

TN530 SR-39-4 Multiple Transmitter Subrack

The SR-39-4 subrack is designed to hold and interconnect the MT-3 and MT-4 series of transmitters on one universal motherboard. The SR-39-4 subrack holds up to five transmitter modules as shown in Figure 1. The SR-39-4 has a built in voltage regulator mounted behind the blank panel on the right side of the subrack.

The multiple transmitter subrack is ideal for multi-channel trunking systems with the multiple receiver subrack.

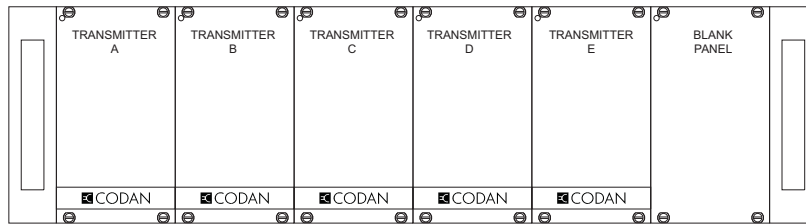


Figure 1: Multiple Transmitter Subrack

The multiple transmitter subrack does not interconnect the different transmitters but brings control lines and audio out to connection points on the rear of the subrack. The external control connectors allow access to the following signals on each transmitter:

Pin No.	Name	Function
1	TX CSEL 3	Transmitter channel select line No. 3
2	TX CSEL 2	Transmitter channel select line No. 2
3	TX CSEL 1	Transmitter channel select line No. 1
4	TX CSEL 0	Transmitter channel select line No. 0
5	TX MIC OUT	Transmitter microphone output
6	TX STANDBY	Transmitter Standby (MT-3) Transmitter Bank A / B Select input (MT-4E)
7	TX PTT	Transmitter Push To Talk input
8	TX BAL I/P 1	Transmitter balanced audio input, side 1
9	TX BAL I/P 2	Transmitter balanced audio input, side 2
10	TX SQL FLAT I/P	Transmitter Squelch flat audio input (MT-3 Only)
11	TX SQL DE-EMP	Transmitter Squelch De-emphasis input (MT-3) Transmitter SM-3 Speaker audio input (MT-4E)
12	TX SUBT I/P 1	Transmitter Subtone input 1
13	TX SUBT I/P 2	Transmitter Subtone input 2 (MT-3) Transmitter Secure / Clear input (MT-4E)
14	TX PTT OUT	Transmitter Push To Talk output
15	TX DIR MOD	Transmitter Direct Modulation input (MT-3) Transmitter A / D Mode Control input (MT-4E)
16	GND	Circuit common

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