

# VX-260 SERIES

## COMPACT, DEDICATED PTT COMMUNICATION

### PORTABLE ANALOGUE RADIOS

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

Choose from two portable analogue radios: the VX-261 (without display) and VX-264 (with display). With enhanced interoperability, you can 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 (VX-261)
  - 128 Channels/ 8 Groups (VX-264)
- Programmable Buttons:
  - 2 Programmable Buttons (VX-261)
  - 6 Programmable Buttons (VX-264)
- Display:
  - No Display (VX-261)
  - 8 Character Alphanumeric Display (VX-264)
- Safety Features:
  - Lone Worker Alert
  - Emergency Alert
- Multiple Scan Options
- Auto Range Transponding System (ARTS™)
- Voice Inversion Encryption (VX-264)
- 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

|  | VX-261  | VX-264                   |
|--|---|--------------------------|
| 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)<br>330 g (11.6 oz) (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)  |                          |
| Number of Channels                         | 16  | 128                      |
| Number of Groups                           | 1   | 8                        |
| Programmable Buttons                       | 2   | 6                        |
| 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 Superheterodyne                      |
| 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            |
| 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<br>proc 2/A1        | 501.3 proc 1/A1<br>proc 2/A1        | 501.4 proc 1/HOT<br>proc 2/HOT     | 501.5 proc 1/A1<br>proc 2/A2                       |
| Low Temperature   | 502.1 proc 1       | 502.2 proc 1/Cat3<br>proc 2/Cat 1   | 502.3 proc 1/Cat 3<br>proc 2/Cat 1  | 502.4 proc 1/Cat 3<br>proc 2/Cat 1 | 502.5 proc 1/Cat 3<br>proc 2/Cat 1<br>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<br>proc 2/Cat 3 | 514.4 proc 1/Cat 10<br>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                                   |



Motorola Solutions Ltd. Nova South, 160 Victoria Street, London, SW1E 5LB, UK. [www.motorolasolutions.com](http://www.motorolasolutions.com)

Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. © 2017 Motorola Solutions, Inc. All rights reserved. 11-2017

## 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



VX-261

VX-264