FEATURE HIGHLIGHTS

- Multi-Digital operation in NXDN, DMR, and P25 (Phase 1 & 2) protocols
- Any combination of two digital protocols can be selected from NXDN, DMR, and P25
- Mixed Digital & FM Analog Operation allows intelligent migration in mixed sites and easy migration with digital radios in other sites
- Large, Color 1.74" (240 x 180 pixels) Transflective TFT Display for better interface even in direct sunlight and with use of polarized sunglasses
- Easy to follow GUI for at-a-glance operational status checking and Multi-line Text to convey more information
- 4-way Directional-pad (D-pad) and 2-Position Lever Switch for intuitive control and operation
- Built-In GPS Receiver/Antenna for effective fleet management
- Bluetooth® Module built-in for hands-free operation
- Renowned KENWOOD Audio Quality can be achieved with Active Noise Reduction (ANR) that utilizes built-in DSP with two microphones for suppression of ambient noise
- Built-in 56-bit DES Encryption
- Optional 256-bit AES Encryption
- Over-the-Air Programming (OTAP)
- Built-in Motion Sensor for life-critical man down detection
- microSD/SDHC (up to 2GB/32GB) Memory Card Slot
- IP67/68 and MIL-STD-810 C/D/E/F/G

DIGITAL – DMR MODE

- S-Trunking
- DMR Tier III Trunking
- DMR Tier II Conventional
- DMR Auto Slot Select
- Enhanced Encryption (40-bit)
- Site Roaming
- Two-slot TDMA in 12.5kHz channels
- Call Interruption
- Dual-slot Direct Mode
- Energy Efficient

DIGITAL – P25 MODE

- P25 Phase 1 Conventional/Trunked Operation
- P25 Phase 2 Trunked Operation
- Talk Group ID Lists
- Individual ID Lists
- Caller ID Display
- Remote Monitor/Remote Check
- Radio Inhibit
- Encryption Key Zeroize & Retention
- P25 Enhanced Encryption (ARC4)
- Over-the-Air Re-keying

FM MODES – GENERAL

- Conventional & LTR Zones
- NPSPAC (USA only) Channels (+4.0 Modulation)
- 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 & Two-Tone
- Built-in Voice Inversion Scrambler

INTELLIGENT BATTERY SYSTEM

- System consists of a Li-ion or Ni-MH rechargeable battery (KNB-L1/L2/L3/N4), Rapid Charger (KSC-Y32), and Battery Reader (KAS-12/12PRO) software
- Up to 60 Rapid Chargers can be chain-connected to a PC
- KAS-12 Battery Reader software can display and manage information
- Up to 5,000 batteries can be managed at a time with the addition of optional KAS-12PRO license upgrade

GENERAL FEATURES

- 6 W (136-174 MHz) Models
- 5 W (380-470, 450-520 MHz) Models
- 3 W (700/800 MHz) Models
- Full Key Models (w/ numeric keypad) and Standard Key Models (w/o numeric keypad)
- Maximum of 4,000 CH/Radio capacity, 512 CH/Zone, 128 Zones
- AMBE+2™ Enhanced Vocoder
- 1 W Loud Speaker Audio

DIGITAL – NXDN MODE

- Gen2 & NXDN Type-C Trunked Operation
- NXDN Conventional Operation
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- Short & Long Data Messages
- NXDN Digital Scrambler
### Optional Accessories

- **KNB-L1/L2/L3**
  - Li-ion Battery Pack (IP67/Submersion, 120 hours in water for KNB-L1/L2/L3)
- **KNB-N4**
  - Ni-MH Battery Pack (IP67/Submersion, 120 hours in water for KNB-N4)
- **KBP-8**
  - Battery Case (12A/Aniline Battery)

All optional accessories are available for purchase. Contact your authorized KENWOOD dealer for details and complete list of all accessories and options.

