

# 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 analogue and digital modes, so it's ideal for use with mixed fleets. With expanded interoperability, you can choose from multiple signalling 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. 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
- 2 Programmable Buttons
- Safety Features:
  - Lone Worker Alert
  - Emergency Alert
- Multiple Scan Options
- Internal VOX (When Used with VOX Accessory)

#### ANALOGUE MODE FEATURES

- Auto Range Transponding System (ARTS™)

#### SIGNALLING 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
Dimensions (H x W x D)	109 x 58 x 32 mm (4.3 x 2.3 x 1.3 in) with FNB-V133LI-UNI	
Weight Approx.	281 g (9.9 oz) (w/FNB-V133LI-UNI, Antenna, Belt Clip) 330 g (11.6 oz) (w/FNB-V134LI-UNI, Antenna, Belt Clip)	
Display	No	
Channel Spacing	25 / 20 / 12.5 kHz	
SP Size	36	
Number of Channels	16	
Programmable Buttons	2	
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	IP55	
Power Supply Voltage	7.4 V DC (Nominal)	
Operating Temperature Range	-30° C to +60° C (-22° F to +140° F)	
Frequency Stability	±1.5 ppm	
RF Input-Output Impedance	SMA 50 Ohm	

RECEIVER SPECIFICATIONS		measured by EN 300 086, EN 300 113
Circuit Type	Direct Conversion	
Sensitivity	0.4 uV/Digital 1% BER: 0.28µV	
Adjacent Channel Selectivity	70/60 dB (25 kHz/12.5 kHz)	
Intermodulation	65 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 EN 300 086, EN 300 113
Output Power	5/1 W	
Modulation Limiting	± 5 kHz (25 kHz), ± 4 kHz (20 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), 14K0F3E (20 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

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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.

#### ACCESSORIES

##### Antennas

- ATU-6A: 400-430 MHz UHF Antenna 165mm (6.5")
- ATU-6B: 420-450 MHz UHF Antenna 155 mm (6.1")
- ATU-6C: 440-470 MHz UHF Antenna 155 mm (6.1")
- ATU-6D: 450-485 MHz UHF Antenna 152 mm (6")
- ATU-6DS: 450-485 MHz UHF Antenna 89 mm (3.5")
- ATU-6F: 485-520 MHz UHF Antenna 136 mm (5.35")
- ATV-8A: 134-151 MHz VHF Antenna 152 mm (6")
- ATV-8B: 150-163 MHz VHF Antenna 152 mm (6")
- ATV-8C: 161-174 MHz VHF Antenna 152 mm (6")
- ATV-6XL: Untuned VHF Antenna 178 mm (7")

##### 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)
- 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-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



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