

● GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-470 MHz) Models
- 260 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (Non Display Version)
- 12-Key Keypad Models
- 8 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function/Status LCD Icons
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 4 Front PF Keys
- 3 Side PF Keys
- Emergency/AUX Key
- Built-in Motion Sensor
- 500 mW Speaker Audio
- Zone/CH# Voice Announcement
- KMC-48GPS Speaker Mic Option
- KPG-141D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input¹
- Transparent Data Mode¹

● DIGITAL – GENERAL

- 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^{1,2}
- Remote Stun/Kill¹
- Remote Check¹
- Short & Long Data Messages¹
- GPS Location with Voice¹
- NXDN® Scrambler Included

● DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call³
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

● DIGITAL – TRUNKING MODE

- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode⁴
- Message Trunked Mode⁴
- Call Queuing with Priority⁴
- Late Entry (UID & GID)⁴
- 4 Priority Monitor ID's⁴
- Remote Group Add¹
- Failsoft Mode

● MULTI-SITE IP NETWORKS COMPATIBLE

- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

● SCAN

- Single Zone / Multi-Zone / List Scan
- Single Priority Scan (Conventional)

● ANALOG MODES – GENERAL

- 12.5 & 25* kHz Channels
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF³
- QT/DQT/Two-Tone (Conventional Zones Only)³
- Voice Inversion Scrambler (16 Codes)

● FleetSync®/II

- PTT ID ANI / Caller ID³
- Selective / Group Call³
- Emergency, Status & Text Messages¹

● MDC-1200

- PTT ID ANI / Caller ID³
- Emergency, Radio Check & Inhibit



Three Models Available:
 Basic Unit: No LCD, No Front Keys
 8-Character LCD, 4 PF Keys
 8-Character LCD, 4 PF Keys, 12-Key DTMF Keypad
 (Not Actual Size)

Options

| | | | |
|---|---|--|---|
| <ul style="list-style-type: none"> KNB-55L Li-ion Battery Pack (1,480mAh) KNB-56N Ni-MH Battery Pack (1,400mAh) KNB-57L Li-ion Battery Pack (2,000mAh)  | <ul style="list-style-type: none"> KRA-22 VHF Low Profile Helical Antenna KRA-23 UHF Low Profile Helical Antenna KRA-26 VHF Helical Antenna KRA-27 UHF Whip Antenna     | <ul style="list-style-type: none"> KMC-48GPS GPS Speaker Microphone KEP-2 Earphone Kit for KMC-45 (2.5mm plug) KHS-22 Head Set KVC-3 Regular Rate Vehicular Charger Adapter (for KSC-30) KVC-4 Rapid Rate Vehicular Charger Adapter (for KSC-25)     | <ul style="list-style-type: none"> KHS-7A Lightweight Single Muff Headset KHS-8BL 2-wire Palm Mic with Earphone (Black) KHS-9BL 3-wire Lapel Mic with Earphone (Black) KLH-179 Leather Case KLH-180 Nylon Case KBH-12 Belt Clip       |
| <ul style="list-style-type: none"> KBP-5 Battery Case KSC-25 Rapid Charger KSC-30 Regular Charger for KNB-56N KSC-256 Six Unit Gang Charger   | | | |

