

NX-1200/1300

MULTI-PROTOCOL DIGITAL & ANALOG PORTABLE RADIOS

NXDN® **DMR** **DMR Auto Slot Select** **FleetSync**

A SINGULAR SOLUTION

If you are thinking of harnessing the latest digital protocols – NXDN or DMR – to enhance business efficiency or FM analog for its simplicity, the NEXEDGE NX-1200/1300 radios have you covered. Our singular solution offers the widest selection of two-way radios for everyday use. The model matrix also includes basic and enhanced keypad variations, with or without a high-contrast backlit LCD. Other features include a 7-color LED indicator and the popular KENWOOD 2-pin audio accessory connector. Plus, mixed-mode operation ensures seamless integration with legacy radios while smoothing the onward migration path to digital. But whatever your specific needs, audio quality is what determines clear voice communications – which is why KENWOOD radios are used under the most grueling conditions, like the cockpit of a racing car. Thanks to our extensive experience with professional systems, reliability is second to none. So whatever your radio requirements, KENWOOD's NEXEDGE NX-1200/1300 radios offer a single platform that's right for you.



Full, Standard Keypad & Basic Models

Features

Multi-protocol digital radio: Designed to operate under NXDN or DMR digital and FM analog protocols

Choose from direct & intuitive LCD with full keypad, standard keypad or basic enclosures

Easy visible Display: 8-digit LCD models featuring high-contrast, white backlit LCD

Large 7-Color LED indicator on the top panel

- Selective Power-on LED
- Selective Call Alert LED
- Battery Level Indication
- Multi-status function indication

RF output power 5W both on VHF/UHF

Mixed Zone - analog and digital

Renowned KENWOOD Audio Quality: TX/RX audio profile with optimizable digital processor

- Audio Equalizer: Flat, High, Low
- Auto Gain Control: On, High, Low, Off
- Noise Suppressor
- Microphone type settings

Multiple Scan Functions; Dual Priority, Single Priority, Single Zone, Multi, Normal Scan

VOX & PTT –triggered Semi- VOX, Voice-operated TX

Emergency Function: Customizable Emergency Profile

Lone Worker

Max / Min Volume setting & Volume control

Voice Announcement

Remote Stun / Kill / Check

Electronic Serial Number (ESN)

MIL-STD-810 C/D/E/F/G

IP-54 and IP55 NX-1200xK, xK2/NX-1300xK4, xK5 Models

IP-67 NX-1200xK3, NX-1300xK6 Models

Digital – DMR Mode

TDMA 2-slot 12.5 kHz bandwidth equivalent to 6.25 kHz very narrow bandwidth

DMR Tier II Conventional Operation

Site Roaming

DMR Auto Slot Select

Dual Slot Direct Mode

Digital / Analog Mixed mode

Call Interruption

Group / Individual Call

Status / Short data, Paging Call

Remote Stun / Kill, Monitor, Check & Control

Enhanced Encryption (ARC4)

Digital Bit Scrambler

Late Entry

Over-the-Air Alias (OAA)

Digital – NXDN® Mode

FDMA – Very narrow 6.25 kHz & narrow 12.5 kHz bandwidths

NXDN Conventional Operation

Site Roaming

Digital / Analog Mixed mode

Group / Individual Call

Status / Short data, Paging Call

Remote Stun / Kill, Monitor, Check & Control

Digital Bit Scrambler

Late Entry

Over-the-Air Alias (OAA)

Analog – FM

FM Conventional Operation

FleetSync: PTT ID, Stun/Revive,

Talk back, Selcall

MDC1200: PTT ID, Radio Inhibit/Uninhibit,

Radio check, Emergency

QT / DQT, DTMF, 2-tone

Built-in Programmable Voice Inversion

Scrambler (per channel)

Built-in Compressor (per channel)

Accessories

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

<p>KNB-29N 1,500mAh/7.2V Ni-MH Battery Pack</p> 	<p>KNB-84L 1,900mAh/7.4V IP-67 Li-Ion Battery Pack</p> 	<p>KVC-22 DC Vehicular Charger Adapter (For KSC-35SK Only)</p> 	<p>KRA-26/ 27 VHF Helical Antenna UHF Whip Antenna</p> 	<p>KMC-45D Speaker Microphone</p> 
<p>KNB-45L 2,000mAh/7.4V Li-Ion Battery Pack</p> 	<p>KSC-35SK Fast Charger For the KNB-45L/69L 84L (3-Hour)</p> 	<p>KMB-28A Six Unit Charger Adapter (For six KSC-35SK chargers)</p> 	<p>KRA-28 VHF Broadband Antenna (140-174Mhz)</p> 	<p>KBH-10 Belt Clip</p> 
<p>KNB-69L 2,550mAh/7.4V Li-Ion Battery Pack</p> 	<p>KSC-43K Dual Chemistry Fast Charger For the KNB 29N/45L/69L/84L</p> 	<p>KRA-22/23 VHF/UHF Low Profile Helical Antenna</p> 	<p>KRA-29P UHF Broadband Antenna (406-470MHz)</p> 	

