VX-2100/2200 SERIES

VHF/UHF Mobile Radios



VX-2100/2200 Series VHF/UHF Mobile Radios

The VX-2100 (8-channel) and VX-2200 (128-channel) series mobiles are full featured FM transceivers designed for flexible mobile business communications in the VHF or UHF Land Mobile Radio bands. These transceivers are designed for reliable business communications in a wide variety of applications with a wide range of operating capability provided by their leading-edge design with high output power (50 Watts VHF/45 Watts UHF). The VX-2200 mobiles have an eight character alpha-numeric display to manage the 128 channel capacity.

128 Channel Capacity VX-2200 / 8 Channel Capacity VX-2100

For easy of operation the 8-channel VX-2100 is your workhorse radio. For larger systems, the VX-2200 gives you 128 channels to get the job done.

Power Output: 50 watts (VHF) / 45 watts UHF

With 50 watts output on VHF and 45 Watts output on UHF, the new VX-2100 and VX-2200 have the power to get your message through.

Wide Band Coverage (VHF 134-174 MHz / UHF 450-512 MHz)

The new VX-2100 and VX-2200 continue with our efforts to give you the maximum flexibility possible with ultra-wide band coverage.

Loud Front Speaker Audio

The front facing speaker and 4 Watts of audio power gives you plenty of receiver audio even in noisy environments.

Signaling Features

The VX-2100 and VX-2200 mobiles have plenty of built-in signaling to offer. Besides the standard CTCSS and DCS subaudible signaling, these mobiles also include 2-tone encode and decode, DTMF ANI/Paging and 5-tone encode and decode.

Emergency Feature

Excellent for school bus drivers, delivery vans, or any other application where you do not want the driver to be "on their own". With the built-in Emergency feature, a silent alarm can be sent and transmit live audio to the dispatcher.

D-SUB 15 pin Accessory Connector

Connecting outboard devices is easy using the rear mounted 15 pin accessory connector.

Optional Features

The FVP-25 /FVP-36 includes a simple inversion scrambler. The FVP-35 offers rolling code type encryption. The VME-100 board gives you MDC1200® (and GE-Star®) encode feature to operate in existing systems.

Rugged, Die-cast Construction

The VX-2100/2200's circuitry is housed within a die-cast aluminum enclosure, which doubles as a heat sink. This extraordinarily durable construction ensures many years of reliable operation, even in highvibration installations.



MIL-Spec Rated (MIL 810 C/D/E/F)

The ultra-rugged design of the VX-2100/2200 enables it to be fully compliant with the exacting specifications of MIL 810 C/D/E/F, pursuant to the test procedures documented below.

APPLICABLE MIL-STD					
Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures	
High Temperature	501.1/Procedure II				
Low Temperature	502.1/Procedure I				
Blowing Sand & Dust			510.3/Procedure I		
Vibration	514.2/Procedure VIII, X	514.3/Procedure I,Cat.10	514.4/Procedure I,Cat.10	514.5/Procedure I,Cat.20,24	
Shock	516.2/Procedure I,V	516.3/Procedure I,IV	516.4/Procedure I,IV	516.5/Procedure I,IV,VI	

Specifications					
	VX-2100/2200 VHF	VX-2100/2200 UHF			
General Specifications					
Frequency Range	134-174 MHz	400-470 MHz			
		450-512 MHz			
Number of Groups	1/8				
Number of Channels	8/128				
Power Supply Voltage	13.6 V DC ±15 %				
Channel Spacing	12.5/20/25 kHz				
Current Consumption (Approx.)	TX: 11 A, RX: 2.5 A, Standby: 250 mA				
Operating Temperature Range	-22° F - 140° F				
Frequency Stability	Better than ±2.5 ppm				
RF Input-Output Impedance	50 Ohm				
Dimension (W x H x D)	6.5" x 1.8" x 6.1"				
Weight (Approx.)	2.87 lbs.				

VX-2100/2200 VHF	VX-2100/2200 UHF	
Measured by TIA/EIA-603		
0.25 μV	0.25 μV	
75 / 65 dB	73 / 65 dB	
73 / 70 dB		
90 dB	80 dB	
Internal: 4 W @ 18 Ω, 5 % THD		
External: 12 W	@ 4 Ω, 5 % THD	
Measured by TIA/EIA-603		
50 / 25 / 10 W	45 / 25 / 10 W	
16K0F3E, 11K0F3E		
±5.0 kHz / ±2.5 kHz		
< 3 % @1 kHz		
70 dB below carrier		
	Measured by T 0.25 μV 75 / 65 dB 73 / 7 90 dB Internal: 4 W @ External: 12 W @ Measured by T 50 / 25 / 10 W 16K0F3E, ±5.0 kHz /	

Specifications are subject to change without notice or obligation.

Accessories & Options





FVP-25















Voice Inversion Type

Encryption Unit



ANI Encoder Unit

VME-100 MDC1200®/GE-STAR® External Speaker (12 W Peak Power)

Programming Cable USB FIF-10A + CT-104A RS-232C CT-29 + CT-126 **CE82 Programming Software**



Vertex Standard **US Headquarters**

MH-25A8J

Standard Microphone