



● GENERAL FEATURES

- 5 W (136-174 MHz) Model
- 512 CH-GID / 128 Zones
- 12-Key Keypad Model
- 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
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- Emergency/AUX Key
- 500 mW Speaker Audio
- KMC-47GPS Speaker Mic Option
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input¹
- Transparent Data Mode¹
- VGS-1 Voice Guide/Voice & GPS Data Storage Option

● 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 Messaging¹
- Remote Stun/Kill¹
- Remote Check¹
- Short & Long Data Messages¹
- GPS Location with Voice¹
- 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 Mode²
- Message Trunked Mode²
- Call Queuing with Priority²
- Late Entry (UID & GID)²
- 4 Priority Monitor ID's²
- Remote Group Add¹
- Failsoft Mode

● MULTI-SITE IP NETWORKS COMPATIBLE

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

● MULTI-SYSTEM COMPATIBLE

- 8 Trunked Networks³
- UID Lists for each network

● SCAN

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

● ANALOG MODES – GENERAL

- 12.5 & 25 kHz Channels
- Conventional & LTR® or MPT Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT Two Tone (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

● MPT ZONES*

- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

● FleetSync®/II

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

● MDC-1200

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

* Optional feature

Options

■ KNB-31A

Ni-Cd Battery
(1700mAh)

■ KNB-32N

Ni-MH Battery
(2500mAh)

■ KNB-33L

Li-ion Battery
(2000mAh)

■ KNB-43L

Li-Polymer Battery
(3300mAh)

■ KNB-49PL

Primary Lithium Battery
(4500mAh)

■ KBP-6

Alkaline Battery Case



■ KSC-32

Rapid Rate Charger
for Ni-Cd/Ni-MH/Li-ion

■ KSC-326

Rapid Rate Six Unit Charger
for Ni-Cd/Ni-MH/Li-ion

■ KVC-15

Rapid Rate Vehicular
Charger Adapter for KSC-32

■ KVC-18

D.C. Vehicular Charger

■ KRA-22

VHF Helical Antenna

■ KRA-26

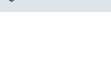
VHF Whip Antenna

■ KRA-16

VHF Stubby Antenna

■ KRA-25

VHF High Gain Antenna



■ KMC-41M

MIL-STD & IP 54/55
Speaker Microphone

■ KMC-47GPS

GPS Speaker Microphone

■ KEP-1

Heavy Duty Earphone

■ KHS-11BL

2-Wire Mini Lapel
Mic. with Earphone

■ KHS-12BL

3-Wire Mini Lapel
Mic. with Earphone

■ KHS-14

Lightweight Single
Muff Headset



■ KHS-15-BH

Over-the-Head
Heavy Duty Headset

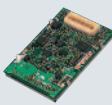
■ KHS-15-0H

Behind-the-Head
Heavy Duty Headset



■ VGS-1

Voice Guide
& Storage Unit



■ KBH-11

Belt Clip (2.5")



■ KLH-154K2

Heavy Duty Leather
Carrying Case



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-210 |
|-----------------------------|--|--|
| GENERAL | | |
| Frequency Range | | 136-174 MHz |
| Number of Channels | | 512 |
| Zones | | 128 |
| Max. Channels per Zone | | 250 |
| Channel Spacing | Analog/Digital | 12.5 / 15 / 25 / 30 kHz (6.25 / 12.5 kHz) |
| Operating Voltage | | 7.5V DC ± 20% |
| Battery Life (5-5-90) | with KNB-31A with KNB-32N with KNB-33L | More than 10 hours More than 14 hours More than 11 hours |
| Battery Life (10-10-80) | with KNB-31A with KNB-32N with KNB-33L | More than 6 hours More than 9 hours More than 7 hours |
| Operating Temperature Range | | -22° F to +140° F (-30° C to +60° C) |
| Frequency Stability | | ± 2.0 ppm |
| Antenna Impedance | | 50 Ω |
| Dimensions (W x H x D) | Radio only with KNB-31A with KNB-32N with KNB-33L | 2.28 x 5.46 x 0.88 in (58 x 138.8 x 22.4 mm) 2.28 x 5.46 x 1.60 in (58 x 138.8 x 40.7 mm) 2.28 x 5.46 x 1.60 in (58 x 138.8 x 40.7 mm) 2.28 x 5.46 x 1.35 in (58 x 138.8 x 34.2 mm) |
| Weight (net) | Radio only with KNB-31A with KNB-32N with KNB-33L | 9.52 oz (270 g) 18.52 oz (525 g) 19.58 oz (555 g) 13.93 oz (395 g) |
| FCC ID | | ALH423500 |
| IC Certification | | 282D-423500 |

| | | NX-210 |
|----------------------------|--|---|
| RECEIVER | | |
| Sensitivity | Digital @ 6.25kHz (3% BER) Digital @ 12.5kHz (3% BER) Analog (12 dB SINAD) | 0.20 μV 0.25 μV 0.25 μV |
| Selectivity | Analog @ 25 kHz Analog @ 12.5 kHz | 72 dB 65 dB |
| Intermodulation Distortion | Analog | 70 dB (±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 Analog @ 12.5 kHz | 45 dB 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.

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LTR™ is a registered trademark of Transcript International.
AMBE+2™ is a trademark of Digital Voice Systems Inc.
Windows™ is a registered trademark of Microsoft Corporation.
NXDN™ is a registered trademark of JVCKENWOOD Corporation and Icom Inc.
NEXEDGE® is a registered trademark of JVCKENWOOD Corporation.

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

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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