



## Features

- 2-Tone Encode and Decode
- 5/6-Tone Encode and Decode
- Remote Stun / Kill / Revive
- Built-in Emergency mic
- Audio Companding in Wide or Narrow Band
- Remote Access Capabilities
- Maximum 8 Channel Capacity
- Remote Listen

Model #	Description
<b>VHF</b>	
VX-4104	8 Channel 134 - 174 MHz 50 Watt Compact Mobile <i>Coverage is continuous from 134 - 174 MHz</i>
<b>UHF</b>	
VX-4107	8 Channel 450 - 512 MHz 45 Watt Compact Mobile <i>Coverage is continuous from 450 - 512 MHz</i>
<b>Accessories</b>	
MH-700D	DTMF Microphone, Black
MLS-100	External Speaker (12 Watt Peak)
FVP-25	Plug-In Encryption Unit (Band Inversion Type)
FVP-35	Plug-in Rolling Code Encryption
VTP-50	Trunking Portable Logic Board
MDC1200	MDC1200 ANI Encoder
VX MPI	Programming Kit for the FVP-35 and MDC1200
DVS-5	Digital Voice Recorder Board

## Specifications

### General

Frequency Ranges:	134 -174 MHz	450 - 512 MHz
Emission Type:	F3E	F3E
Channel Spacing:	12.5/20/25 kHz	12.5/20/25 kHz
Number of Channels:	8 channels (VX-4100 Series)	8 channels (VX-4100 Series)
Power Supply Voltage:	13.6 V ± 13.8 V ±	13.6 V ± 13.8 V ±
Current Consumption (@13.6 V):	11 A (TX: 50 W) 300 mA (RX: SQL Closed) 2.5A (RX: 2 W AF Out)	11 A (TX: 45 W) 300 mA (RX: SQL Closed) 2.5A (RX: 2 W AF Out)
Operating Temperature Range:	-22 °F	-22 °F
Frequency Stability:	±2	±2
Antenna Impedance:	50	50
Case Size (W x H x D):	6.5" x 1.7" x 6.1" inch (165 x 43 x 155 mm) (W/O knob)	6.5" x 1.7" x 6.1" inch (165 x 43 x 155 mm) (W/O knob)
Weight (Approx.):	3.1 lbs (1.4 kg)	3.1 lbs (1.4 kg)

### Receiver

Circuit Type:	Double-conversion Superheterodyne	Double-conversion Superheterodyne
Intermediate Frequency:	1st: 50.85 MHz, 2nd: 450 kHz	1st: 50.85 MHz, 2nd: 450 kHz
Sensitivity (EIA 12 dB SINAD):	0.25 µV	0.35 µV
Sensitivity (20 dB Quieting):	0.4 µV	0.4 µV
Adjacent Channel Selectivity:	75 dB (12.5 kHz) 85 dB (25 kHz)	70 dB (12.5 kHz) 78 dB (25 kHz)
Spurious & Image Rejection:	90 dB	80 dB
Intermodulation:	75 dB (12.5 kHz) 80 dB (25 kHz)	75 dB (12.5 kHz) 80 dB (25 kHz)
Hum & Noise:	44 dB (12.5 kHz) 50 dB (25 kHz)	42 dB (12.5 kHz) 48 dB (25 kHz)
Audio Output:	12 W @4 Ohms, 5% THD (External) 2 W @32 Ohms, 5% THD (Internal)	12 W @4 Ohms, 5% THD (External) 2 W @32 Ohms, 5% THD (Internal)

### Transmitter

Modulation Type:	Variable Reactance	Variable Reactance
Power Output:	50/25/10 W (50 W version)	45/25/10 W (45 W version)

Conducted Spurious Emission:	75 dB below Carrier	70 dB below Carrier
Maximum Deviation:	±2 ±5	±2 ±5
FM Hum & Noise:	44 dB (12.5 kHz) 50 dB (25 kHz)	42 dB (12.5 kHz) 48 dB (25 kHz)
Audio Distortion:	3 % (@1 kHz)	3 % (@1 kHz)