

# AN560 RADIO STATION WITH TONE CONVERSION

## FEATURES AT A GLANCE

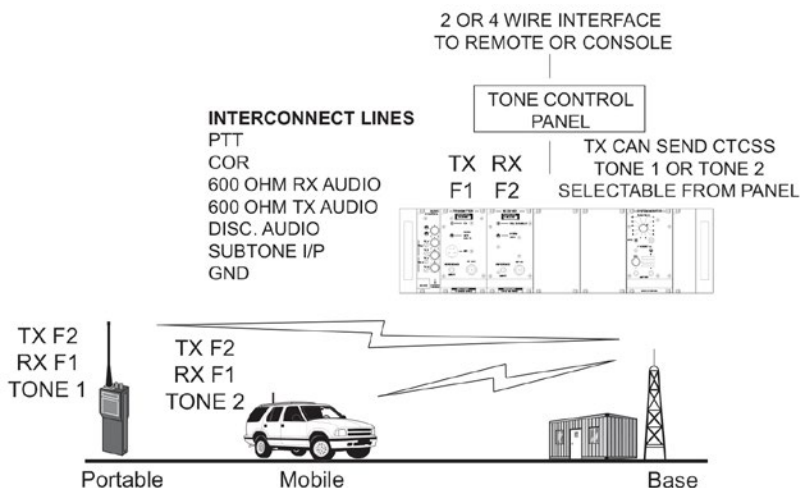
- Incoming wireline control tone conversion to CTCSS or DTMF tones

## REQUIREMENT

Communications between the base and mobiles/portables need to be selectable from the base to go to specific users in the field. The base station is operated by tone remote and CTCSS tones are to be used for selecting users.

## THE SOLUTION

In some cases it is desirable to take an incoming wireline control tone such as 1950 Hz or 1850 Hz, etc. and convert them to either CTCSS or DTMF tones for transmission over the radio system. This provides a convenient way to send in-band telephone control signals to a remote station that can then be rebroadcast with a transparent CTCSS tone to select the correct user. The control tones can be used to select rebroadcast tones or to enable discreet receiver or transmitter modules.



## 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

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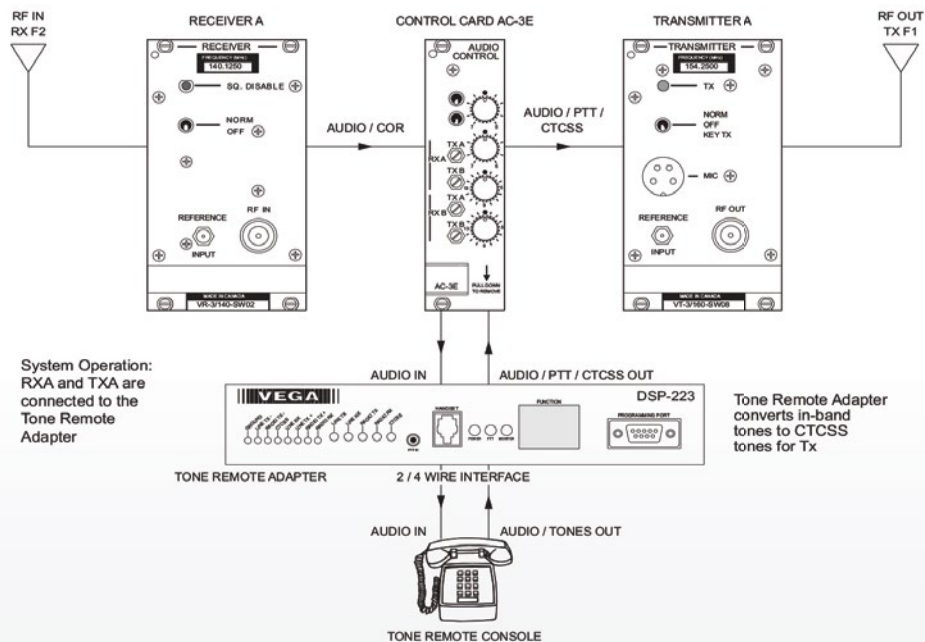
## REQUIRED EQUIPMENT

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
CI-DSP-223	Vega Tone Remote Station Adapter

## OPTIONAL EQUIPMENT

AMP-4/xxx-30-00	30 Watt Power Amplifier
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



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## CODAN RADIO COMMUNICATIONS

12-20296-EN Issue 1 5/2014



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