

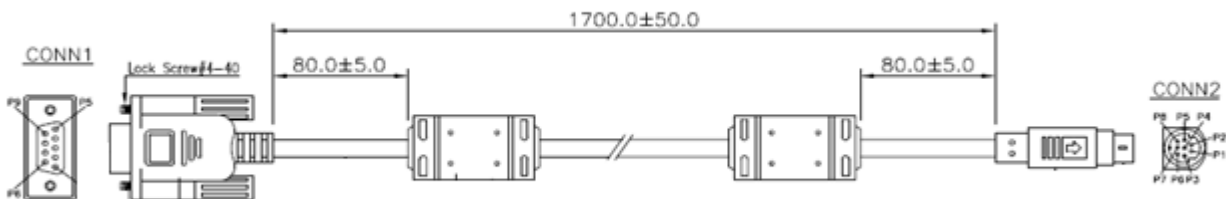
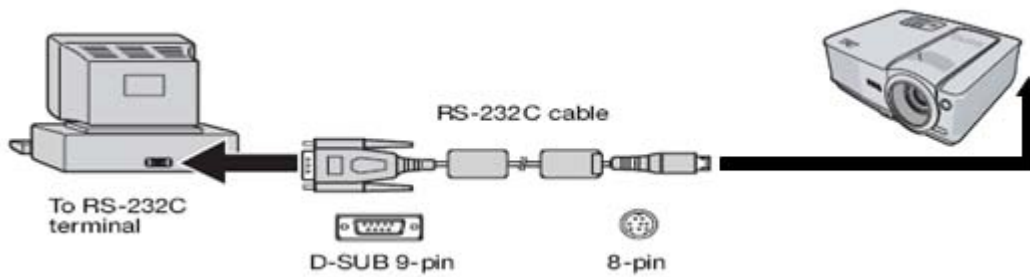
BenQ RS232 Code



Model: MP722 MP723 MP771 SP870

1. Connection :

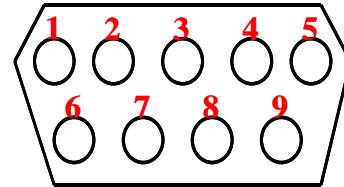
The below shows the illustration of connection between control terminal and projector.



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

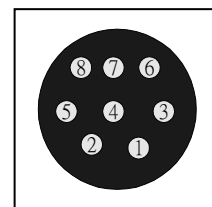
<Pin assignment: CONN1>

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	on	<CR>*pow=on#<CR>
	Write	off	<CR>*pow=off#<CR>
	Read	Status(on/off/cool down)	<CR>*pow=?#<CR>
Source Selection	Write	Source scan on	<CR>*scan=on#<CR>
	Write	Source scan off	<CR>*scan=off#<CR>
	Read	Source scan status	<CR>*scan=?#<CR>
	Write	VGA	<CR>*sour=vga#<CR>
	Write	DVI	<CR>*sour=dvi#<CR>
	Write	Composite	<CR>*sour=comp#<CR>
	Write	S-Video	<CR>*sour=svid# <CR>
	Read	Status	<CR>*sour=?#<CR>
Audio	Write	Mute on	<CR>*mute=on#<CR>
	Write	Mute off	<CR>*mute=off#<CR>
	Read	Mute status	<CR>*mute=?#<CR>
	Write	Volume +	<CR>*vol=+#<CR>
	Write	Volume -	<CR>*vol=-#<CR>
	Read	Volume status	<CR>*vol=?# <CR>
Picture Setting	Write	Contrast +	<CR>*con=+#<CR>
	Write	Contrast -	<CR>*con=-#<CR>
	Read	Contrast value	<CR>*con=?#<CR>
	Write	Brightness +	<CR>*bri=+#<CR>
	Write	Brightness -	<CR>*bri=-#<CR>
	Read	Brightness value	<CR>*bri=?#<CR>
	Write	Aspect ratio 4:3	<CR>*asp=4:3#<CR>
	Write	Aspect ratio 16:9	<CR>*asp=16:9#<CR>
	Read	Aspect status	<CR>*asp=?#<CR>
	Write	Blank on/off	<CR>*blank#<CR>
	Read	Blank status	<CR>*blank=?#<CR>
	Write	Freeze on/off	<CR>*freeze#<CR>
	Read	Freeze status	<CR>*freeze=?#<CR>
Picture Setting	Write	Auto adjust	<CR>*auto#<CR>
	Write	Mirror: Normal	<CR>*mir=nor#<CR>

