CR>
	Write	Preset mode: user3	<CR>X048X<CR>
	Write	0 IRE	<CR>X100X<CR>
	Write	7.5 IRE	<CR>X101X<CR>
	Write	Color Temp: LampNative	<CR>X112X<CR>
	Write	Color Temp: Warm	<CR>X113X<CR>
	Write	Color Temp: Normal	<CR>X114X<CR>
	Write	Color Temp: Cool	<CR>X115X<CR>

Function	Type	Operation	ASCII
Picture Setting	Write	Color Temp: User1	<CR>X116X<CR>
	Write	Color Temp: User2	<CR>X117X<CR>
	Write	Color Temp: User3	<CR>X118X<CR>
Lamp Control	Write	Normal mode	<CR>X092X<CR>
	Write	Economic mode	<CR>X091X<CR>
Menu Control	Write	Menu On	<CR>X003X<CR>
	Write	Up	<CR>X006X<CR>
	Write	Down	<CR>X007X<CR>
	Write	Right	<CR>X009X<CR>
	Write	Left	<CR>X008X<CR>
	Write	Enter	<CR>X004X<CR>
	Write	Exit	<CR>X005X<CR>
	Write	User OSD reset all	<CR>X049X<CR>
	Write	Switch OSD language 1	<CR>X121X<CR>
	Write	Switch OSD language 2	<CR>X122X<CR>
	Write	Switch OSD language 3	<CR>X123X<CR>
	Write	Switch OSD language 4	<CR>X124X<CR>
	Write	Switch OSD language 5	<CR>X125X<CR>
	Write	Switch OSD language 6	<CR>X126X<CR>
	Write	Switch OSD language 7	<CR>X127X<CR>
Write	Switch OSD language 8	<CR>X128X<CR>	
Keylock	Write	Keylock	<CR>X014X<CR>
Baud Rate Setting	Write	Set baud rate to 4800	<CR>X070X<CR>
	Write	Set baud rate to 9600	<CR>X071X<CR>
	Write	Set baud rate to 19200	<CR>X072X<CR>
	Write	Set baud rate to 38400	<CR>X073X<CR>
	Write	Set baud rate to 57600	<CR>X074X<CR>
	Write	Set baud rate to 115200	<CR>X075X<CR>