### GENERAL FEATURES
- 30W / 50W (136-174 MHz) Models
- 30W / 45W (400-470, 450-520 MHz) Models
- 512 CH-GID / 128 Zones
- Dash & Remote Mount
- Dual Control Head Remote Mount
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio
- DB-25 Accessory Connector
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- GPS Receiver Option
- VGS-1 Voice Guide / Voice & GPS Data Storage Option

### DIGITAL – COMMON
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill

### DIGITAL – COMMON (Cont)
- Remote Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included
- DES Encryption Module Option
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

### DIGITAL CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

### DIGITAL TRUNKING MODE
- Individual Private Call
- Group Call & Broadcast Call
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID’s
- Remote Group Add
- Failsoft Mode

### MULTI-SITE IP NETWORKS COMPATIBLE
- Individual Private Call
- Group Call & Broadcast Call
- Transmission Trunked Mode

### MULTI-SYSTEM COMPATIBLE
- 8 Trunked Networks
- UID Lists for each network

### SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

### ANALOG MODE - GENERAL
- 25 & 12.5 kHz Channels
- Conventional & LTR® or MPT Zones
- FleetSync®II, MDC-1200, DTMF
- QT / DQT & Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler (16 Codes)

### MPT ZONES*
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

### FleetSync® II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

### MDC-1200
- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

* Optional feature

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[Image of NX-700(H) / 800(H) Kenwood Radio with features listed]
## Options

- **KMC-35**  
  Microphone
- **KMC-36**  
  Microphone with Keypad
- **KMC-9C**  
  Control Station Desktop Microphone
- **KES-5**  
  External Speaker
- **VGS-1**  
  Voice Guide & Storage Unit
- **KAP-2**  
  Horn Alert / PA Relay Unit
- **KCT-46**  
  Ignition Sense Cable
- **KRK-10**  
  Panel Remote Kit
- **KRK-13**  
  Dual Control Head Remote Kit
- **KCT-23M**  
  DC Cable (10 feet)
- **KCT-23M3**  
  DC Cable (23 feet)
- **KMB-10**  
  Key Lock Adapter
- **KPS-15**  
  DC Power Supply
- **KLF-2**  
  Line Noise Filter

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

## Main Specifications

### GENERAL

<table>
<thead>
<tr>
<th></th>
<th>NX-7000(1) K</th>
<th>NX-8000(1) K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>136-174 MHz</td>
<td>450-520 MHz, 400-470 MHz</td>
</tr>
<tr>
<td>Number of Channels</td>
<td>512</td>
<td>128</td>
</tr>
<tr>
<td>Zones</td>
<td>128</td>
<td>250</td>
</tr>
<tr>
<td>Max. Channels per Zone</td>
<td>250</td>
<td>128</td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>Analog: 12.5 / 15 / 25 / 30 kHz, Digital: 6.25 / 12.5 kHz</td>
<td>Analog: 6.25 / 12.5 kHz, Digital: 6.25 / 12.5 kHz</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>13.6 V DC ± 15%</td>
<td>12.5 / 25 kHz</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-22 °F to +140 °F (-30 °C to +60 °C)</td>
<td>± 1.0 ppm</td>
</tr>
<tr>
<td>Frequency Stability</td>
<td>0.25 µV</td>
<td>0.28 µV</td>
</tr>
<tr>
<td>Weight (net)</td>
<td>3.04 lb (1.38 kg)</td>
<td>3.04 lb (1.38 kg)</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>Not included</td>
<td>6.30 x 1.77 x 6.18 in (160 x 45 x 157 mm)</td>
</tr>
</tbody>
</table>

