VX-350 SERIES

VHF/UHF Portable Radios



LONG BATTERY LIFE MORE THAN 15 HOURS WITH 2000 mA LI-ION BATTERY FNB-V96LI

The VX-350 Portables may be equipped with advanced FNB-V96LI Lithium-Ion Battery Packs with 2000 mAh of capacity, for operating times of more than 15 hours, even when using 5 Watts (5-5-90 duty cycle, w/saver).

Battery	Saver ON (RX:STBY 1:4)	Saver OFF
FNB-V96LI 2000mAh	15.5 (15) hrs	13 (12.5) hrs
FNB-V95LI 1800 mAh	14 (13.5) hrs	11.7 (11.3) hrs

WIDE BANDWIDTH

(): UHF version

For communicating with other agencies, companies, or even within your own communucations system, the wide bandwidth of this radio will let you operate anywhere within the 40 MHz (VHF) or 62 MHz (UHF) band.

8-CHARACTER ALPHANUMERIC DISPLAY (VX-354)

Providing indication of either the channel number or an Alphanumeric Channel Label of up to 8 characters, the LCD display also provides convenient operation function icons to provide instant recognition of radio status. Including signal strength indicator and battery gauge.

500 mW LOUD AUDIO WITH LARGE 1.4" SPEAKER

Ideal for reception in noisy environments, the VX-350's high-powered audio is coupled to a large 1.4" internal speaker, assuring solid copy throughout difficult crowd control, fire, or sporting-event operations.

COMPACT AND RUGGED CONSTRUCTION

Weighing just 11 oz and measuring just 2.3" x 4.1" x 1.3" (WHD) the VX-350 is ideal for business, industry, and public safety applications where light weight and compact size are important.

WIDE/NARROW BANDWIDTH PER CHANNEL

When programming radios for use in different jurisdictions, the VX-350 Series portables may be set up, channel by channel, for use in 12.5 kHz, 20 kHz, or 25 kHz channel spacing environments. Deviation and bandwidth are automatically set according to the configuration you choose.

BUILT-IN EMERGENCY FEATURE

With the built-in emergency feature, you are never alone. Any softkey can be programmed for Emergency operation. When activated, the radio will go to a designated channel, broadcast the unit ID and transmit live audio for pre-determined intervals.

2-TONE ENCODE AND DUAL 2-TONE DECODE

The VX-350 Series can transmit a 2-Tone paging call, and can receive 2-Tone calls using different tone combinations. For advanced network or fleet operations, a 5-Tone Encoder-Decoder circuit is included in the VX-350 Series.

DTMF ANI

A DTMF Automatic Number Identification string may be programmed into the VX-350, providing the dispatcher with a multiple-digit confirmation of the transmitting portable's identity.

DTMF PAGING (OPTION)

The optional FVP-25 board adds a DTMF paging decoder. With DTMF you can Stun, Kill and Alert.

ENCRYPTION (OPTION) VOICE INVERSION, ROLLING CODE

The FVP-35 and FVP-36 Encryption Units provide security for your important public safety and security communications. A DTMF Paging function is also included in the FVP-25 module, for selective calling.

MDC-1200® / GE-STAR® ANI ENCODE (OPTION)

Automatic Number Identification, triggered by the pressing of the PTT key, is available in the most popular industry-standard formats, via the optional VME-100.

OTHER FEATURES

 VERSATILE SCAN (PRIORITY, DUAL WATCH, FOLLOW-ME AND TA SCAN) • CTCSS / DCS ENCODE AND DECODE • ARTS™ (AUTO-RANGE TRANSPOND SYSTEM) • PC PROGRAMMING • RADIO-TO-RADIO CLONING

Applicable MIL-STD (Pending)

Standard	MIL 810D	MIL 810E	MIL 810F
	Methods/Procedures	Methods/Procedures	Methods/Procedures
Low Pressure High Temperature Low Temperature Temperature Shock Rain Humidity Salt Fog Dust Vibration Shock	506.2/Procedure II 507.2/Procedure II, III 509.2 510.2/Procedure I	500.2/Procedure I, II 501.3/Procedure I, II 502.3/Procedure I, II 503.3/Procedure I 506.3/Procedure II 507.3/Procedure II, III 509.3 510.3/Procedure I 514.4/Procedure Cat. 10 516.4/Procedure I	500.3/Procedure I, II 501.4/Procedure I, II 502.4/Procedure I, II 503.4/Procedure I, II 506.4/Procedure I, III 507.4 509.4 510.4/Procedure III 514.5/Procedure Cat. 24 516.5/Procedure Cat. 24

Specifications

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	VHF	UHF			
General Specification					
Frequency Range	134 -174 MHz	400 - 470 MHz			
		450 - 512 MHz			
Number of Channels	16				
Power Supply Voltage	7.4 V DC ±20 %				
Channel Spacing	12.5/20/25 kHz				
Battery Life (5-5-90 duty)	45 5 has (40 has su/s assess)	45 h (40 5 h			
w/FNB-V96LI (2000mAh)	15.5 nrs (13 nrs w/o saver)	15 hrs (12.5 hrs w/o saver)			
Operating Temperature Range	-22° F to 140° F (-30° C to +60° C)				
Frequency Stability	±2.5 ppm				
RF Input-Output Impedance	50 Ohm				
Dimension (W x H x D)	2.3" x 4.1" x 1.3" (58 x 105 x 33 mm)				
Weight (Approx.)	10.9 oz (310 g) w/FNB-V96LL ANT				

	VHF	UHF	
Receiver Specification	measured by TIA/EIA-603		
Sensitivity (12dB SINAD)	0.25 μV	0.25 μV	
Adjacent Channel Selectivity	65 / 60 dB		
Intermodulation	65 / 60 dB		
Spurious and Image Rejection	60 dB		
Audio Output	500mW @ 4 ohms 5% THD		
Transmitter Specification	measured by TIA/EIA-603		
Output Power	5 / 1 W	5 / 1 W	
Modulation	16K0F3E, 11K0F3E		
Conducted Spurious Emission	65 dB below carrier		
FM Hum & Noise	45 / 40 dB		
Audio Distortion	< 3 % @1kHz		

Specification may be changed without notification

Accessories & Options



MH-450S Speaker Microphone



MH-37A4B Earpiece Microphone







ANI Encode Unit

VHF

ATV-6C

ATV-6XL

ATV-8C





ATU-6DS 450-485 MHz/3.51

ATV-10B 150-160 MHz HIGH GAIN

ATV-10C 155-165 MHz HIGH GAIN

ATV-10E 165-175 MHz HIGH GAIN

145-155 MHz HIGH GAIN

ATU-6F 490-512 MHz

Rolling Code

FNB-V96LI











Programming Cable USB FIF-10/A + CT-106 RS-232C CT-29 + CT-28 **Programming Software CE86** ■ ANTENNA LIST

ATU-6A 400-430 MHz

ATU-6D 450-490 MHz

ATV-8A 134-151 MHz ATV-8B

ATV-6A 134-151 MHz/3.5"

ATV-6B 150-163 MHz/3.5"

161-174 MHz/3.5"

VHF UNTUNED

150-163 MHz

161-174 MHz

Li-Ion Battery Pack

*B for 120 VAC. C for 230 VAC, F for 220 VAC Various accessories listed may not be available in some countries



Vertex Standard **US Headquarters**

ATV-10A