

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 RADIO

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)

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

ANALOGUE MODE FEATURES

- Auto Range Transponding System (ARTS[™])



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: 0.28uV
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.

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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