

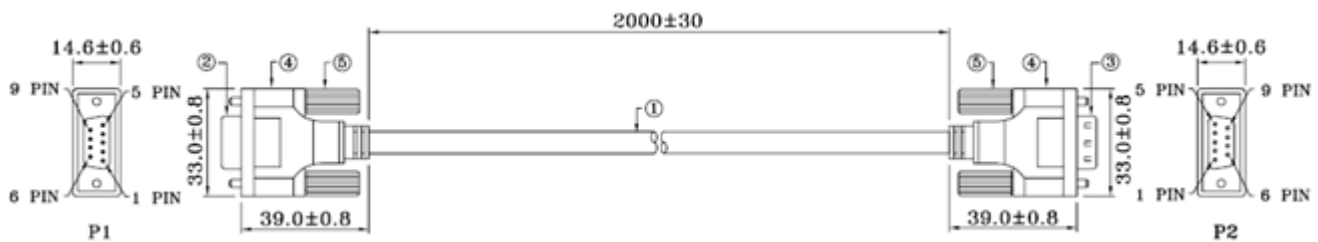
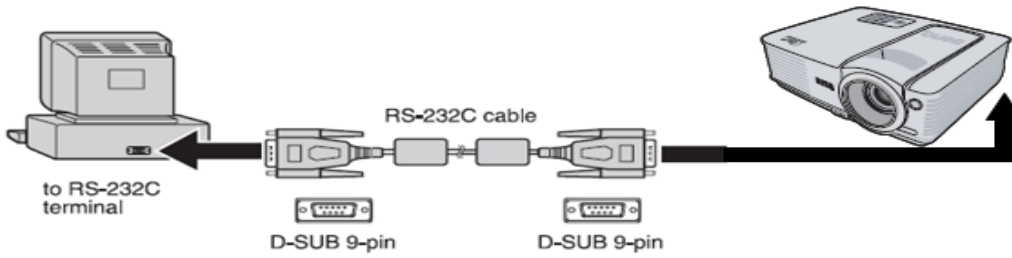
BenQ RS232 Code



Model: SP820

1. Connection :

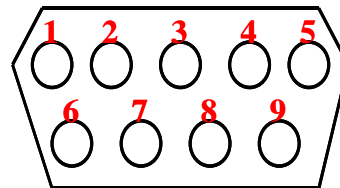
The below shows the illustration of connection between control terminal and projector.



WIRE ARRANGEMENT		
P1	COLOR	P2
1	BLACK	1
2	BROWN	3
3	RED	2
4	ORANGE	4
5	YELLOW	5
6	GREEN	6
7	BLUE	7
8	PURPLE	8
9	GRAY	9
CASE	DRAIN WIRE	CASE

<Pin assignment: P1 and P2>

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



- ◆ 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 (default)
Data Length	8 bit
Parity Check	None
Stop Bit	1 bit
Flow Control	None

3. RS232 Commands

The operation commands execute the basic operation setting of this projector.

Function	Type	Operation	ASCII
Operation Command	Write	Power On	<CR>~PN<CR>
	Write	Power Off	<CR>~PF<CR>
	Write	Auto Image	<CR>~AI<CR>
	Write	Input Select RGB	<CR>~SR<CR>
	Write	Input Select DVI	<CR>~SD<CR>
	Write	Input Select Video	<CR>~SV<CR>
	Write	Input Select S-Video	<CR>~SS<CR>
	Write	Input Select Component	<CR>~SY<CR>

The remote commands simulate the code send from IR remote handset.

Function	Type	Button's name	ASCII
Remote Command	Write	UP arrow	<CR>~rU<CR>
	Write	DOWN arrow	<CR>~rD<CR>
	Write	LEFT arrow	<CR>~rL<CR>
	Write	RIGHT arrow	<CR>~rR<CR>
	Write	POWER	<CR>~rP<CR>

Function	Type	Button's name	ASCII
Remote Command	Write	EXIT	<CR>~rE<CR>
	Write	INPUT	<CR>~rI<CR>
	Write	AUTO	<CR>~rA<CR>
	Write	KEystone+	<CR>~rK<CR>
	Write	KEystone-	<CR>~rJ<CR>
	Write	MENU	<CR>~rM<CR>
	Write	STATUS	<CR>~rS<CR>
	Write	MUTE	<CR>~rT<CR>
	Write	BLANK	<CR>~rB<CR>
	Write	FREEZE	<CR>~rF<CR>
	Write	VOLUME+	<CR>~rV<CR>
	Write	VOLUME-	<CR>~rW<CR>
	Write	Enter	<CR>~rN<CR>

The set value commands execute the basic image setting of this projector.

Function	Type	Item	ASCII	Set Data Range	Source
Set Value Command	Write	Brightness	<CR>~sB?<CR>	?= 0 ~ 100	ALL
	Write	Contrast	<CR>~sC?<CR>	?= 0 ~ 100	ALL
	Write	Color	<CR>~sR?<CR>	?= 0 ~ 100	Video S-Video Component
	Write	Tint	<CR>~sN?<CR>	?= 0 ~ 100	Video S-Video Component
	Write	Scaling	<CR>~sA?<CR>	?= 0 → 4:3 ?= 1 → 16:9	ALL
	Write	Color Temperature	<CR>~sT?<CR>	?= 0: Cool ?= 1: Ceiling ?= 2: Warm	ALL
	Write	Projection Mode	<CR>~sJ?<CR>	?= 0: Front ?= 1: Rear ?= 2: Rear+Ceiling ?= 3: Ceiling	ALL

The BenQ logo is positioned in the top right corner of the page. It consists of the word "BenQ" in a bold, dark blue, sans-serif font. The background behind the logo is a decorative pattern of small, overlapping circles in shades of purple and blue, creating a textured, mesh-like appearance that fades into the white background of the page.

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