### RECEIVER

<table>
<thead>
<tr>
<th></th>
<th>NX-7000(1) K</th>
<th>NX-8000(1) K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity</td>
<td>Digital @ 6.25 kHz (3% BER) 0.20 µV</td>
<td>Digital @ 12.5 kHz (3% BER) Analog (12 dB SINAD) 0.28 µV</td>
</tr>
<tr>
<td>Selectivity</td>
<td>Analog @ 25 kHz 80 dB</td>
<td>Analog @ 12.5 kHz 85 dB</td>
</tr>
<tr>
<td>Intermodulation</td>
<td>Analog 75 dB (±50,100 kHz)</td>
<td>Analog 90 dB</td>
</tr>
<tr>
<td>Audio Distortion</td>
<td>Less than 3%</td>
<td>Less than 3%</td>
</tr>
<tr>
<td>Audio Output</td>
<td>Digital 4 W / 4 Ω</td>
<td>Digital 4 W / 4 Ω</td>
</tr>
<tr>
<td>RF Power Output</td>
<td>Mid Power 30 W to 1 W</td>
<td>High Power 50 W to 10 W</td>
</tr>
<tr>
<td>FM Hum &amp; Noise</td>
<td>Analog @ 25 kHz 50 dB</td>
<td>Analog @ 12.5 kHz 45 dB</td>
</tr>
<tr>
<td>Audio Distortion</td>
<td>Less than 3%</td>
<td>Less than 3%</td>
</tr>
<tr>
<td>Modulation</td>
<td>16K0F3E, 14K4F1D, 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D</td>
<td></td>
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</table>

### TRANSMITTER

<table>
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### SPECIFICATIONS

- **Digital** @ 25 kHz 3% BER
- **Analog @ 12.5 kHz**
- **Digital @ 12.5 kHz (3% BER)** Analog (12 dB SINAD)
- **Analog @ 6.25 kHz**

### NOTES

- All accessories and options may not be available in all markets. Contact an authorized Kenwood dealer for details and complete list of all accessories and options.
- **Digital** @ 25 kHz 3% BER
- **Analog @ 12.5 kHz**
- **Digital @ 12.5 kHz (3% BER)** Analog (12 dB SINAD)
- **Analog @ 6.25 kHz**

### MIL Standard

<table>
<thead>
<tr>
<th>MIL Standard</th>
<th>MIL 810C Methods/Procedures</th>
<th>MIL 810D Methods/Procedures</th>
<th>MIL 810E Methods/Procedures</th>
<th>MIL 810F Methods/Procedures</th>
<th>MIL 810G Methods/Procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Pressure</td>
<td>501.1, Procedure I, II</td>
<td>502.1, Procedure I, II</td>
<td>503.1, Procedure I, II</td>
<td>504.1, Procedure I, II</td>
<td>505.1, Procedure I, II</td>
</tr>
<tr>
<td>Low Temperature</td>
<td>502.1, Procedure I, II</td>
<td>503.1, Procedure I, II</td>
<td>504.1, Procedure I, II</td>
<td>505.1, Procedure I, II</td>
<td>506.1, Procedure I, II</td>
</tr>
<tr>
<td>Temperature Shock</td>
<td>503.1, Procedure I, II</td>
<td>504.1, Procedure I, II</td>
<td>505.1, Procedure I, II</td>
<td>506.1, Procedure I, II</td>
<td>507.1, Procedure I, II</td>
</tr>
<tr>
<td>Solar Radiation</td>
<td>504.1, Procedure I, II</td>
<td>505.1, Procedure I, II</td>
<td>506.1, Procedure I, II</td>
<td>507.1, Procedure I, II</td>
<td>508.1, Procedure I, II</td>
</tr>
<tr>
<td>Humidity</td>
<td>505.1, Procedure I, II</td>
<td>506.1, Procedure I, II</td>
<td>507.1, Procedure I, II</td>
<td>508.1, Procedure I, II</td>
<td>509.1, Procedure I, II</td>
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<tr>
<td>Salt Fog</td>
<td>509.1, Procedure I, II</td>
<td>510.1, Procedure I, II</td>
<td>511.1, Procedure I, II</td>
<td>512.1, Procedure I, II</td>
<td>513.1, Procedure I, II</td>
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<tr>
<td>Dust</td>
<td>510.1, Procedure I, II</td>
<td>511.1, Procedure I, II</td>
<td>512.1, Procedure I, II</td>
<td>513.1, Procedure I, II</td>
<td>514.1, Procedure I, II</td>
</tr>
</tbody>
</table>

### International Protection Standard

| Dust & Water Protection | IP54: Radio itself | IP540: Remote head |

**Footnotes from front:**

1. Requires compatible PC software application or console.
2. These trunked features are primarily system programming and operational dependent. Priorit Monitor also requires NX subscriber settings.
3. Up to 8 different trunked networks can be configured per radio (each in a zone)