



● GENERAL FEATURES

- 5 W (136-174 MHz) VHF
- 5 W (450-520 MHz) UHF
- Max. 16 CH per Zone
- 2 Conventional Zones
- Transmit / Busy / Call Alert / Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- On/Off Volume Knob
- 2 PF Keys
- 1.0 W Speaker Audio (Internal Speaker)
- 16-Position Mechanical Selector
- Zone / CH# Voice Announcement
- KMC-48GPS Speaker Mic Option
- VOX Ready
- Emergency Call Features
- Lone Worker Alert (per CH)
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- KPG-170D Windows® FPU
- Wireless Cloning
- Password Protected
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

● DIGITAL – GENERAL

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 kHz Channels
- Over-the-Air Alias (TX Only)
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- GPS Location with Voice
- NXDN® Scrambler Included

● DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Site Roaming*

● SCAN

- Single Zone Scan
- Single Priority Scan

● ANALOG MODES – GENERAL

- 12.5 kHz Channels
- Conventional Zones
- FleetSync®, MDC-1200, DTMF
- QT/DQT/Two-Tone
- Voice Inversion Scrambler (16 Codes)

● FleetSync®

- PTT ID ANI
- Selective / Group Call
- Paging Call
- Emergency Status
- Send GPS Data

● MDC-1200

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

ACCESSORIES INCLUDED

- KNB-45L Li-ion Battery
- KSC-355K 3-Hour Fast Charger
- KBH-10 Spring Action Belt Clip
- KRA-26/27 Removeable Antenna

*Future availability

Options

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>■ KNB-45L 2,000mAh/7.4V Li-Ion Battery Pack</p>  | <p>■ KRA-26 VHF Helical Antenna</p>  | <p>■ KMC-45 Speaker Microphone</p>  | <p>■ KHS-31 C-Ring PTT Ear Hanger Headset</p>  |
| <p>■ KSC-35SK Fast Charger For the KNB-45L/69L (3-Hour)</p>  | <p>■ KRA-27 UHF Whip Antenna</p>  | <p>■ KHS-26 Earbud In-line PTT Headset</p>  | <p>■ KMB-28 Six Unit Charger Adapter (for six KSC-35SK chargers) (chargers not included)</p>  |
| <p>■ KVC-22 DC Vehicular Charger Adapter</p>  | <p>■ KMC-48GPS GPS Speaker Microphone</p>  | <p>■ KHS-27 D-Ring In-line PTT Headset</p>  | <p>■ KBH-10 Belt Clip</p>  |
| | | | <p>■ KLH-187 Nylon Case</p>  |

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-240V | NX-340U |
|---------------------------------------------------------------------------------------|-------------------------------------------|----------------|
| GENERAL | | |
| Frequency Range | 136-174 MHz | 450-520 MHz |
| Number of Channels | 32 | |
| Zones | 2 | |
| Max. Channels per Zone | 16 | |
| Channel Spacing | 12.5 kHz | |
| | 6.25 kHz | |
| Operating Voltage | 7.5V DC ± 20% | |
| Battery Life (5-5-90 during hi-power battery saver: OFF/ON with KNB-45L (2000mAh)) | Approx. 12/18 hours | |
| Operating Temperature Range* | -22° F ~ +140° F (-30° C ~ +60° C) | |
| Frequency Stability | ± 2.0 ppm | ± 1.0 ppm |
| Antenna Impedance | 50 Ω | |
| Dimensions (W x H x D) with KNB-45L Projections Not Included | 2.13 x 4.8 x 1.39 in (54 x 122 x 35.3 mm) | |
| Weight (net) Radio Only with KNB-45L | 5.8 oz (165 g) | 9.9 oz (281 g) |
| FCC ID | ALH443700 | ALH443800 |

*-14°F ~ +140°F (-10°C ~ +60°C) When KNB-29N/45L/69L is in use.

| | NX-240V | NX-340U |
|----------------------------|---------------------------------------------------------------|-----------|
| RECEIVER | | |
| Sensitivity | Digital @ 6.25 kHz (3% BER) | 0.25 µV |
| | Analog (12 dB SINAD) | 0.25 µV |
| Selectivity | Analog @ 12.5 kHz | 60 dB |
| Intermodulation Distortion | Analog | 60 dB |
| Spurious Response | Analog | 70 dB |
| Audio Distortion | Less than 10% | |
| Audio Output | 1 W / 12 Ω (Internal Output) 500mW / 8 Ω (External Output) | |
| TRANSMITTER | | |
| RF Power Output | High / Low | 5 W / 1 W |
| Spurious Response | 70 dB | |
| FM Hum & Noise | Analog | 40 dB |
| Audio Distortion | Less than 10% | |
| Modulation | 11K0F3E, 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.

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Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.
AMBE+2™ is a trademark of Digital Voice Systems Inc.
NXDN® is a registered trademark of JVCKENWOOD Corporation and Icom Inc.
NEXEDGE® is a registered trademark of JVCKENWOOD 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.

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