

# VX-260 SERIES

## COMPACT, DEDICATED PTT COMMUNICATION

### PORTABLE ANALOG RADIOS

For basic push-to-talk communication, look to the VX-260 Series.

Choose from two portable analog radios: the VX-261 (without display) and VX-264 (with display). With enhanced interoperability, you can choose from multiple signaling options, such as: MDC1200®, FleetSync®, DTMF, and 2-tone or 5-tone capabilities for seamless integration into a mixed fleet. Compatible with the universal battery system, you'll eliminate equipment clutter and confusion by standardizing on one charging base for the entire team.

#### GENERAL FEATURES

- Channel Capacity:
  - 16 Channels/ 1 Group (VX-261)
  - 128 Channels/ 8 Groups (VX-264)
- Programmable Keys:
  - 2 Programmable Keys (VX-261)
  - 6 Programmable Keys (VX-264)
- Display:
  - No Display (VX-261)
  - 8 Character Alphanumeric Display (VX-264)

- Safety Features:
  - Lone Worker Alert
  - Emergency Alert
- Operates in a Universal Battery System
- Multiple Scan Options
- Auto Range Transponding System (ARTS™)
- Voice Inversion Encryption (VX-264)
- Internal VOX (When Used with VOX Accessory)

#### SIGNALING FEATURES

- CTCSS/DCS Encode and Decode
- MDC-1200® ANI Encode
- FleetSync® ANI Encode
- 2-Tone Encode/Decode
- 5-Tone Encode/Decode
- DTMF ANI Encode



## GENERAL SPECIFICATIONS

	VX-261	VX-264
Frequency Range	VHF: D0:136-174 MHz/UHF: G6:403-470 MHz/UHF: G7:450-512 MHz	
Dimensions (H x W x D) with FNB-V133LI-UNI (Inch)	4.3 x 2.3 x 1.3 in (109.2 x 58.4 x 32.3 mm)	
Weight	9.9 oz (281 g) (w/FNB-V133LI-UNI, Antenna, Belt Clip) 11.6 oz (330 g) (w/FNB-V134LI-UNI, Antenna, Belt Clip)	
Display	No	8 Character Alphanumeric
Power Output	5/1W	
Channel Spacing	25/20*/12.5* kHz	
Audio Output	700 mW @ 16 Ohms (Internal)/500 mW @ 4 Ohms (External)	
SP Size (φ)	36	
Number of Channels	16	128
Number of Groups	1	8
Programmable Buttons	2	6
PC Programming	CE150	
Radio to Radio Cloning	Yes	
Battery Life	FNB-V133LI-UNI: 10.8 h (8.8 h w/o Saver)/FNB-V134LI-UNI: 19 h (15.5 h w/o Saver)	
IP Rating	55	
Power Supply Voltage	7.4 V DC±10 %	
Operating Temperature Range	-22° F to +140° F (-30° C to +60° C)	
Frequency Stability	±2.5 ppm	
RF Input-Output Impedance	50 Ohms	

## RECEIVER SPECIFICATIONS measured by TIA/EIA 603

Circuit Type	Double Conversion Superheterodyne
Sensitivity (12dB SINAD)	0.25 uV Typical
Adjacent Channel Selectivity	65/60 dB (25 kHz/12.5 kHz)
Frequency	VHF: 136-174 MHz/UHF: 403-470 MHz, 450-520 MHz
Channel Spacing	25/20/12.5 kHz
Intermodulation	65 dB
Spurious Image Rejection	70 dB
Hum and Noise	40 dB
Audio Output (5% THD)	700 mW @ 16 Ohms (Internal)/500 mW @ 4 Ohms (External)
Audio Distortion	< 5%
Conducted Spurious	-57 dB

## TRANSMITTER SPECIFICATIONS measured by EN 300 086

Output Power	5/1 Watt
Modulation	16K0F3E/14K0F3E (EU)/11K0F3E
Maximum Deviation	±5.0 kHz/±4.0 kHz (EU)/±2.5 kHz
Conducted Spurious Emissions	70 dB Below Carrier
FM Hum and Noise	40 dB
Audio Distortion (@1 kHz)	< 5 %

