

# VX-261

## COMPACT, DEDICATED PTT COMMUNICATION

### PORTABLE ANALOGUE RADIO

For basic push-to-talk communication, look to the VX-261 analogue radio.

The VX-261 (without display) comes with enhanced interoperability, allowing you to choose from multiple signalling options, such as: MDC1200®, FleetSync®, DTMF, and 2-tone or 5-tone capabilities for seamless integration into a mixed fleet. Available with a range of flexible energy solutions and accessories, you'll have all you need to provide your team with the perfect communication solution.

#### GENERAL FEATURES

- Channel Capacity:
  - 16 Channels/ 1 Group
- Programmable Buttons:
  - 2 Programmable Buttons
- Safety Features:
  - Lone Worker Alert
  - Emergency Alert
- Multiple Scan Options
- Auto Range Transponding System (ARTS™)
- Internal VOX (When Used with VOX Accessory)

#### SIGNALLING FEATURES

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



GOODBYE  
CROSSTALK



BROADEN  
YOUR REACH



COME IN LOUD  
AND CLEAR



KEEP YOUR  
TEAM SAFE



POWER THROUGH  
THE SHIFT



## GENERAL SPECIFICATIONS

Frequency Range	VHF: D0:136-174 MHz/UHF: G6:403-470 MHz
Dimensions (H x W x D) with FNB-V133LI-UNI	109 x 58 x 32 mm (4.3 x 2.3 x 1.3 in)
Weight	281 g (9.9 oz) (w/FNB-V133LI-UNI, Antenna, Belt Clip) 330 g (11.6 oz) (w/FNB-V134LI-UNI, Antenna, Belt Clip)
Power Output	5/1W
Channel Spacing	25/20/12.5 kHz
Audio Output	700 mW @ 16 Ohms (Internal)/500 mW @ 4 Ohms (External)
Number of Channels	16
Number of Groups	1
Programmable Buttons	2
PC Programming Software	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	IP55
Power Supply Voltage	7.4 V DC (Nominal)
Operating Temperature Range	-30° C to +60° C (-22° F to +140° F)
Frequency Stability	±2.5 ppm
RF Input-Output Impedance	SMA 50 Ohm

## RECEIVER SPECIFICATIONS

measured by EN 300 086

Circuit Type	Double Conversion Superhetrodyne
Sensitivity (20dB SINAD)	-2 dBµV Typical
Adjacent Channel Selectivity	65/60 dB (25 kHz/12.5 kHz)
Frequency	VHF: 136-174 MHz/UHF: 403-470 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 / 11K0F3E
Maximum Deviation	±5.0 kHz / ±4.0 kHz / ±2.5 kHz
Conducted Spurious Emissions	70 dB Below Carrier
FMI 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 proc 3/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/F W	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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Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

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## ACCESSORIES

### Antennas

- ATU-6A: 400-430 MHz 165 mm (6.5")
- ATU-6B: 420-450 MHz 155 mm (6.1")
- ATU-6C: 440-470 MHz 155 mm (6.1")
- ATV-6XL: Untuned VHF 178 mm (7")
- ATV-8A: 134-150 MHz 152 mm (6")
- ATV-8B: 150-163 MHz 152 mm (6")
- ATV-8C: 162-174 MHz 152 mm (6")

### Battery

- FNB-V133LI-UNI: 1380 mAh Li-Ion
- FNB-V134LI-UNI: 2300 mAh Li-Ion
- FNB-V136-UNI: 1200 mAh Ni-MH

### 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-55C: AC Power Adapter for CD-58 (EU Plug)
- PA-55U: AC Power Adapter for CD-58 (UK Plug)
- VAC-6058: MUC Charger
- 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-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



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