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.

**PRODUCT HIGHLIGHTS**

- Multi-protocol digital radio: Designed to operate under an NXDN or DMR digital, and FM analog protocols
- NXDN Conventional and Type-C & Gen2 Trunking
- DMR Tier II & Site Roaming
- 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
- 4-way Directional-pad (D-pad) for intuitive control and operation
- Built-in GPS Receiver/Antenna for effective fleet management
- Built-in Bluetooth for hands-free operation – Applicable Bluetooth profiles: HSP (Headset Profile provided) and SPP (Serial Port Profile available as an option)
- Renowned KENWOOD Audio Quality can be achieved with Active Noise Reduction (ANR) that utilizes built-in DSP
- Optional DES and AES Encryption Software for NXDN Conventional/Trunking and DMR Conventional protocols
- Built-in Motion Sensor (Man-down, Stationary and Motion Detection)
- IP54/55/67 and MIL-STD-810 C/D/E/F/G
- 14-pin Universal Connector offers reliable connectivity even in harsh environment with a wide-range of accessories.

*The number of lines may vary depending on the display language (character set).

**GENERAL FEATURES**

- 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 (Available later)
- Paging Call
- Emergency Call
- Status/Text Message
- Remote Stun/Kill/Check

**DIGITAL - NXDN MODE**

- NXDN Type-C & Gen2 Trunked
- NXDN Conventional
- 6.25 & 12.5 kHz Channels
- All Group Call
- Over-the-Air Alias (OAA)
- Over-the-Air Programming (OTAP)

**DIGITAL - DMR MODE**

- S-Trunking
- DMR Tier III Trunking
- DMR Tier II Conventional
- DMR Auto Slot Select
- Site Roaming
- 12.5 kHz Two-slot TDMA channels
- Call Interruption
- Dual-slot Direct Mode
- Enhanced Encryption
- Energy Efficient

**ANALOG - FM MODE**

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

- KNB-55L/S7L/78L Li-ion BATTERY PACK (7.4 V/1480 mAh, 7.4 V/2000 mAh, 7.4 V/2600 mAh)
- KNB-56N Ni-MH BATTERY PACK (7.2 V/1100 mAh)
- KKB-5 BATTERY CASE (FleetSync® 6"
- KSC-25LS/25S RAPID CHARGER (Li-ion Only/Th-Chem)
- KSC-256A MULTIPLE CHARGER (6-pocket)
- KMB-30 MOUNTING BRACKET (for KSC-256A)

**FleetSync®** is a registered trademark of JVCKENWOOD Corporation. • All other trademarks are the property of their respective holders.

**Bluetooth** word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. • NXDN™ is a trademark of JVCKENWOOD Corporation and Icom Inc. • NEXEDGE® is a registered trademark of JVCKENWOOD Corporation.

*7 All interfaces must be fully sealed with appropriate covers or by designated genuine accessories.

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**SPECSIFICATIONS**

### GENERAL

- **Frequency Range**: 136-174 MHz / 400-520 MHz
- **Max. Channels per Radio**: Up to 1000 channels with option
- **Number of Channels**: 512 (84 for no LCD models)
- **Number of Zones**: 128 (4 for no LCD models)
- **Channel Spacing**: Analog 12.5 / 15 / 20 / 25 / 30 kHz
- **Power Supply**: 7.5 V DC ± 20%
- **Battery Life**: 14°F to +140°F (-10°C to +60°C)
- **Weight (net)**
  - KNB-55L (1480 mAh): 7.5 oz (213 g)
  - KNB-56N (1000 mAh): 6.5 oz (184 g)
  - KNB-57L (2600 mAh): 7.5 oz (213 g)
- **Dimensions**: (W x H x D)
  - KNB-55L: 11.0 oz (312 g)
  - KNB-56N: 14.0 oz (410 g)
  - KNB-57L: 12.0 oz (340 g)

### RECEPTOR

- **Receiver**: NX-3200 / NX-3300
- **Operating Temperature**: -22°F to +140°F (-30°C to +60°C)
- **Frequency Stability**: ±0.05 ppm
- **Dimensions**: (W x H x D)
- **Weight (net)**
- **FCC ID**: K4479000K4479100
- **IC Certification**: 2828-479900K2828-479100

### TRANSMITTER

- **Transmitter**: NX-3200 / NX-3300
- **RF Power Output**: 5 W / 4 W / 1 W
- **Audio Distortion**: 3 %
- **Spurious Emission**: -20 dB
- **Audio Output**: 3 % Distortion
- **Emission Designator**: 16KOF3E7K1KOF3E8K3OF1D8K3OF7W7K0OFXED7KOFX7E5KOF9F1DEKKOF9F1D8KOF9F7W7KOF9F7W8KOF9F7W4KOF9F2D

**SPECIFICATIONS**

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