

# VX-260 Series

## VHF/UHF Portable Radios

### SPECIFICATION SHEET

### A New Combination of Performance and Value

The VX-260 Series delivers the ideal combination of features and performance for efficiency, reliability and interoperability. Experience a new way of getting more for less with Vertex Standard.

#### Enhanced Audio Output

Excellent Audio performance allows for better message clarity so you can be heard loud and clear in all situations.

#### Expanded Interoperability

The VX-260 Series boasts abundant signaling options such as MDC1200®, FleetSync®, DTMF, 2-tone and 5-tone capabilities, providing seamless integration into a mixed fleet.

#### Safety Not Sacrificed

Emergency alert can be programmed to instantly notify help with a press of a button. Lone Worker is a built-in timer that requires the user to reset at a predetermined interval. If not reset, the radio automatically switches to Emergency mode to alert help. An ideal solution for supervisors to monitor the safety status of radio users working alone. VOX capable with accessory.

#### Universal Battery System – One Size Fits All

The Universal Battery System for Vertex Standard portable radios takes energy interoperability to a new level by utilising a single charger base to support multiple radio series when used with designated UNI batteries. Eliminate equipment clutter and confusion by consolidating down to one battery and charging platform and increase your productivity.

#### Choose the Right Model to Match Your Need

##### VX-261

- Non-display radio
- 16 channels / 1 group
- 2 custom-programmable keys
- Superior audio quality

##### VX-264

- Display radio
- 128 channels / 8 groups
- 6 custom-programmable keys
- Embedded voice inversion encryption
- Superior audio quality



VX-261

VX-264

#### The Vertex Standard Difference

Our number one goal is achieving superior customer satisfaction by delivering products and services that exceed your expectations.

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VHF/UHF Portable Radios



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www.vertex-standard-emea.com

### Additional Features

- ▶ 16 / 128 channels (VX-261/VX-264)
- ▶ 2 or 6 programmable keys (VX-261/VX-264)
- ▶ 8-Character alphanumeric display (VX-264)
- ▶ 700 mW Internal Speaker
- ▶ MDC1200<sup>®</sup> ANI Encode
- ▶ FleetSync<sup>®</sup> ANI Encode
- ▶ ANI Decode (VX-264)
- ▶ Emergency Encode/Decode (VX-264)
- ▶ Call Alert Encode/Decode (VX-264)
- ▶ Radio Check Encode/Decode (VX-264)
- ▶ Sel Call Encode/Decode (VX-264)
- ▶ DTMF ANI Encode
- ▶ 2-Tone Encode/Decode
- ▶ 5-Tone Encode/Decode
- ▶ CTCSS / DCS Encode and Decode
- ▶ Emergency
- ▶ Lone Worker
- ▶ Multiple Scan Options
- ▶ ARTS™
- ▶ Voice Inversion Encryption (VX-264)
- ▶ Internal VOX (when used with VOX accessory)

### Accessories

#### Batteries

- ▶ FNB-VI33LI-UNI 1380 mAh Li-Ion
- ▶ FNB-VI34LI-UNI 2300 mAh Li-Ion
- ▶ FNB-VI36Ni-MH 1200 mAh

#### Chargers

- ▶ VAC-UNI Single Unit Charger
- ▶ VAC-6058 MUC Charger
- ▶ VCM-5 Vehicular Charger Mounting Adaptor (UNI Charger/Batteries)

#### Antennas

- ▶ ATU-6A 400-430 MHz
- ▶ ATU-6D 450-485 MHz
- ▶ ATU-6DS 450-485 MHz
- ▶ ATU-6F 490-512 MHz
- ▶ ATV-6B 150-163 MHz
- ▶ ATV-6C 161-174 MHz
- ▶ ATV-6XL Untuned VHF
- ▶ ATV-8A 134-150 MHz
- ▶ ATV-8B 150-163 MHz
- ▶ ATV-8C 162-174 MHz

### Audio Accessories

#### Speaker Microphones

- ▶ 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

#### Headsets/Earpieces

- ▶ 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 Receive Only Earpiece
- ▶ MH-101A4B Single Wire Surveillance Kit
- ▶ MH-102A4B Two-Wire Surveillance Kit

