



NEXEDGE® VHF/UHF Digital & FM Portable Radios

NX-200G / 300G

Despite their compact lightweight design, these handheld radios are fully equipped for both digital and analog operating modes. The clear backlit display and ergonomic layout of the controls enhance operating ease, while the rugged MIL-STD construction ensures all-weather reliability.

Features

- CSA, Class I; Division 1: Groups A, B
- 5 W (136-174 MHz) Models
- 5 W (400-470, 450-520 MHz) Models
- 512 CH-GID / 128 Zones
- 12-Key Keypad Models
- 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 Volume Knob
- 16-Position Mechanical Selector

- 6 Front Programmable and Menu Keys
 - 2 Side Programmable Keys
 - 500 mW Speaker Audio
 - Emergency Call Features
 - MIL-STD-810 C/D/E/F/G
 - IP54/55 Water/Dust Intrusion
 - VGS-1 Voice Guide/ Voice & GPS Data Storage Option
 - P25 Upgradeable
 - MPT Options
 - Intrinsically Safe Option
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General Features

MODELS

- Model Type 1: 1 to 5 W (136–174 MHz)
- Model Type 2: 1 to 5 W (400–470 MHz)
- RF Power Output: 5 W/1 W, IS (2 W/1 W)
- Channel/Zone Capability: 512 CH / 128 Zones
- 12-Key Keypad Model: Optional

KEYS & SWITCHES

- Front Keys: 6 PF and Menu Keys
- Side Keys: 2 PF Keys
- Emergency/AUX Key: Yes
- On/Off Volume Knob: Yes

GENERAL FEATURES & PROGRAMMING

- Function/Status LCD Icons: Yes
- Alphanumeric Aliases: 14 Character
- LCD Battery Status Indicator: Yes
- Low Battery Alert: Yes
- Battery Saver (NA in Scan or Trunking): Yes
- Date, 12/24 Hour Clock: Yes
- CSA Approved: Yes
- Intrinsically Safe Option: Yes
- CSA, A and B, I.S. Certified: Yes
- Dimensions (W x H x D) – Radio Only: 2.28 x 5.02 x 1.63 in
- Weight (net) – Radio Only: 8.82 oz
- KENWOOD LTR Features: Yes
- 800 MHz: –

EMERGENCY & SAFETY FEATURES

- MIL-STD: MIL-STD-810 C/D/E/F/G
 - IP-54/55 Water and Dust Intrusion: Yes
 - Immersion Option: -
- DIGITAL
- NXDN: Yes
 - P25: Optional
- FleetSync®/II (FM) - FleetSync Capable: Yes

| | | NX-200 | |
|-----------------------------|----------|--------------------------------------|---------------|
| GENERAL | | | |
| Frequency Range | Type 1 | 136-174 MHz | 450-512 MHz |
| | Type 2 | - | 400-470 MHz |
| Number of Channels | | 512 | 512 |
| Zones | | 128 | 128 |
| Max. Channels per Zone | | 250 | 250 |
| Channel Spacing | Analog | 12.5 / 15 / 25 / 30 kHz | 12.5 / 15 kHz |
| | Digital | 6.25 / 12.5 kHz | |
| Operating Voltage | | 7.5V DC ± 20% | |
| Battery Life (with KNB-48L) | 5-5-90 | Approx. 14.5 hours | |
| | 10-10-80 | Approx. 9.0 hours | |
| Operating Temperature Range | | -22° F to +140° F (-30° C to +60° C) | |

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| Frequency Stability | | ± 2.0 ppm | ± 1.0 ppm |
| Antenna Impedance | | 50 Ω | |
| Dimensions (W x H x D) Projections not included | Radio only | 2.28 x 5.02 x 1.63 in (58 x 127.1 x 41.4 mm) | |
| | with KNB-47 | 2.28 x 5.02 x 1.63 in (58 x 127.1 x 41.4 mm) | |
| | with KNB-48L | 2.28 x 5.02 x 1.91 in (58 x 127.1 x 48.4 mm) | |
| Weight (net) | Radio only | 8.82 oz (250 g) | |
| | with KNB-47L | 13.23 oz (375 g) | |
| | with KNB-48L | 14.29 oz (405 g) | |
| FCC ID | Type 1 | ALH378400 | |
| | Type 2 | - | |
| IC Certification | Type 1 | 282D-378400 | |
| | Type 2 | - | |
| RECEIVER | | | |
| Sensitivity | Digital @ 6.25kHz (3% BER) | 0.20 μV | |
| | Digital @ 12.5kHz (3% BER) | 0.25 μV | |
| | Analog (12 dB SINAD) | 0.25 μV | |
| Selectivity | Analog @ 25 kHz | 72 dB | |
| | Analog @ 12.5 kHz | 65 dB | |

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| Intermodulation Distortion | Analog | 70 dB ($\pm 50, 100$ kHz) |
| 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, 8K30F2E, 4K00F7W, 4K00F2 |
| GPS* | | |
| Time to First Fix | Cold Start | < 60 Seconds |
| | Hot Start | < 10 Seconds |
| Horizontal Accuracy | | < 10 Meters |
| Channels | | 50 Channels |
| Tracking Sensitivity | | -162 dBm |

*Accuracy specs are for long-term tracking (95th percentile values > 5 satellites visible at a nominal -130 dBm signal strength)

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