

## NX-1200A/1300A

### 5W VHF/UHF ANALOG PORTABLE RADIOS

NX-1200A/NX-1300A is efficient and functional 5W portable radios operate in analog FM. It is packed with features for intuitive operation and excellent performance. The model matrix includes basic and keypad variations, with or without a high-contrast backlit LCD. Other features include a 7-color LED indicator and KENWOOD 2-pin audio accessory connector. If you wish to transition to Digital capability, by purchasing a software option, DMR and Analog or NXDN and Analog mixed operation is available which gives you the freedom and flexibility to migrate at your own pace. All this comes in a tough, compact radio with great value and all weather reliability!

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



Standard Keypad & Basic Models

### Features

Choose from direct & intuitive LCD with 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

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

Front Panel Programming Mode (for Keypad model)

Electronic Serial Number (ESN)

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

IP54 and IP55

Multi-protocol digital radio: Designed to operate under NXDN or DMR digital and FM analog protocols (Optional License required)

### 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)

### Digital – NXDN® Mode (Optional License required)

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)

### Digital – DMR Mode (Optional License required)

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)

# Accessories

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

<b>KNB-45L</b> 2,000mAh/7.4V Li-Ion Battery Pack 	<b>KSC-43K</b> Dual Chemistry Fast Charger For the KNB 29N/45L/69L/82LCM 	<b>KRA-26/ 27</b> VHF Helical Antenna UHF Whip Antenna 	<b>KHS-26</b> Earbud In-line PTT Headset 	<b>KBH-10</b> Belt Clip 
<b>KNB-69L</b> 2,550mAh/7.4V Li-Ion Battery Pack 	<b>KVC-22</b> DC Vehicular Charger Adapter 	<b>KRA-41/42</b> VHF/UHF Stubby Antenna 	<b>KHS-27A</b> D-Ring In-line PTT Headset 	
<b>KSC-35SK</b> Fast Charger For the KNB-45L/69L 82LCM (3-Hour) 	<b>KRA-22/23</b> VHF/UHF Low Profile Helical Antenna 	<b>KMC-45D</b> Speaker Microphone 	<b>KHS-31C</b> C-Ring PTT Ear Hanger Headset 	

# Specifications

General	NX-1200A	NX-1300A
<b>Frequencies</b> Type 1 Type 2	136-174 MHz	450-520 MHz 400-470 MHz
<b>Max. Channels per Radio</b> <b>Number of Zones</b> <b>Max. Channels per Zone</b>	260 (64 for basic model) 128 (4 for basic model) 250 (16 for basic model)	
<b>Channel Spacing</b> Analog Digital	30" / 25" / 15 / 12.5 kHz 12.5 / 6.25 kHz	
<b>Power Supply</b>	7.5 VDC ±20 %	
<b>Battery Life</b> KNB-45L (2000mAh) KNB-69L (2550mAh)	DMR Approx. 14.5 hours (15 hours for Basic model) Approx. 19 hours (19.5 hours for Basic model)	Analog/NXDN Approx. 11 hours (11.5 hours for Basic model) Approx. 14 hours (14.5 hours for Basic model)
<b>Operating Temperature(Radio only)*</b>	-22°F to +140°F (-30°C to +60°C)	
<b>Frequency Stability (-30 to +60°C; +25°C Ref.)</b>	±0.5 ppm	
<b>Antenna Impedance</b>	50 Ω	
<b>Dimensions</b> Radio with KNB-45L/82LCM Radio with KNB-69L	(W x H x D) Projections Not Included 213 x 4.84 x 1.32 in (54 x 123 x 33.5 mm) 213 x 4.84 x 1.48 in (54 x 123 x 37.5 mm)	
<b>Weight</b> Radio Only Radio with KNB-45L/82LCM Radio with KNB-69L	(Basic model) (Standard keypad model) 5.64 oz (160 g) 6.17 oz (175 g) 9.88 oz (280 g) 10.41 oz (295 g) 10.41 oz (295 g) 10.93 oz (310 g)	
<b>FCC ID</b> Type 1 Type 2	K44501000 K44501101 K44501100	
<b>IC Certification</b>	282F-501000 282F-501100	

\*1 25 / 30 kHz in VHF/UHF Bands excluding T-Band are not included in the models sold in the USA or US territories.  
\*2 Operating temperature specification for a Li-ion battery is -10°C to +60°C [14°F to +140°F].

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	5021/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	5051/Procedure I	5052/Procedure I	5053/Procedure I	5054/Procedure I	5055/Procedure I
Rain*	5061/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	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 IP54/55, the 2-pin connector cover has to be connected on the radio or the locking bracket has to be attached to the external speaker microphone.

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