#### Programming Equipment

- ▶ FIF-12 USB interface for PC programming
- ▶ FRB-6 Tuning Interface Box
- ▶ CT-160 Connection Cable
- ▶ CT-106 FIF-12 to Radio Cable
- ▶ CT-27A Radio to Radio Cloning Cable

### VX-260 Series Specifications

	VX-261		VX-264		
<b>General Specification</b>					
Frequency Range	VHF: 136-174 MHz UHF: 403-470 MHz				
Dimensions (H x W x D) with FNB-VI33LI-UNI	109.2 x 58.4 x 32.3 mm				
Weight (Including battery, Antenna, Belt clip)		VX-261	VX-261	VX-264	VX-264
		VHF	UHF	VHF	UHF
	FNB-VI33LI-UNI	288g	285g	299g	296g
	FNB-VI34LI-UNI	322g	319g	333g	330g
	FNB-VI36-UNI	380g	377g	391g	388g
Display	No		8 Character Alphanumeric		
Power Output	5/1 W				
Battery life	FNB-VI33LI-UNI Lithium Ion: 10.8 h (8.8 h w/o saver) FNB-VI34LI-UNI Lithium Ion: 19 h (15.5 h w/o saver) FNB-VI36-UNI NiMH: 9.4 h (7.7 h w/o saver)				
Channel Spacing	12.5/20/25 kHz				
Audio Output	700 mW @ 16 Ohms (Internal) / 500 mW @ 4 Ohms (External)				
Number of Channels	16		128		
Number of Groups	1		8		
Programmable Buttons	2		6		
PC Programming	CE150				
Radio to Radio Cloning	Yes				
IP Rating	55				
Power Supply Voltage	7.4 V DC±10 %				
Operating Temperature Range	-30° C to +60° C				
Frequency Stability	±2.5 ppm				
RF Input-Output Impedance	50 Ohms				
<b>Receiver Specification</b>					
Sensitivity	20 dB SINAD - 2 dBuV				
Adjacent Channel Selectivity	60 / 65 dB (12.5 kHz / 25 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%				
<b>Transmitter Specification</b>					
Output Power	5 / 1 Watt				
Modulation	11K0F3E / 14K0F3E / 16K0F3E				
Maximum Deviation	±2.5 kHz / ±4.0 kHz / ±5.0 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 - 1	500.2 - 2	500.3 - 2	500.4 - 1,2	500.5 - 1,2
High Temperature	501.1 - 1,2	501.2 - 1/1A, 2/A1	501.3 - 1/A1, 2/A1	501.4 - 1/HOT, 2/HOT	501.5 - 1/A1, 2/A2
Low Temperature	502.1 - 1	502.2 - 1/Cat 3, 2/Cat 1	502.3 - 1/Cat 3, 2/Cat 1	502.4 - 1/Cat 3, 2/Cat 1	502.5 - 1/Cat 3, 2/Cat 1, 3/Cat 1
Temperature Shock	503.1 - 1	503.2 - 1/A1 Cat 3	503.3 - 1/A1 Cat 3	503.4 - 1	503.5 - 1/C
Solar Radiation	505.1 - 2	505.2 - 1	505.3 - 1	505.4 - 1	505.5 - 1/A1
Rain	506.1 - 1,2	506.2 - 1,2	506.3 - 1,2	506.4 - 1, 3	506.5 - 1/3
Humidity	507.1 - 2	507.2 - 2	507.3 - 2	507.4	507.5 - 2/Agg
Salt Spray/Fog	509.1 - 1	509.2 - 1	509.3 - 1	509.4	509.5
Blowing Dust	510.1 - 1	510.2 - 1	510.3 - 1	510.4 - 1	510.5 - 1
Blowing Sand	-	510.2 - 2	510.3 - 2	510.4 - 2	510.5 - 2
Vibration	514.2 - 8/F, W	514.3 - 1/Cat 10, 2/Cat 3	514.4 - 1/Cat 10, 2/Cat 3	514.5 - 1/Cat 24	514.6 - 1/Cat 24
Shock	516.2 - 1,2,3,5	516.3 - 1,4,6	516.4 - 1,4,6	516.5 - 1,4,6	516.6 - 1,4,6

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