

EVX-261

MIGRATE TO DIGITAL



GOODBYE
CROSSTALK



BROADEN
YOUR REACH



COME IN LOUD
AND CLEAR



KEEP YOUR
TEAM SAFE



POWER THROUGH
THE SHIFT

PORTABLE DIGITAL RADIOS

Make the move to digital easily and affordably.

The EVX-261 operates in both analog and digital modes, so it's ideal for use with mixed fleets. With expanded interoperability, you can choose from multiple signaling options, including MDC1200®, DTMF, and 2-tone or 5-tone capabilities, along with voice inversion encryption. And in digital mode, enjoy noise cancellation for crisp audio and clear conversations. 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
- 2 Programmable Keys
- Safety Features:
 - Lone Worker Alert
 - Emergency Alert
- Operates in a Universal Battery System
- Multiple Scan Options
- Internal VOX (When Used with VOX Accessory)

ANALOG MODE FEATURES

- Auto Range Transponding System (ARTS™)

SIGNALING FEATURES

- MDC-1200® ANI Encode
- FleetSync® ANI Encode
- CTCSS/DCS Encode and Decode
- 2-Tone Encode/Decode
- 5-Tone Encode/Decode
- Remote Stun/Kill/Revive (5-Tone)

DIGITAL MODE FEATURES

- Direct Mode
- Transmit Interrupt (Decode Only)
- All Call/Group Call/Individual Call
- Basic Privacy



GENERAL SPECIFICATIONS

| | VHF | UHF |
|---|---|--|
| Frequency Range | D0: 136-174 MHz | G6: 403-470 MHz G7: 450-520MHz |
| Dimensions (H x W x D) | 4.3 x 2.3 x 1.3 in (109.2 x 58.4 x 32.3 mm) with FNB-V133LI-UNI | |
| Weight Approx. | 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 | |
| Channel Spacing | 25*/12.5 kHz | |
| SP Size | 36 | |
| Number of Channels | 16 | |
| Programmable Buttons | 2 | |
| SP Size () | 36 | |
| Battery Life (5-5-90 Duty with Battery Saver) | FNB-V133LI: 9.8 h (D)/8.1 h (A) FNB-V134LI: 17.0 h (D)/14.0 h (A) | FNB-V133LI: 9.3 h (D)/8.0 h (A) FNB-V134LI: 16.1 h (D)/13.6 h (A) |
| 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 | ±1.5 ppm | |
| RF Input-Output Impedance | 50 Ohms | |

RECEIVER SPECIFICATIONS

measured by TIA/EIA 603

| | |
|---------------------------------|---|
| Circuit Type | Direct Conversion |
| Sensitivity Analog 12 dB SINAD: | 0.25 uV/Digital 1% BER: 0.28 uV |
| Adjacent Channel Selectivity | TIA603: 70/60 dB (25 kHz/12.5 kHz), TIA603D: 70/45 dB (25 kHz/12.5 kHz) |
| Channel Spacing | 25/12.5 kHz |
| Intermodulation | 70 dB |
| Spurious Image Rejection | 70 dB |
| Hum and Noise | 45/40 dB (25 kHz/12.5 kHz) |
| Audio Output (5% THD) | 700 mW @ 16 Ohms (Internal)/500 mW @ 4 Ohms (External) |
| Audio Distortion | < 5% |
| Conducted Spurious Emission | -57 dBm |

TRANSMITTER SPECIFICATIONS

measured by TIA/EIA 603

| | |
|-----------------------------|---|
| Output Power | 5/1 W |
| Modulation Limiting | ±5.0 kHz (25 kHz)/±2.5 kHz (12.5 kHz) |
| Conducted Spurious Emission | -36 dB (≤ 1 GHz), -30 dB (> 1 GHz) |
| FM Hum and Noise | 45/40 dB (25 kHz/12.5 kHz) |
| Audio Distortion (@1 kHz) | < 5% |
| Analog FM Modulation | 16K0F3E (25 kHz)/11K0F3E (12.5 kHz) |
| 4FSK Digital Modulation | 12.5 kHz Data: 7K60F1D and 7K60FXD/12.5 kHz Voice: 7K60F1E and 7K60FXE 12.5 kHz Data and Voice: 7K60F1W |
| Digital Vocoder Type | AMBE +2™ |
| Digital Protocol | ETSI TS102 361-1, -2, -3 |

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 |



Motorola Solutions, Inc. 500 West Monroe Street, Chicago, IL 60661 U.S.A. www.motorolasolutions.com/evx261

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ACCESSORIES

Antennas

- ATU-6A: 400-430 MHz UHF Antenna 6.5" (16.51 cm)
- ATU-6B: 420-450 MHz UHF Antenna 6.1" (15.49 cm)
- ATU-6C: 440-470 MHz UHF Antenna 6.1" (15.49 cm)
- ATU-6D: 450-485 MHz UHF Antenna 6" (15.24 cm)
- ATU-6DS: 450-485 MHz UHF Antenna 3.5" (8.89 cm)
- ATU-6F: 485-520 MHz UHF Antenna 5.35" (13.58 cm)
- ATV-6XL: Untuned VHF Antenna 7" (17.78 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)
- CLIP-20: Belt Clip

Chargers

- CD-58: Charger Base
- PA-55: AC Adapter
- 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
- MH-66A4B: Noise Cancelling Speaker Microphone with 3.5mm Audio Jack
- 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
- MH-101A4B: Single Wire Surveillance Kit
- MH-102A4B: 2-Wire Surveillance Kit
- MH-103A4B: 3-Wire Surveillance Kit
- MH-201A4B: Heavy Duty Headset