

AN580 RADIO STATION WITH CHANNEL SELECTION

FEATURES AT A GLANCE

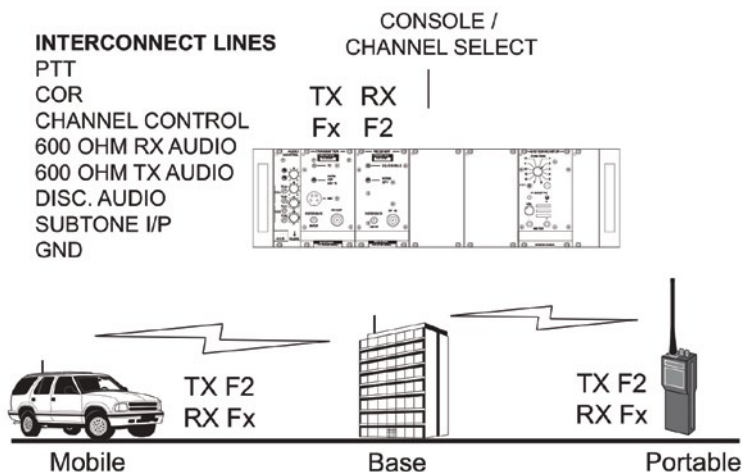
- 16 channel capacity
- 4 independent channel lines on each receiver and transmitter
- Remote channel selection

REQUIREMENT

The radio system needs to operate on more than one frequency, either by remotely switching channels through tones, or locally switching channels manually.

THE SOLUTION

Codan MT-4 series of Transmitters and Receivers each have a 16 channel capacity. Each receiver and transmitter has 4 independent channel lines that are brought out from the subrack. Control of these channels can be made through the Auxiliary Control and the Control Module. Channels can also be selected with jumpers on the subrack, through optional front panel rotary switches or by accessing the channel select lines through an auxiliary connector. Channels may be selected remotely by using tone sequences.



FREQUENCY BANDS/RF POWER OUTPUT

30 – 50 MHz	3, 40, 100, 250 Watts
132 – 174 MHz	8, 30, 100 Watts
380 – 520 MHz	2, 8, 30, 100 Watts
769 – 869 MHz	3 Watts
896 – 960 MHz	3 Watts

AVAILABLE OPTIONS/FEATURES

CTCSS, DTMF, DCS, Telephone Interconnect, Multiple Channels

AN580 RADIO STATION WITH CHANNEL SELECTION

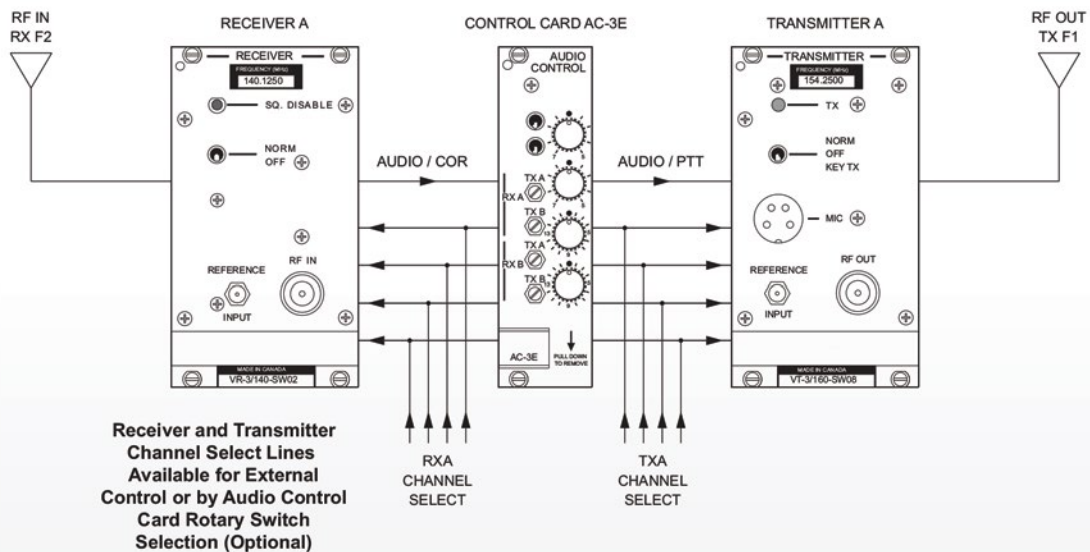
REQUIRED EQUIPMENT

xT-4/xxx-xxxxxx	VHF/UHF Transmitter Module
xR-4/xxx-xxxxxx	VHF/UHF Receiver Module
SR-39-1	Subrack
SM-3-H0-014-00	System Monitor
A-MIC-01	Microphone
IMxx-xxxxxxx	Instruction manuals
AC-3E	Audio Control Card
A-PNL-AUX96-3	Auxiliary 96-pin Connector

OPTIONAL EQUIPMENT

AC-SCS-1RS	16 Channel frequency select rotary switch (Tx and Rx same)
AC-SCS-2RS	Two 16 Channel frequency select rotary switches (Tx and Rx different)
CI-DSP-223	Vega Tone Remote Station Adapter
AMP-4/xxx-30-00	30 Watt Power Amplifier
SM-3-H0-R1N-00	System Monitor with Single Antenna Relay
AC-DTMF-D2	DTMF decoder module
AC-CTCSS-DE1	CTCSS decoder/encoder modules
PSA-12A09-P0-00	AC Power Supply
PSD-15/08-P0-xx	DC to DC Power Supply

SYSTEM BLOCK DIAGRAM



CODAN™ is a trademark of Codan Limited. Other brand, product and company names mentioned in this document are trademarks or registered trademarks of their respective holders.

Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.



www.codanradio.com

CODAN RADIO COMMUNICATIONS

12-20297-EN Issue 1 5/2014

Australia: +61 8 8305 0528 ■ US: +1 585 419 9970 ■ UK: +44 1252 717 272
 Canada: +1 250 382 8268 ■ Dubai: +971 44 53 72 01 ■ LMRsales@codanradio.com