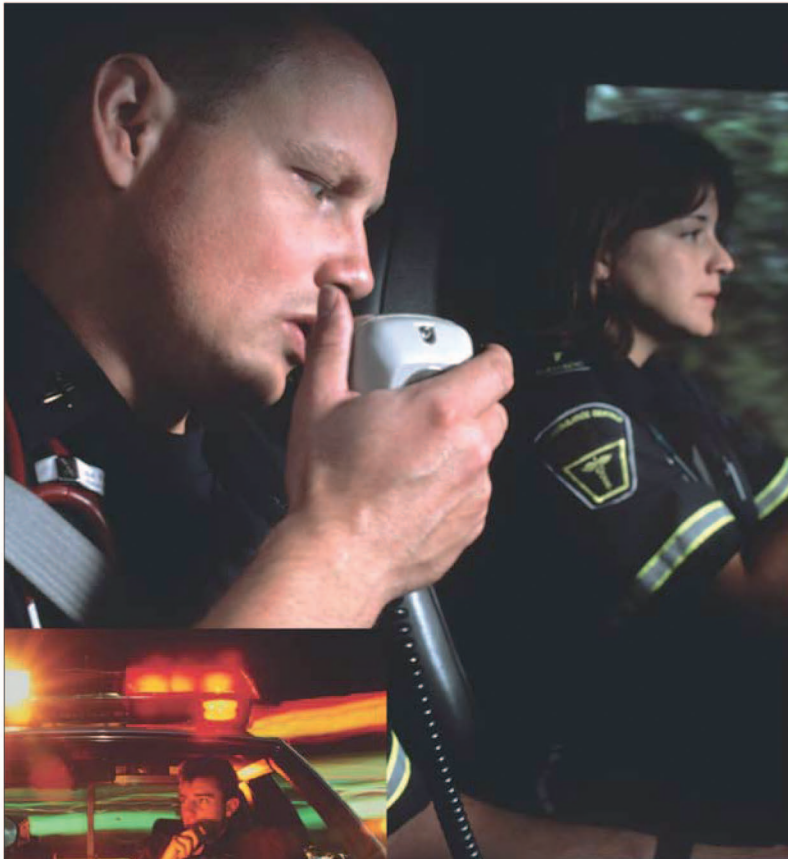


VX-5500 SERIES

HF/50 MHz All Mode Base Station



- 250 CHANNEL CAPACITY
- POWER OUTPUT: 70 W (LOW BAND), 50 W (VHF), 45 W (UHF)
- 12.5 / 25 kHz BANDWIDTH PROGRAMMABLE PER CHANNEL
- 2.5 kHz STEP FOR VHF
- LARGE 8-DIGIT ALPHANUMERIC DISPLAY
- 7 PROGRAMMABLE BACKLIT KEYS
- PRIORITY SCAN
- GROUP SCAN
- DUAL BAND CAPABILITY
- ONE RF DECK TO MULTI HEAD CAPABILITIES
- DTMF SIGNALING & DIALING FEATURES
- USER SELECTABLE TONES / CODES
- CTCSS / DCS ENCODE + DECODE
- EMERGENCY FUNCTIONS
- ENCRYPTION
- RADIO TO RADIO CLONE FEATURE
- TALK AROUND
- BCLO, BTLO, AND TOT FUNCTIONS
- BUILT IN 25 PIN (DB-25) ACCESSORY CONNECTOR
- MIL- STD 810 C/D/E
- HEAVY-DUTY PUBLIC SAFETY MICROPHONE AVAILABLE



Specifications

	VX-5500L	VX-5500V	VX-5500U
	LOW	VHF	UHF
General Specifications			
Frequency Range	29.7-37 MHz (A) 37-50 MHz (B)	134-160 MHz (A) 148-174 MHz (C)	400-430 MHz (A) 450-490 MHz (D) 480-512 MHz (F)
Number of Channels	250 Channels		
Channel Spacing	20 kHz	12.5/25/30 kHz	
PLL Steps	5/6.25 kHz	2.5/5/6.25 kHz	
Power Supply Voltage	13.6 V DC±15 %		
Current Consumption TX	14 A	12 A	13 A
RX	2.1 A		
STBY	600 mA		
Operating Temperature Range	-22° F to 140° F (-30° C to +60° C)		
Frequency Stability	Better than ±5 ppm	Better than ±2 ppm	
RF Input-Output Impedance	50 Ohms		
Audio Output Impedance	4 Ohms		
Dimensions (WHD)	7" x 2.4" x 7" (178 x 60 x 195 mm)		
Weight	4.9 lb. (2.2 kg)		
Receiver Specifications			
Measurements made per EIA standard TIA/EIA-603			
Circuit Type	Double-conversion Super-heterodyne		
Sensitivity(EIA 12 dB SINAD)	0.25 µV		
Adjacent Channel Selectivity	85 dB	85 / 77 dB	85 / 77 dB
Intermodulation	80 dB	80 / 75 dB	80 / 75 dB
Spurious and Image Rejection	90 dB	90 dB	90 dB
Audio Output	5 W @4 Ohms 3 % THD / 10 W @4 Ohms 3 % THD (ex t. speaker jack)		
Transmitter Specifications			
Measurements made per EIA standard TIA/EIA-603			
Power Output	70 W/30 W	50 W/5 W	45 W/ 5 W
Modulation	16K0F3E	16K0F3E , 11K0F3E	
Maximum Deviation	5 kHz	5.0 / 2.5 kHz	
Conducted Spurious Emissions	80 dB Below Carrier		
Audio Distortion (@ 1 kHz)	< 2 %		
Microphone type	Dynamic		
Microphone impedance	600 ohms		

Measurements per EIA standards unless noted above. Specifications subject to change without notice or obligation.

Applicable MIL-STD

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures
Low Pressure	501.1/Procedure I, II	500.2/Procedure II	500.3/Procedure II
High Temperature	502.1/Procedure I	501.2/Procedure I, II	501.3/Procedure I, II
Low Temperature	503.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II
Temperature Shock	505.1/Procedure I	503.2/Procedure I	503.3/Procedure I
Solar Radiation		505.2/Procedure I	505.3/Procedure I
Rain*		506.2/Procedure I, II	506.3/Procedure I, II
Humidity	507.1/Procedure II	507.2/Procedure II	507.3/Procedure II
Salt Fog		509.2/Procedure I	509.3/Procedure I
Dust		510.2/Procedure I	510.3/Procedure I
Vibration	514.2/Procedure VIII, X	514.3/Procedure Cat. 10	514.4/Procedure Cat. 10
Shock	516.2/Procedure I, V	516.3/Procedure I, IV	516.4/Procedure I, IV



* Control Head Only



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