KENWOOD

NEXEDGE®

NX-240V/340U

NEXEDGE® VHF/UHF Digital & Analog Portable Radios

NXDN® FleetSync®



GENERAL FEATURES

- 5 W (136-174 MHz) VHF
- 5 W (450-520 MHz) UHF
- Max. 16 CH per Zone
- 2 Conventional Zones
- Transmit / Busy / Call Alert / Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- On/Off Volume Knob
- 2 PF Keys
- 1.0 W Speaker Audio (Internal Speaker)
- 16-Position Mechanical Selector
- Zone / CH# Voice Announcement
- KMC-48GPS Speaker Mic Option
- VOX Ready
- Emergency Call Features
- Lone Worker Alert (per CH)
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- KPG-170D Windows® FPU
- Wireless Cloning
- Password Protected
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

DIGITAL – GENERAL

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 kHz Channels
- Over-the-Air Alias (TX Only)
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- GPS Location with Voice
- NXDN® Scrambler Included

DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Site Roaming*

SCAN

- Single Zone Scan
- Single Priority Scan

ANALOG MODES – GENERAL

- 12.5 kHz Channels
- Conventional Zones
- FleetSync®, MDC-1200, DTMF
- QT/DQT/Two-Tone
- Voice Inversion Scrambler (16 Codes)

FleetSync®

- PTT ID ANI
- Selective / Group Call
- Paging Call
- Emergency Status
- Send GPS Data

MDC-1200

- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

ACCESSORIES INCLUDED

- KNB-45L Li-ion Battery
- KSC-35SK 3-Hour Fast Charger
- KBH-10 Spring Action Belt Clip
- KRA-26/27 Removeable Antenna

*Future availability

Options

- **KNB-45L** 2,000mAh/7.4V Li-Ion Battery Pack 
- **KRA-26** VHF Helical Antenna 
- **KMC-45** Speaker Microphone 
- **KHS-31** C-Ring PTT Ear Hanger Headset 
- **KSC-35SK** Fast Charger For the KNB-45L/69L (3-Hour) 
- **KRA-27** UHF Whip Antenna 
- **KHS-26** Earbud In-line PTT Headset 
- **KMB-28** Six Unit Charger Adapter (for six KSC-35SK chargers) (chargers not included) 
- **KBH-10** Belt Clip 
- **KVC-22** DC Vehicular Charger Adapter 
- **KMC-48GPS** GPS Speaker Microphone 
- **KHS-27** D-Ring In-line PTT Headset 
- **KLH-187** Nylon Case 

Main Specifications

All accessories and options may not be available in all markets.
Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

	NX-240V	NX-340U
GENERAL		
Frequency Range	136-174 MHz	450-520 MHz
Number of Channels	32	
Zones	2	
Max. Channels per Zone	16	
Channel Spacing Analog	12.5 kHz	
Channel Spacing Digital	6.25 kHz	
Operating Voltage	7.5V DC ± 20%	
Battery Life (5-5-90 during hi-power battery saver: OFF/ON with KNB-45L (2000mAh)	Approx. 12/18 hours	
Operating Temperature Range*	-22˚ F ~ +140˚ F (-30˚ C ~ +60˚ C)	
Frequency Stability	± 2.0 ppm	± 1.0 ppm
Antenna Impedance	50 Ω	
Dimensions (W x H x D) with KNB-45L Projections Not Included	2.13 x 4.8 x 1.39 in (54 x 122 x 35.3 mm)	
Weight (net) Radio Only	5.8 oz (165 g)	
Weight (net) with KNB-45L	9.9 oz (281 g)	
FCC ID	ALH443700	ALH443800

**-14°F ~ +140°F (-10°C ~ +60°C) When KNB-29N/45L/69L is in use.*

	NX-240V	NX-340U
RECEIVER		
Sensitivity Digital @ 6.25 kHz (3% BER)	0.25 µV	
Sensitivity Analog (12 dB SINAD)	0.25 µV	
Selectivity Analog @ 12.5 kHz	60 dB	
Intermodulation Distortion Analog	60 dB	
Spurious Response Analog	70 dB	
Audio Distortion	Less than 10%	
Audio Output	1 W / 12 Ω (Internal Output) 500mW / 8 Ω (External Output)	
TRANSMITTER		
RF Power Output High / Low	5 W / 1 W	
Spurious Response	70 dB	
FM Hum & Noise Analog	40 dB	
Audio Distortion	Less than 10%	
Modulation	11K0F3E, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D	

Analog measurements made per TIA/EIA 603 and specifications shown are typical. Specifications are subject to change without notice, due to advancements in technology.

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AMBE+2™ is a trademark of Digital Voice Systems Inc.
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Applicable MIL-STD & IP

MIL Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures	MIL 810G Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II	501.5/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III	506.5/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III	510.5/Procedure I
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I	514.6/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV	516.6/Procedure I, IV
International Protection Standard					
Dust & Water Protection	IP54/55*				

**To meet MIL810 and IP grade, the 2-pin connector has to be connected.*

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JQA-1205 091
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ADS#28213 Printed in USA