



## Turret and Desk Mounted Studio Panels Connector Pin Out with CRS-8RJ processor

The Turret and Desk mounted Studio Panels provide microphone control, pushbutton selection, delay control, monitor selection and volume control, talkback/IFB and intercom functions. Up to four panels can be connected in parallel on one RS-485 communication port in a 'party-line'. Each panel must be strapped to respond to a different address when connected on a common port.

The panels require a 12 VDC regulated power supply, which is wired on the 9 pin Dsub interface connector. One SAS TP-CS power supply will power up to 4 modules.

The SAS RS-485 port to which the Turret type Button panels and Monitor panels are connected must be programmed to be 'console type' from the RCS Router Control Software. The port will then allow you to program each button for the desired function.

The port to which Intercom button panels are connected must be programmed to be 'intercom' type from the RCS.

Below is the pin out for CRS-8RJ processor board:

### 9-PIN D (J3) DESCRIPTION

1	Power ground
2	Power ground
3	+12VDC
4	RS-485+ (Primary)
5	RS-485- (Primary)
6	Panel Address Bit 0
7	Panel Address Bit 1
8	Panel Address Bit 3
9	Panel Address Bit 2

### RJ-45 (J1 & J2) DESCRIPTION

1	RS-485+ (Primary)
2	RS-485- (Primary)
3	Power ground
4	Power (See Note 2)
5	Power (See Note 2)
6	Power ground
7	RS-485+ (Auxiliary)
8	RS-485- (Auxiliary)

Note 1: Apply +12 volts DC using ONLY ONE of J1, J2, or J3.

Note 2: J1 (J2)-pins 4 & 5 are connected to DS1-Switch 7 (8).

Switch 7 (8) must be ON for J1 (J2)-pins 4 & 5 to be connected to +12VDC.

If Switch 7 (8) is OFF, J1 (J2)-pins 4 & 5 are isolated from +12VDC.

See Switch (DS1) description below.



**SWITCH (DS1)      DESCRIPTION**

- 1,2,3,4,5,6    Panel Address Bits 0,1,2,3,4,5 respectively
- |  |              |
|--|--------------|
| 1,2,3,4,5,6 = OFF,OFF,OFF,OFF,OFF,OFF: | Address = A0 |
| 1,2,3,4,5,6 = ON,OFF,OFF,OFF,OFF,OFF:  | Address = A1 |
| 1,2,3,4,5,6 = OFF,ON,OFF,OFF,OFF,OFF:  | Address = A2 |
| 1,2,3,4,5,6 = ON,ON,OFF,OFF,OFF,OFF:   | Address = A3 |
- 7      If ON, connects J1-pins 4 & 5 to +12VDC.
- 8      If ON, connects J2-pins 4 & 5 to +12VDC.

**JUMPER (J5)      DESCRIPTION**

Placing a jumper on J5 connects +12VDC to J4-pin 4 to provide off-board Auxiliary Power.