## APPLICABLE MIL-STD

Standard	Methods/Procedures				
	MIL 810C	MIL 810D	MIL 810E	MIL 810F	MIL 810G
Low Pressure	500.1 proc 1	500.2 proc 2	500.3 proc 2	500.4 proc 1/2	500.5 proc 1/2
High Temperature	501.1 proc 1/2	501.2 proc 1/A1 proc 2/A1	501.3 proc 1/A1 proc 2/A1	501.4 proc 1/HOT proc 2/HOT	501.5 proc 1/A1 proc 2/A2
Low Temperature	502.1 proc 1	502.2 proc 1/Cat3 proc 2/Cat 1	502.3 proc 1/Cat 3 proc 2/Cat 1	502.4 proc 1/Cat 3 proc 2/Cat 1	502.5 proc 1/Cat 3 proc 2/Cat 1
Temperature Shock	503.1 proc 1	503.2 proc 1/A1 Cat 3	503.3 proc 1/A1 Cat 3	503.4 proc 1	502.5 proc 1/C
Solar Radiation	505.1 proc 2	505.2 proc 1	505.3 proc 1	505.4 proc 1	502.5 proc 1/A1
Rain	506.1 proc 1/2	506.2 proc 1/2	506.3 proc 1/2	506.4 proc 1/3	506.5 proc 1/3
Humidity	507.1 proc 2	507.2 proc 2	507.3 proc 2	507.4	507.5 proc 2/Agg
Salt Spray/Fog	509.1 proc 1	509.2 proc 1	509.3 proc 1	509.4	509.5
Blowing Dust	510.1 proc 1	510.2 proc 1	510.3 proc 1	510.4 proc 1	510.5 proc 1
Blowing Sand	-	510.2 proc 2	510.3 proc 2	510.4 proc 2	510.5 proc 2
Vibration	514.2 proc 8/FW	514.3 proc 1/Cat 10 proc 2/Cat 3	514.4 proc 1/Cat 10 proc 2/Cat 3	514.5 proc 1/Cat 24	514.6 proc 1/Cat 24
Shock	516.2 proc 1/2/3/5	516.3 proc 1/4/6	516.4 proc 1/4/6	516.5 proc 1/4/6	516.6 proc 1/4/6



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## ACCESSORIES

### Antennas

- ATU-6A: 400-430 MHz 6.5" (16.51 cm)
- ATU-6B: 420-450 MHz 6.1" (15.49 cm)
- ATU-6C: 440-470 MHz 6.1" (15.49 cm)
- ATU-6D: 450-485 MHz 6" (15.24 cm)
- ATU-6DS: 450-485 MHz 3.5" (8.89 cm)
- ATU-6F: 490-512 MHz 5.35" (13.58 cm)
- ATV-6B: 150-163 MHz 3.5" (8.89 cm)
- ATV-6C: 161-174 MHz 3.5" (8.89 cm)
- ATV-6XL: Untuned VHF 7" (17.78 cm)
- ATV-8A: 134-150 MHz 6" (15.24 cm)
- ATV-8B: 150-163 MHz 6" (15.24 cm)
- ATV-8C: 162-174 MHz 6" (15.24 cm)

### Battery

- FNB-V133LI-UNI: 1380 mAh Li-Ion
- FNB-V134LI-UNI: 2300 mAh Li-Ion

### Carry Solutions

- LCC-261: Leather Case, Belt Loop (FNB-V133LI)
- LCC-261H: Leather Case, Belt Loop (FNB-V134LI)
- LCC-261S: Leather Case, Swivel Belt Loop (FNB-V133LI)
- LCC-261SH: Leather Case, Swivel Belt Loop (FNB-V134LI)
- LCC-264: Leather Case, Belt Loop (FNB-V133LI)
- LCC-264H: Leather Case, Belt Loop (FNB-V134LI)
- LCC-264S: Leather Case, Swivel Belt Loop (FNB-V133LI)
- LCC-264SH: Leather Case, Swivel Belt Loop (FNB-V134LI)
- CLIP-20: Belt Clip

### Chargers

- CD-58: Charger Base
- PA-55: AC Adaptor
- VAC-6058: MUC Charger (Multiple Plugs for Both Regions)
- VCM-5: Vehicular Charger Mounting Adaptor

### Audio Accessories

- MH-360S: Compact Speaker Microphone with 3.5mm

### Audio Jack

- MH-450S: Speaker Microphone with 3.5mm Audio Jack
- MH-45B4B: Noise Cancelling Speaker Microphone with 3.5mm Audio Jack
- MH-66A4B IP57: Submersible Speaker Microphone
- MH-37A4B-1: Earpiece Microphone
- VH-150A: VOX Capable Lightweight Headset, Behind-the-Head
- VH-150B: VOX Capable Lightweight Headset, Over-the-Head
- MH-100: Rx Only Earpiece, 3.5mm for Use with MH-450S
- MH-101A4B: Single Wire Surveillance Kit
- MH-102A4B: 2-Wire Surveillance Kit
- MH-103A4B: 3-Wire Surveillance Kit
- MH-201A4B: Heavy Duty Headset, OTH, IS



VX-261

VX-264