Specifications

General	NX-1200	NX-1300
Frequency Range	138-174 MHz	4061-470 MHz
Type 1		
Type 2		
Max. Channels per Radio	260 (64 for basic model)	
Number of Zones	128 (4 for basic model)	
Max. Channels per Zone	250 (16 for basic model)	
Channel Spacing		
Analog	30 / 25 / 15 / 12.5 kHz	
Digital	12.5 / 6.25 kHz	
Power Supply	7.5 VDC ±20 %	
Battery Life	DMR	Analog/NXDN
KNB-29N (1500mAh)	Approx. 11 hours	Approx. 8 hours
KNB-45L (2000mAh)	Approx. 14.5 hours	Approx. 11 hours
KNB-69L (2550mAh)	Approx. 19 hours	Approx. 14 hours
KNB-84L (1900mAh)	Approx. 13.7 hours	Approx. 10.5 hours
Operating Temperature (Radio only)*1	-22°F to +140°F (-30°C to +60°C)	
Frequency Stability (-30 to +60°C, +25°C Ref.)	±0.5 ppm	
Antenna Impedance	50 Ω	
Dimensions	(W x H x D) Projections Not Included	
Radio with KNB-29N/45L/84L	2.13 x 4.84 x 1.32 in (54 x 123 x 33.5 mm)	
Radio with KNB-69L	2.13 x 4.84 x 1.48 in (54 x 123 x 37.5 mm)	
Weight	(Basic model)	(Standard and full keypad model)
Radio Only	5.64 oz (160 g)	6.17 oz (175 g)
Radio with KNB-29N/KNB-45L/84L	9.88 oz (280 g)	10.41 oz (295 g)
Radio with KNB-69L	10.41 oz (295 g)	10.93 oz (310 g)
IC Certification	282F-501000*2 / 282F-501001*3	282F-501100*2 / 282F-501102*3

*1 Operating temperature specification for a Li-ion battery is -10°C to +60°C [-14°F to +140°F].
*2 Productions before end of May 2021 have this ISED Certification number.
*3 Productions after end of May 2021 have this ISED Certification number.

Analog measurements made per TIA603. Specifications are measured according to applicable standards. Specifications are subject change without notice, due to advancements in technology.

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	5001/Procedure I	5002/Procedure I, II	5003/Procedure I, II	5004/Procedure I, II	5005/Procedure I, II
High Temperature	5011/Procedure I, II	5012/Procedure I, II	5013/Procedure I, II	5014/Procedure I, II	5015/Procedure I, II
Low Temperature	5023/Procedure I	5022/Procedure I, II	5023/Procedure I, II	5024/Procedure I, II	5025/Procedure I, II
Temperature Shock	5031/Procedure I	5032/Procedure I	5033/Procedure I	5034/Procedure I, II	5035/Procedure I
Solar Radiation	5053/Procedure I	5052/Procedure I	5053/Procedure I	5054/Procedure I	5055/Procedure I
Rain*	5063/Procedure I, II	5062/Procedure I, II	5063/Procedure I, II	5064/Procedure I, III	5065/Procedure I, III
Humidity	5071/Procedure I, II	5072/Procedure II, III	5073/Procedure II, III	5074	5075/Procedure II
Salt Fog	5091/Procedure I	5092/Procedure I	5093/Procedure I	5094	5095
Dust	5101/Procedure I	5102/Procedure I	5103/Procedure I	5104/Procedure I, III	5105/Procedure I
Vibration	5142/Procedure VIII, X	5143/Procedure I	5144/Procedure I	5145/Procedure I	5146/Procedure I
Shock	5162/Procedure I, II, V	5163/Procedure I, IV	5164/Procedure I, IV	5165/Procedure I, IV	5166/Procedure I, IV

International Protection Standard	IP-54/55 - NX-1200xKxK2/NX-1300xK4, xK5	To meet IP54/55, the 2-pin connector cover must be connected on the radio, or the locking bracket must be attached to the external speaker microphone.
Dust & Water Protection*	IP-54/55/67 - NX-1200xK3/NX-1300xK6	To meet MIL Standard and IP67 specification, the 2-pin connector must be fully sealed with supplied connector cover. IP67 is only applicable when radio is equipped with KNB-84L.

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