### Specfications

#### General

<table>
<thead>
<tr>
<th>Model</th>
<th>NX-5200</th>
<th>NX-5300</th>
<th>NX-5400</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency Range</strong></td>
<td>136-174 MHz</td>
<td>Type 1: 450-520 MHz, 512-650 MHz</td>
<td>Type 2: 450-512 MHz</td>
</tr>
<tr>
<td><strong>Max. Channels Per Radio</strong></td>
<td>1024 (500-2000 channels with options)</td>
<td>1024 (500-2000 channels with options)</td>
<td>1024 (500-2000 channels with options)</td>
</tr>
<tr>
<td><strong>Number of Channels</strong></td>
<td>256</td>
<td>128</td>
<td>128</td>
</tr>
<tr>
<td><strong>Channel Spacing</strong></td>
<td>Analog: 12.5 / 25 / 50 / 100 kHz</td>
<td>12.5 / 25 / 50 / 100 kHz</td>
<td>12.5 / 25 / 50 / 100 kHz</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>7.5 V DC</td>
<td>±5 %</td>
<td>±5 %</td>
</tr>
<tr>
<td><strong>Battery Life</strong> (12-14 hours)</td>
<td>72 hours</td>
<td>72 hours</td>
<td>72 hours</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-22 °F to +140 °F (−30 °C to +60 °C)</td>
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<td>-22 °F to +140 °F (−30 °C to +60 °C)</td>
</tr>
<tr>
<td><strong>Frequency Stability (3/5°C to 90% RH ±0.1 C)</strong></td>
<td>±0.5 ppm</td>
<td>±0.5 ppm</td>
<td>±0.5 ppm</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>9.3 x 3.6 x 2.4 in (236 x 91 x 60 mm)</td>
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<td>9.3 x 3.6 x 2.4 in (236 x 91 x 60 mm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>15 oz (426 g)</td>
<td>15 oz (426 g)</td>
<td>15 oz (426 g)</td>
</tr>
</tbody>
</table>

#### Receiver

<table>
<thead>
<tr>
<th>Model</th>
<th>NX-5200</th>
<th>NX-5300</th>
<th>NX-5400</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RX: 763-776, 851-870 MHz</strong></td>
<td>763-776, 851-870 MHz</td>
<td>763-776, 851-870 MHz</td>
<td>763-776, 851-870 MHz</td>
</tr>
</tbody>
</table>

#### Performance

- **Audio Output Power**
  - 16W (500 mW per channel, 1 channel active)
- **Audio Distortion**
  - 2 %
- **Audio Noise**
  - 30 dB
- **Audio Distortion**
  - 2 %
- **Audio Noise**
  - 30 dB

#### Environmental Conditions

- **Operating Temperature**
  - -22°F to +140°F (−30°C to +60°C)
- **Operating Humidity**
  - 10 to 90% RH
- **Operating Altitude**
  - 0 to 18000 ft.

### Applicable MIL-STD & IP

- **MIL Standards**
  - 610C Methodology
  - Low Pressure: 500 PSI
  - High Temperature: 500 °F
  - Low Temperature: 500 °F
  - Temp. Shock: 500 PSI
  - Temp. Storage: 500 °F
  - Vibration: 514.2, 914.2, 514.1
  - Shock: 516.5, 516.3, 516.1
  - Humidity: 510.1, 510.2, 510.3
- **Environmental Protection Standards**
  - Dust & Water: IP54, IP55
  - Immersion: IP67, IP68

### Key Features

- Bluetooth®
- NFC™
- Wi-Fi®
- USB®
- Ethernet

### Specifications

- **Frequency Range**
  - 400-470 MHz
- **Power Output**
  - 5 W
- **Audio Output Power**
  - 16W
- **Audio Distortion**
  - 2 %
- **Audio Noise**
  - 30 dB
- **Temperature Range**
  - -22 °F to +140 °F (−30 °C to +60°C)
- **Humidity Range**
  - 10 to 90% RH
- **Operational Altitude**
  - 0 to 18000 ft.
- **Weight**
  - 15 oz (426 g)
- **Dimensions**
  - 9.3 x 3.6 x 2.4 in (236 x 91 x 60 mm)
- **Battery Life**
  - 12 hours
- **Operating Temperature**
  - -22°F to +140°F (−30°C to +60°C)
- **Operating Humidity**
  - 10 to 90% RH
- **Operating Altitude**
  - 0 to 18000 ft.

### Additionally

- **Bluetooth®**
  - Device and Short-range wireless technology
- **NFC™**
  - Radio frequency identification
- **Wi-Fi®**
  - Wireless networking technology
- **USB®**
  - Universal Serial Bus
- **Ethernet**
  - Broadband internet connection

### Contact Information

Contact your authorized KENWOOD dealer for details and complete list of all accessories and options.

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