
2.11 Program Input Fault Time-out

You can enable an automatic turn-off of the carrier in the event of program failure. To enable this option, see illustration 2-18 on page 2-16. The time between program failure and carrier turn-off is set by a jumper (JP1) on the voltage regulator board (see page 6–14 for board location). Jumper pins 1 and 2 (the two pins closest to the edge of the board) for a delay of approximately 30 seconds; pins 3 and 4 for a 2–minute delay; pins 5 and 6 for a 4–minute delay, and pins 7 and 8 for an 8– minute delay.

2.12 Remote I/O Connector

Remote control and remote metering of the transmitter is made possible through a 25–pin, D-sub connector on the rear panel. (No connections are required for normal operation.)

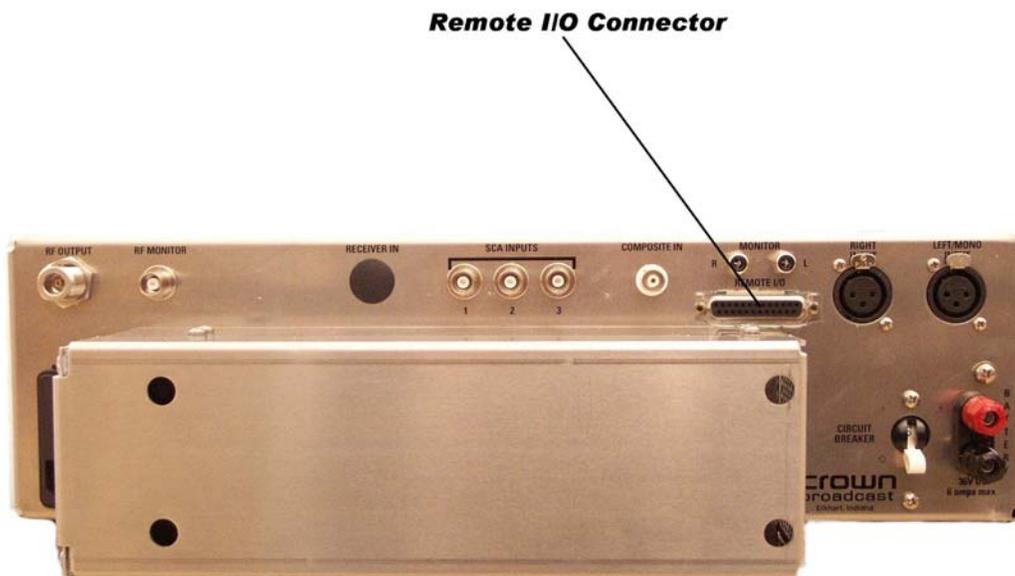


Illustration 2–17 Remote I/O Connector

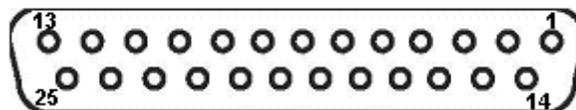


Illustration 2–18 Remote I/O Connector (DB-25 Female)

Pin Number	Function
1.	Ground
2.	FMV Control
3.	Composite Out (sample of stereo generator output)
4.	FSK In (Normally high; pull low to shift carrier frequency approximately 7.5 KHz. Connect to open collector or relay contacts of user-supplied FSK keyer.)
5.	/Auto Carrier Off (Pull low to enable automatic turnoff of carrier with program failure.)
6.	Meter Battery (Unregulated DC voltage; 5 VDC=50 VDC)
7.	Meter RF Watts (1 VDC = 100 Watts)
8.	Meter PA Volts (5 VDC = 50VDC)
9.	Remote Raise (A momentary switch, holding this pin low will slowly raise the RF output)
10.	Remote Lower (A momentary switch, holding this pin low will slowly lower the RF output)
11.	Remote SWR (A buffered metering output with a calculated reading of standing wave ratio in VDC.)
12.	External ALC Control
13.	No Connection
14.	/Ext. Enable (Pull low to disable the internal stereo generator and enable External Composite Input.)
15.	38 KHz Out (From stereo generator for power supply synchronization. For transmitter equipped with receiver option, this pin becomes the right audio output for an 8-ohm monitor speaker. 38 KHz is disabled.)
16.	ALC
17.	/Carrier Off (Pull low to turn carrier off)
18.	Fault Summary (line goes high if any fault light is activated.)
19.	Meter PA Temperature (5 VDC=100 degrees C.)
20.	Meter PA Current (1VDC=10 DC Amperes.)
21.	Front Panel Voltmeter Input.
22.	No Connection.
23.	RDS RX
24.	RDS TX
25.	Ground
