

VX-2100/2200 SERIES

COMPACT, FULL-FEATURED PERFORMANCE



GOODBYE CROSSTALK



BROADEN YOUR REACH



COME IN LOUD AND CLEAR



KEEP YOUR TEAM SAFE



POWER THROUGH THE SHIFT

MOBILE ANALOG RADIOS

For basic mobile communications, look to the VX-2100/2200 Series.

Choose from two mobile analog radios: the VX-2100 (without display) and VX-2200 (with display). They install easily in small spaces, and their die cast aluminum construction helps dissipate heat and absorb vibration for added durability. The channel capacity is 8 channels for easy operation on the VX-2100 or 128 channels for large group communications on the VX-2200. And optimize your operations with multiple scanning options.



VX-2100



VX-2200

GENERAL FEATURES

- Compact, Durable Construction
- Broad Channel Capacity:
 - 128 Channels (VX-2200)
 - 8 Channels (VX-2100)
- 6 Programmable Keys
- Display:
 - 1-Character Numeric (VX-2100)
 - 8-Character Alphanumeric (VX-2200)
- Safety Features:
 - Emergency Alert
 - Lone Worker Alert
- Scan Options:
 - Basic
 - Priority
 - Dual Watch
 - Follow-Me
 - Follow-Me Dual Watch
 - Talk Around

- Busy Channel Lock Out (BCLO)
- Busy Tone Lock Out (BTLO)
- Time Out Timer (TOT)
- Remote Listen
- Programmable Minimum Volume
- D-Sub 15 Pin Accessory Connector
- Public Address/Horn Alert
- Radio-to-Radio Cloning
- Auto Range Transponding System (ARTS™)

SIGNALING FEATURES

- CTCSS/DCS Encode and Decode
- 2-Tone Encode/Decode
- 5-Tone Signaling
- DTMF Paging
- DTMF Speed Dial
- Stun/Kill/Revive (5-Tone)
- RSSI Signal Strength Indicator



GENERAL SPECIFICATIONS

	VHF	UHF
Frequency Range	134 - 174 MHz	400 - 470 MHz; 450 - 512 MHz
Number of Channels and Groups	8 Channels/ 1 Group (VX-2100) 128 Channels/ 8 Groups (VX-2200)	
Power Supply Voltage	3.7 VDC (Nominal)	
Channel Spacing	25/12.5 kHz	
PLL Steps	2.5/5/6.25 kHz	5/6.25 kHz
Current Consumption	TX: 11 A (50 W, 45 W), 6 A (25 W) RX: 2.5 A, Standby: 200 mA	
Operating Temperature Range	-22°F to +140°F (-30°C to +60°C)	
Frequency Stability	Better Than ±2.5 ppm	
RF Input-Output Impedance	50 Ohms	
Dimension (H x W x D)	1.8 x 6.5 x 6.1 Inches (45 x 165 x 155mm)	
Weight (Approx.)	2.87 lbs (1.3 kg)	

RECEIVER SPECIFICATIONS

measured by TIA/EIA 603

Sensitivity 12dB SINAD	0.25 µV	
Adjacent Channel Selectivity	75 dB/65 dB	73 dB/65 dB
Intermodulation	73 dB/70 dB	
Spurious and Image Rejection	90 dB	80 dB
Audio Output	Internal: 4 W @ 18 Ohms, 5% THD External: 12 W @ 4 Ohms, 5% THD	

TRANSMITTER SPECIFICATIONS

measured by TIA/EIA 603

Output Power	50/25/10 W (50 W) 25/12.5/5/1 W (25 W)	45/25/10 W (45 W) 25/12.5/5/1 W (25 W)
Modulation	16K0F3E, 11K0F3E	
Maximum Deviation	± 5.0 kHz/± 2.5 kHz	
Audio Distortion	< 3 % @ 1 kHz	
Conducted Spurious Emission	70 dB Below Carrier	

APPLICABLE MIL-STD

Standard	Methods/Procedures			
	MIL 810C	MIL 810D	MIL 810E	MIL 810F
High Temperature	501.1 proc 2	-	-	-
Low Temperature	502.1 proc 1	-	-	-
Blowing Sand and Dust	-	-	510.3 proc 1	-
Vibration	514.2 proc 8/X	514.3 proc 1/Cat 10	514.4 proc 1/Cat 10	514.5 proc 1/Cat 20/24
Shock	516.2 proc 1/5	516.3 proc 1/4	516.4 proc 1/4	516.5 proc 1/4/6

ACCESSORIES**Audio Accessories**

- MH-67A8J: Standard Microphone
- MH-75A8J: Keypad Microphone (16 Keys)
- MD-12A8J: Desktop Microphone
- MLS-100: External Speaker, 12 W
- MLS-200: Waterproof External Speaker, 12 W
- LF-1: DC Line Filter

External Power Supply

- SEC-1223: External Power Supply

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