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

| | | NX-220 | NX-320 |
|--|-------------------|--|---------------|
| GENERAL | | | |
| Frequency Range | Type 1 Type 2 | 136-174 MHz | |
| Number of Channels | w/LCD Model | 260 | |
| | w/o LCD Model | 64 | |
| Zones | w/LCD Model | 128 | |
| | w/o LCD Model | 4 | |
| Max. Channels per Zone | w/LCD Model | 250 | |
| | w/o LCD Model | 16 | |
| Channel Spacing | Analog Digital | 12.5 / 15 / 25 / 30 kHz | 12.5 / 25 kHz |
| Operating Voltage | | 7.5V DC ± 20% | |
| Battery Life 5-5-90 | KNB-55L (1480) | Approx. 8.5 hours | |
| | KNB-56N (1400) | Approx. 8.5 hours | |
| | KNB-57L (2000) | Approx. 11.5 hours | |
| | | Approx. 11.5 hours | |
| Operating Temperature Range* | | -22° F to +140° F (-30° C to +60° C) | |
| Frequency Stability | | ± 2.0 ppm ± 1.0 ppm | |
| Antenna Impedance | | 50 Ω | |
| Dimensions (W x H x D) Projections not included | with KNB-55L | 2.20 x 4.35 x 1.48 in (56 x 110.5 x 37.5 mm) | |
| | with KNB-56N | 2.20 x 4.35 x 1.70 in (56 x 110.5 x 43.2 mm) | |
| | with KNB-57L | 2.20 x 4.35 x 1.55 in (56 x 110.5 x 39.5 mm) | |
| Weight (net) | with KNB-55L | 10.76 oz (305 g) | |
| | with KNB-56N | 14.29 oz (405 g) | |
| | with KNB-57L | 11.64 oz (330 g) | |
| IC Certification | Type 1 | 282D-430900 | |
| | Type 2 | 282D-431001 | |

| | | NX-220 | NX-320 |
|----------------------------|-----------------------------|---|--------|
| RECEIVER | | | |
| Sensitivity | Digital @ 6.25 kHz (3% BER) | 0.20 μV | |
| | Digital @ 12.5 kHz (3% BER) | 0.25 μV | |
| | Analog (12 dB SINAD) | 0.25 μV | |
| Selectivity | Analog @ 25 kHz | 72 dB | |
| | Analog @ 12.5 kHz | 65 dB | |
| Intermodulation Distortion | Analog | 70 dB | |
| Spurious Response | Analog | 70 dB | |
| Audio Distortion | | Less than 3% | |
| Audio Output | | 500 mW / 8 Ω | |
| TRANSMITTER | | | |
| RF Power Output | | 5 W / 1 W | |
| Spurious Response | | 70 dB | |
| FM Hum & Noise | Analog @ 25 kHz | 45 dB | |
| | Analog @ 12.5 kHz | 40 dB | |
| Audio Distortion | | Less than 3% | |
| Modulation | | 16K0F3E, * 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D | |

Analog measurements made per TIA/EIA 603 and specifications shown are typical. Specifications are subject to change without notice, due to advancements in technology.

* Operating temp. range of the KNB-55L/57L : -10°C to +60°C

Footnotes from front:
¹ Requires compatible PC software application or console.
² Non Display Model- Pre-programmed key operation.
³ S Version- LCD dependent and some key-based functions not available.
⁴ These trunked features are primarily system programming and operational dependent. Priority Monitor also requires NX subscriber settings.

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 NEXEDGE® is a registered trademark of JVC KENWOOD Corporation.

Applicable 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 | 500.1/Procedure I | 500.2/Procedure I, II | 500.3/Procedure I, II | 500.4/Procedure I, II | 500.5/Procedure I, II |
| High Temperature | 501.1/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 | 502.1/Procedure I | 502.2/Procedure I, II | 502.3/Procedure I, II | 502.4/Procedure I, II | 502.5/Procedure I, II |
| Temperature Shock | 503.1/Procedure I | 503.2/Procedure I | 503.3/Procedure I | 503.4/Procedure I, II | 503.5/Procedure I |
| Solar Radiation | 505.1/Procedure I | 505.2/Procedure I | 505.3/Procedure I | 505.4/Procedure I | 505.5/Procedure I |
| Rain | 506.1/Procedure I, II | 506.2/Procedure I, II | 506.3/Procedure I, II | 506.4/Procedure I, III | 506.5/Procedure I, III |
| Humidity | 507.1/Procedure I, II | 507.2/Procedure II, III | 507.3/Procedure II, III | 507.4 | 507.5/Procedure II |
| Salt Fog | 509.1/Procedure I | 509.2/Procedure I | 509.3/Procedure I | 509.4 | 509.5 |
| Dust | 510.1/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, IV | 516.5/Procedure I, IV | 516.6/Procedure I, IV |
| International Protection Standard | | | | | |
| Dust & Water Protection | IP54/55 | | | | |

*To meet MIL810 and IP grade, the 2-pin connector has to be connected.

KENWOOD

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