Function	Type	Operation	ASCII
Picture Setting	Write	Mirror: H Inverse	<CR>*mir=hinv#<CR>
	Write	Mirror: V Inverse	<CR>*mir=vinv#<CR>
	Write	Mirror: H&V Inverse	<CR>*mir=vhinv#<CR>
	Read	Mirror status	<CR>*mir=?#<CR>
	Write	Horizontal position shift right	<CR>*hpos=left#<CR>
	Write	Horizontal position shift left	<CR>*hpos=right#<CR>
	Read	Horizontal position	<CR>*hpos=?#<CR>
	Write	Vertical position shift up	<CR>*vpos=up#<CR>
	Write	Vertical position shift down	<CR>*vpos=down#<CR>
	Read	Vertical position	<CR>*vpos=?#<CR>
	Write	Color temperature low	<CR>*ctmp=T3#<CR>
	Write	Color temperature standard	<CR>*ctmp=T2#<CR>
	Write	Color temperature high	<CR>*ctmp=T1#<CR>
	Read	Color temperature status	<CR>*ctmp=?#<CR>
	Write	Keystone +	<CR>*keyst=+#<CR>
	Write	Keystone -	<CR>*keyst=-#<CR>
	Read	Keystone status	<CR>*keyst=?#<CR>
	Write	Preset mode: presentation(PC)	<CR>*appmod=preset#<CR>
	Write	preset mode: brightness	<CR>*appmod=bright#<CR>
	Write	preset mode: srgb	<CR>*appmod=srgb#<CR>
	Write	Preset mode: gaming	<CR>*appmod=game#<CR>
	Write	Preset mode: video	<CR>*appmod=video#<CR>
	Write	preset mode: movie	<CR>*appmod=mov#<CR>
	Write	Preset mode: cinema	<CR>*appmod=cine#<CR>
	Write	Preset mode: game	<CR>*appmod=game#<CR>
	Write	Preset mode: photo	<CR>*appmod=phot#<CR>
	Read	Preset mode status	<CR>*appmod=?#<CR>
Lamp Control	Write	Reset Lamp usage hour	<CR>*ltim=rst#<CR>
	Read	Lamp usage hour	<CR>*ltim=?#<CR>
Menu Control	Write	OSD Reset	<CR>*rst#<CR>
	Write	English	<CR>*lang=eng#<CR>
	Write	FRE(Français)	<CR>*lang=fr#<CR>
	Write	Deutsch	<CR>*lang=ger#<CR>

Function	Type	Operation	ASCII
Menu Control	Write	Italiano	<CR>*lang=ita#<CR>
	Write	Español	<CR>*lang=spa#<CR>
	Write	РУССКИЙ	<CR>*lang=pro#<CR>
	Write	繁體中文	<CR>*lang=cht#<CR>
	Write	简体中文	<CR>*lang=chs#<CR>
	Write	日本語	<CR>*lang=jap#<CR>
	Write	korean(한국어)	<CR>*lang=kor#<CR>
	Write	swedish	<CR>*lang=swd#<CR>
	Write	dutch	<CR>*lang=dut#<CR>
	Write	turkish	<CR>*lang=turk#<CR>
	Write	czech	<CR>*lang=czech#<CR>
	Write	portugese	<CR>*lang=portug#<CR>
	Write	thai	<CR>*lang=thai#<CR>
	Write	polish	<CR>*lang=pol#<CR>
	Read	Language	<CR>*lang=?#<CR>
Error status	Read	Error status	<CR>*err#<CR>