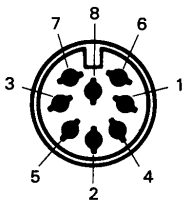
Roland

S-50 Installation of the Color Display

Before connecting a color display to the S-50, please make sure that the monitor's input matches the RGB output of the S-50. If not, do not use the monitor with the S-50.

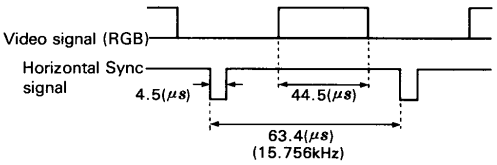
RGB Output of the S-50

PIN No	Signal		Spec
1	+5V	+5V power output	
2	GND	Earth	
3		Open	
4	HSYNC	Horizontal Sync signal	TTL level negative
5	VSYNC	Vertical Sync signal	
6	R	Video signal (red)	
7	G	Video signal (green)	TTL level positive
8	B	Video signal (blue)	

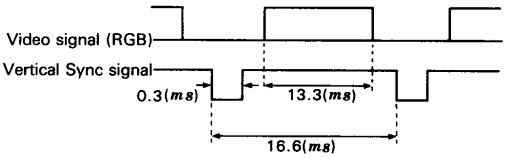


■Timing Chart of RGB Output of the S-50

● Horizontal Sync signal



● Vertical Sync signal



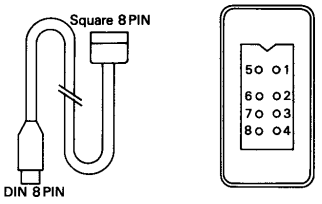
* The output of the S-50's RGB connector matches the TTL RGB 200 line.

* Even when all the above specifications are fulfilled, the S-50 may not work properly. This is because the impedance of the connected color monitor differs from that of the S-50. (The impedance of the S-50's RGB output is 100 Ω.)

Connection Cable

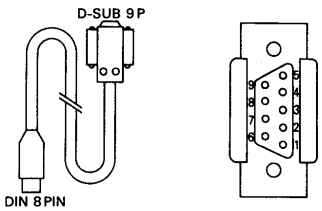
For connecting the S-50 and the monitor display, use the Roland RGB-25N or RGB-25I. Please do not use the cable that has different number or different position of pins.

■RGB-25N (DIN 8PIN Connector←→Square 8PIN Connector)



PIN No	Signal	
1	Open	
2	Video signal (red)	TTL level positive
3	Video signal (green)	
4	Video signal (blue)	
5	Earth	
6	Earth	
7	Horizontal Sync signal	TTL level negative
8	Vertical Sync signal	

■RGB-25I (DIN 9PIN Connector←→D-SUB 9PIN Connector)



PIN No	Signal	
1	Earth	
2	Earth	
3	Video signal (red)	TTL level positive
4	Video signal (green)	
5	Video signal (blue)	
6	+5V power	
7	Open	
8	Horizontal Sync signal	TTL level positive
9	Vertical Sync signal	

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