

## NX-3200/3300/3400

### MULTI-PROTOCOL DIGITAL & ANALOG PORTABLE RADIOS

This versatile handheld radio supports both NXDN® and DMR digital protocols as well as mixed digital & FM analog operation, enabling it to serve with distinction in a wide range of enterprise and operation-critical applications. Compact yet designed with durability in mind, it's packed with convenient features like Bluetooth® for hands-free operation and built-in GPS. Three different models with 14-pin Universal connector are available: Full Keypad model with LCD, Standard Keypad model with LCD and a large 4-way D-pad, and the Basic Model without LCD or keypad. Additionally, for expansion capability a software license certification system facilitates extensive customization.

### Features

- Multi-protocol digital radio: Designed to operate under NXDN® or DMR digital, and FM analog protocols
- NXDN Conventional and Type-C & Gen2 Trunking
- DMR Tier 2 Conventional & Site Roaming
- DMR Auto Slot Select
- DMR Tier 3 Trunking
- Mixed Digital & FM Analog Operation allows gradual migration at your own pace
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide) / 14 Characters
- 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
- 7-color Light Bar Indicator on the top panel. Individual color can be set for each channel
- 4-way Directional-pad (D-pad) for intuitive control and operation
- Built-In GPS Receiver/Antenna for effective fleet and incident management
- Built-in Bluetooth® for hands-free operation for IoT applications - Applicable Bluetooth profiles: HSP (Headset Profile) and SPP (Serial Port Profile)
- Renowned KENWOOD Audio Quality achieved with Active Noise Reduction (ANR) that utilizes built-in DSP
- Optional DES and AES Encryption
- Built-in Motion Sensor (Man-down, Stationary and Motion Detection)
- IP54/55/67 and MIL-STD-810 C/D/E/F/G
- 1 Watt Audio Output Power
- UHF: 120 MHz capability
- Available models: Full Keypad (w/ LCD and full keypad), Standard Keypad (w/ LCD and 4-way large D-pad/4 key), and Basic (w/o LCD and keypad)
- 512 CH/128 Zones (64 CH/4 Zones for Basic model)
- Maximum of 1,000 CH/Radio with option
- Intrinsically Safe Option
- Paging Call
- Emergency Call
- Status/Text Message
- Remote Stun/Kill/Check

NXDN® DMR Gen2 Bluetooth® GPS FleetSync®

DMR T3 S DMR Auto Slot Select



7-color Light Bar Indicator

Full Keypad Model Standard & Basic Models

14-pin Universal Connector offers reliable connectivity even in harsh environment with a wide-range of accessories.

### Digital – NXDN® Mode

NXDN Conventional	Remote Monitor
NXDN Type-C & Gen2 Trunking	All Group Call
6.25 & 12.5 kHz Channels	Over-the-Air Alias (OAA)
Advanced GPS	Over-the-Air Programming (OTAP)

### Digital – DMR Mode

Two-slot TDMA in 12.5 kHz channels	Call Interruption
DMR Tier 2 Conventional / Site Roaming	Dual-slot Direct Mode
DMR Auto Slot Select	Optional ARC4 Encryption
S-Trunking (Ver. UP) DMR Tier 3 Trunking	Energy Efficient

### Analog – FM Mode

Conventional & LTR Trunking	MDC-1200: PTT ID ANI / Caller ID
FleetSync/II: PTT ID ANI / Caller ID Display,	Display, Emergency, Radio Check /Inhibit
Selective Group Call, Emergency Status	QT / DQT, DTMF, 2-Tone
Text Messages	Built-in Voice Inversion Scrambler



#### Multi-Protocol

Unsurpassed interoperability for Enterprise radio users with the freedom to migrate at your own pace.



#### Gen2

Scalable server-based system architecture for management of NEXEDGE wide area digital communications systems.



#### Klarity

The ultimate level of sound clarity technology combining Optimization, advanced Sound Analysis and Active Noise Reduction.

# Accessories

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

## KNB-55L/57L/78L

Li-ion Battery Pack  
(7.4V/1480mAh,  
7.4V/2000mAh,  
7.4V/2860mAh)



## KNB-56N

Ni-MH Battery Pack  
(7.2 V/1400 mAh)



## KNB-79LCM

Li-ion Battery Pack  
(7.4 V/2860 mAh,  
Intrinsically Safe)



## KBP-5

Battery Case (6 AA)



## KSC-25LSK/25SK

Rapid Charger  
(Li-ion Only/Tri-Chem)



## KSC-256AK

Multiple Charger  
(6-pocket)



## KMB-30A

Mounting Bracket  
(for KSC-256AK)



