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, 400-470 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

Options

- **KNB-29N** Ni-MH Battery Pack (1,500mAh)
- **KNB-45L** 2,000mAh/7.4V Li-Ion Battery Pack
- **KNB-69L** 2,550mAh/7.4V Li-Ion Battery Pack
- **KSC-35SK** Fast Charger For the KNB-45L/69L (3-Hour)
- **KSC-43K** Dual Chemistry Fast Charger For the KNB-29N/45L/69L
- **KVC-22** DC Vehicular Charger Adapter
- **KRA-41** VHF Stubby Antenna
- **KRA-42** UHF Stubby Antenna
- **KRA-22** VHF Low Profile Helical Antenna
- **KRA-23** UHF Low Profile Helical Antenna
- **KRA-26** VHF Helical Antenna
- **KRA-27** UHF Whip Antenna
- **KMC-48GPS** GPS Speaker Microphone
- **KMC-45** Speaker Microphone
- **KMC-21** Compact Speaker Microphone
- **KEP-2** Earphone Kit for KMC-45 (2.5mm plug
- **KHS-7** Single Muff Headset
- **KHS-7A** Single Muff Headset with In-line PTT
- **KHS-8BL** 2-Wire Palm Mic with Earphone (Black)
- **KHS-9BL** 3-Wire Lapel Mic with Earphone (Black)
- **KHS-22** Behind-the-head Headset with PTT
- **KHS-23** 2-wire Palm Mic
- **KHS-25** D-Ring Ear Hanger with PTT & Boom Mic
- **KHS-26** Earbud In-line PTT Headset
- **KHS-27** D-Ring In-line PTT Headset
- **KHS-31** C-Ring PTT Ear Hanger Headset
- **KMB-28** Six Unit Charger Adapter (for six KSC-35SK chargers) (chargers not included)
- **KBH-10** Belt Clip
- **KLH-187** Nylon Case

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.

Main Specifications

		NX-240V	NX-340U
GENERAL			
Frequency Range	**Type 1**	136-174 MHz	450-520 MHz
	Type 2		400-470 MHz
Number of Channels		32	
Zones		2	
Max. Channels per Zone		16	
Channel Spacing	**Analog**	12.5 kHz	
	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)	
	with KNB-45L	9.9 oz (281 g)	
FCC ID	**Type 1**	ALH443700	ALH443800
	Type 2		ALH443801

-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	
	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.

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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