

## AN410 CROSSBAND LINK REPEATER SYSTEM

### FEATURES AT A GLANCE

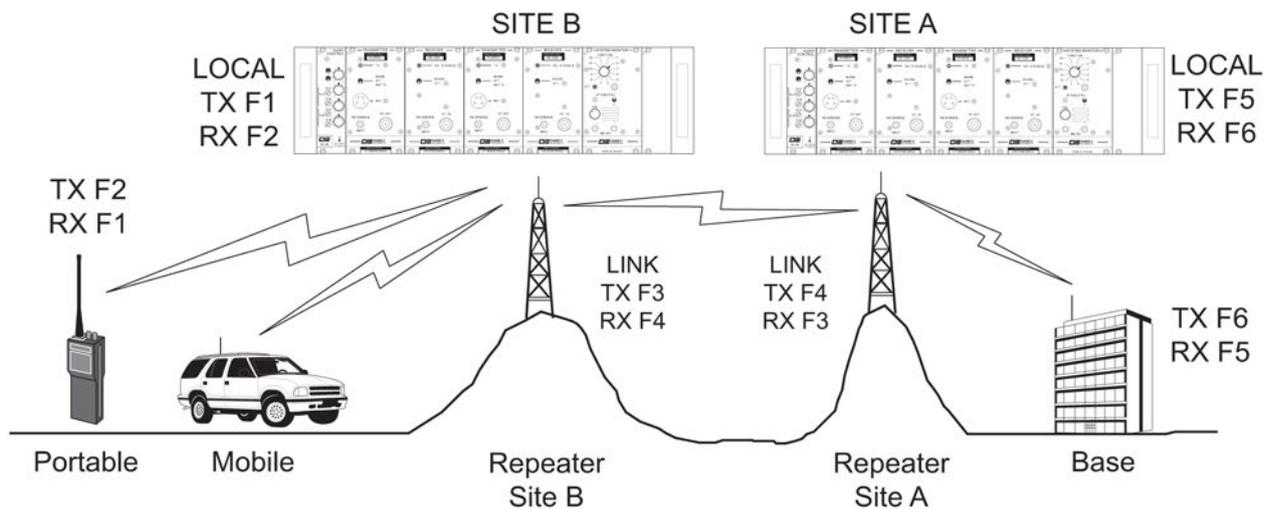
- Capable of receiving and transmitting on any combination of frequency bands, AM, Lowband, VHF, UHF, 700 MHz, 800 MHz and 900 MHz

#### REQUIREMENT

Interoperability between users on different frequency bands is required. Distances or geographical features obstruct paths between users on a single repeater and a second repeater needs to be installed.

#### SOLUTION

A crossband link repeater has the ability of being able to transmit and receive on different bands. Using different frequency bands a crossband link system can receive from a user on one frequency band, link to another repeater using a second frequency band and transmit to a second user on a third frequency band. This system does not need to use different frequency bands, only different frequencies within that band (See diagram). Codan crossband repeaters are capable of receiving and transmitting on any combination of frequency bands, AM, Lowband, VHF, UHF, 700 MHz, 800 MHz and 900 MHz.



CROSSBAND LINK REPEATER SYSTEM INTEROPERABILITY

# AN410 CROSSBAND LINK REPEATER SYSTEM

## REQUIRED EQUIPMENT

xT-3/xxx-xxxxxx	Two VHF/UHF Transmitter Modules
xR-3/xxx-xxxxxx	Two VHF/UHF Receiver Modules
SR-39-1	Subrack
SM-3-H0-014-00	System Monitor
A-MIC-01	Microphone
IMxx-xxxxxxx	Instruction manuals
AC-3E	Audio Control Card

## OPTIONAL EQUIPMENT

AMP-2/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
AC-SCS-xRS	16 Channel Frequency Select Rotary Switch
PSA-12A09-P0-00	AC Power Supply
PSD-15/08-P0-xx	DC to DC Power Supply

## FREQUENCY BANDS / RF POWER OUTPUT

- 30 – 50 MHz / 3, 40, 100, 250 Watts
- 132 – 174 MHz / 8, 30, 100 Watts
- 406 – 470 MHz / 2, 8, 30, 100 Watts
- 769 – 869 MHz / 3, 80 Watts
- 896 – 960 MHz / 3, 80 Watts

## RELATED APPLICATIONS

- AN300 Multiple Linked Repeater System
- AN400 Crossband Repeater System

## AVAILABLE OPTIONS/FEATURES

- CTCSS, DTMF, DCS Control of Links, Telephone Interconnect

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## CODAN RADIO COMMUNICATIONS

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**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**