## KVC-23

Vehicular Charger



## KRA-22/23

VHF/UHF Low Profile  
Helical Antenna



## KRA-25

High Gain  
Whip Antenna



## KRA-26/ 27

VHF Helical Antenna  
UHF Whip Antenna



## KRA-28

Broadband VHF  
Whip Antenna



## KRA-41/42

VHF/UHF Stubby Antenna



## KRA-24

800MHz Whip Antenna



## KRA-32K

700/800MHz Whip Antenna



## KRA-36

700/800MHz Stubby Antenna



## KRA-38K

800/900MHz  
Whip Antenna  
(including NX-3400/NX-3420)



## KRA-39

900MHz Stubby Antenna



## KEP-1

Earphone Kit for  
KMC-41D or  
KMC-54WD (2.5mm plug)



## KMC-41D

Speaker Microphone  
(IP54/55)



## KMC-42D

Speaker Microphone  
(IP55/67)



## KMC-54WD

Speaker Microphone  
(with dual-sided  
2-mic for superior  
ANR, IP67)



## KBH-11

Belt Clip (2.5")



## KAS-20

AVL & Dispatch Software

## KPG-180AP

OTAP Manager

## KLH-206

Leather Case

## KLH-207

Nylon Case

# Specifications

General	NX-3200	NX-3300	NX-3400
Frequency Range	136-174 MHz	400-520 MHz	TX/RX: 851-870, 935-941 MHz TX: 806-825, 896-902 MHz
Max. Channels Per Radio	Up to 1000 CH with option		
Number of Channels	512 (64 for no LCD models)		
Number of Zones	128 (4 for no LCD models)		
Channel Spacing	12.5/15/25*/30* kHz		
Analog	6.25 kHz/12.5 kHz		
Digital	6.25 kHz/12.5 kHz		
Power Supply	7.5V DC ± 20%		
Battery Life 5-5-90	(FDMA conventional / Trunking, TDMA Conventional / Trunking)		
KNB-55L (1,480 mAh)	8.5 / 6.5 hours, 12.5 / 9 hours		
KNB-56N (1,400 mAh)	7.5 / 6 hours, 11 / 8 hours		
KNB-57L (2,000 mAh)	12 / 9.5 hours, 17.5 / 13 hours		
KNB-78L (2,860 mAh)	17.5 / 13.5 hours, 25 / 18.5 hours		
KNB-79LCM (2,860 mAh)	15 / 11.5 hours, 21.5 / 16 hours		
Operating Temperature	-22°F to +140°F (-30°C to +60°C)		
Frequency Stability	±0.5 ppm (-30°C to +60°C; +25°C Ref.)		
Dimensions	(W x H x D) Projections Not Included		
Radio Only	2.20 x 4.71 x 1.43 in (56 x 119.6 x 36.4 mm)		
KNB-55L (1,480 mAh)	2.20 x 4.71 x 1.43 in (56 x 119.6 x 36.4 mm)		
KNB-56N (1,400 mAh)	2.20 x 4.71 x 1.68 in (56 x 119.6 x 42.7 mm)		
KNB-57L (2,000 mAh)	2.20 x 4.71 x 1.53 in (56 x 119.6 x 39 mm)		
KNB-78L, KNB-79LCM	2.20 x 4.71 x 1.77 in (56 x 119.6 x 44.9 mm)		
Weight Radio Only	7.8 oz (220 g)		
KNB-55L (1,480 mAh)	11.1 oz (315 g)		
KNB-56N (1,400 mAh)	14.5 oz (410 g)		
KNB-57L (2,000 mAh)	12.0 oz (340 g)		
KNB-78L, KNB-79LCM	13.6 oz (385 g) / 13.9 oz (395 g)		
FCC ID	K44479000	K44479100	K44502500
IC Certification	282F-479000	282F-479100	282F-502500

\*25 and 30 kHz in VHF/UHF Bands (except T-Band) are not included in the models sold in the USA or US territories.  
\*\*800MHz band only  
Analog measurements made per TIA603. Specifications are measured according to applicable standards.  
Battery Life is measured by Battery Save ON, GPS/Bluetooth OFF, 4 W for VHF/UHF and 3 W for 800/900MHz Bands  
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	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
High Temperature	5011/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	5021/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
Temperature Shock	5031/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
Solar Radiation	5051/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
Rain	5061/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III	506.5/Procedure I, III
Humidity	5071/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II
Salt Fog	5091/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust	5101/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, II, V	516.5/Procedure I, IV	516.6/Procedure I, IV

## International Protection Standard

Dust & Water Protection\* IP54/55/67

\* Audio accessory or cover must be installed.

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