

Connecting Intercom to the SONY CCU-TX50

Overview

The CCU-TX50 supports 2 wire (RTS or ClearCom) and 4 wire interfaces. The type of interface is set with switches on the AU-300 Board and by connecting to the appropriate pins on the 25 pin female D sub connector on the rear panel. Two channels of intercom can be accommodated, one called Engineering, the other Production.

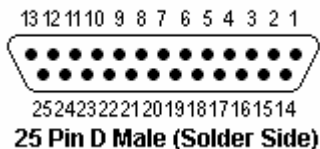
Common Information

Pinouts / Connectors

Intercom / Tally / PGM connector pinout:

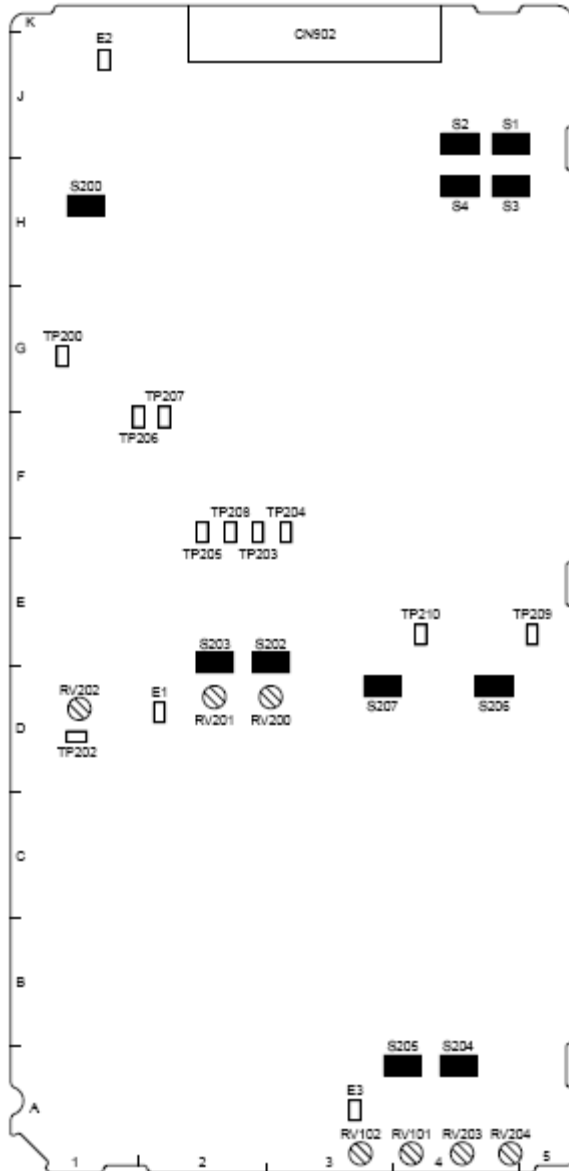
Pin	Signal	Pin	Signal
1	Engineering (R, X, OUT)	14	Production (R, X, OUT)
2	Engineering (R, Y, OUT)	15	Production (R, Y, OUT)
3	Engineering GND	16	Production GND
4	Engineering (T, X, IN)	17	Production (T, X, IN)
5	Engineering (T, Y, IN)	18	Production (T, Y, IN)
6	PGM (X) IN	19	No connection
7	PGM (Y) IN	20	No connection
8	PGM (G) IN	21	No connection
9	Ground	22	AUX 4
10	AUX 3	23	AUX 5
11	R Tally (X) IN	24	G Tally (X) IN
12	R Tally (Y) IN	25	G Tally (Y) IN
13	Ground		

The mating connector is shown here (25 pin Male as seen from soldering side):



Switch Locations

AU-300 board



AU-300 BOARD (A SIDE)

SW No.	Description	Factory setting
S1 (J-4)	CONTACT: R TALLY is contact mode POWER: R TALLY is power mode (with S3)	CONTACT
S2 (J-4)	CONTACT: R TALLY is contact mode POWER: R TALLY is power mode (with S4)	CONTACT
S3 (H-4)	TTL: R TALLY is TTL mode POWER: R TALLY is power mode (with S1)	TTL
S4 (H-4)	TTL: R-TALLY is TTL mode POWER: R-TALLY is power mode (with S2)	TTL
S200 (H-1)	0 dB: PGM line is set to 0 dB -20 dB: PGM line is set to -20 dB	0 dB
S202 (E-3)	0 dB: MIC2 line is set to 0 dB -20 dB: MIC2 line is set to -20 dB	0 dB
S203 (E-2)	0 dB: MIC1 line is set to 0 dB -20 dB: MIC1 line is set to -20 dB	0 dB
S204 (A-4)	RTS: Prod line is set to RTS CC: Prod line is set to ClearCom	RTS
S205 (A-4)	RTS: ENG line is set to RTS CC: ENG line is set to ClearCom	RTS
S206 (D-4)	4W: Prod line is set to 4W RTS: ENG line is set to RTS/CC	4W
S207 (D-3)	4W: ENG line is set to 4W RTS: ENG line is set to RTS/CC	4W

RTS Connections

Connect to pins 1 and 3 to use the Engineering channel, pins 14 and 16 to use the Production channel.

Set S204 and S205 on the AU-300 Board to "RTS".

ClearCom Connections

Connect to pins 1 and 3 to use the Engineering channel, pins 14 and 16 to use the Production channel.

Set S204 and S205 on the AU-300 Board to "CC".

4 wire Connections

Connect the receive side to pins 1 and 2 for Engineering, 14 and 15 for Production.
Connect the transmit side to pins 4 and 5 for Engineering, 17 and 18 for Production.
Set S206 and S207 on the AU-300 Board to “4W”.