

● GENERAL FEATURES

- 15W (806-870 MHz) Model
- 260 CH-GID / 128 Zones
- 10 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function/Status LCD Icons
- Transmit/Busy/Call Alert/Warn LED
- Blue Function/Status LED
- On/Off Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio
- Zone / CH Number Voice Announcement
- DB-15 Accessory Connector
- 6 Programmable AUX I/Os
- KPG-141D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP-54 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input¹
- Transparent Data Mode¹
- Built-in GPS Receiver

● DIGITAL GENERAL

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming²
- 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

● 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
- Telephone Interconnect³
- Transmission Trunked Mode³
- Message Trunked Mode³
- Call Queuing with Priority³
- Late Entry (UID & GID)³
- 4 Priority Monitor ID's³
- 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 Networks⁴
- UID Lists for each network

● SCAN

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

● FM MODES - GENERAL

- 25 & 12.5 kHz Channels
- NPSPAC Channels
- Conventional & LTR® or MPT Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT (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 Messages¹

● MDC-1200

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

* Optional feature



Options

KMC-35
Microphone
(Supplied)



KES-3
External Speaker



KLF-2
Line Filter



KCT-60
DB 15-to-15 Pin
Molex Adaptor Cable



KMC-36
Microphone
with Keypad



KES-5
External Speaker
(requires KCT-60 option)



KCT-18
Ignition Sense Cable
(requires KCT-60 option)



KRA-40G
GPS Antenna



KMC-9C
Desktop Microphone



KMB-10
Key Lock Adapter



KCT-36***
3m Extension Cable
(for KCT-60)



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-920G |
|-----------------------------|--------------------------|---|
| GENERAL | | |
| Frequency Range | Receive | 851-870MHz |
| | Transmit | 806 - 825 / 851 - 870 MHz |
| Number of Channels | | 260 |
| Zones | | 128 |
| Max. Channels per Zone | | 250 |
| Channel Spacing | Analog | 12.5 / 25 kHz |
| | Digital | 6.25 / 12.5 kHz |
| Operating Voltage | | 13.6 V DC \pm 15% |
| Operating Temperature Range | | -22° F to +140° F (-30° C to +60° C) |
| Frequency Stability | | \pm 1.0 ppm |
| Antenna Impedance | | 50 Ω |
| Dimensions (W x H x D) | Projections not included | 6.30 x 1.69 x 5.35 in (160 x 43 x 136 mm) |
| Weight (net) | | 2.87 lb (1.3 kg) |
| FCC ID | | K44458300 |
| IC Certification | | 282F-458300 |

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

FleetSync® is a registered trademark of JVCKENWOOD Corporation.
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 trademark of JVCKENWOOD Corporation and Icom Inc.
NEXEDGE® is a trademark of JVCKENWOOD Corporation.

| | | NX-920G |
|---------------------------------------|-----------------------------|---|
| RECEIVER | | |
| Sensitivity | Digital @ 6.25 kHz (3% BER) | 0.20 μ V |
| | Digital @ 12.5 kHz (3% BER) | 0.28 μ V |
| | Analog (12 dB SINAD) | 0.25 μ V |
| Selectivity | Analog @ 25 kHz | 75 dB |
| | Analog @ 12.5 kHz | 65 dB |
| Intermodulation | Analog | 70 dB (\pm 50,100 kHz) |
| Spurious Response | Analog | 75 dB |
| Audio Distortion | | Less than 3% |
| Audio Output | | 4 W / 4 Ω |
| TRANSMITTER | | |
| RF Power Output | | 5 - 15 W |
| Spurious Response | | 75 dB |
| FM Hum & Noise | Analog @ 25 kHz | 45 dB |
| | Analog @ 12.5 kHz | 40 dB |
| Audio Distortion | | Less than 3% |
| Modulation | | 16K0F3E, 14K0F3E, 11K0F3E, 8K30F1E 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D |
| GPS** | | NX-920G |
| TIFF (Time to First Fix) - Cold Start | | < 60 seconds |
| TIFF (Time to First Fix) - Hot Start | | < 10 seconds |
| Horizontal Accuracy | | < 10 meters |

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

*** Not available in the Canadian markets (US only). Please consult your authorized retailer for confirmed accessory listings in your region.

Footnotes from front:

¹ Require NX subscriber unit PC Serial Interface compatible software application
(e.g. Kenwood AVL & Dispatch Messaging software) or hardware (e.g. console).

² Requires Kenwood OTAP Management software.

³ These trunked features are primarily system programming and operational dependent.
Priority Monitor also requires NX subscriber settings.

⁴ 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: Radio itself | | | | |

To meet MIL-810 and IP grade, Microphone & Cover for D-sub15 & SP connector have to be connected. (Do not use the KCT cable and/or SP cable.)

KENWOOD

Kenwood U.S.A. Corporation
Communications Sector Headquarters
3970 Johns Creek Court, Suite 100, Suwanee, GA 30024-1265

Order Administration/Distribution
P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745

Kenwood Electronics Canada Inc.
Canadian Headquarters and Distribution
6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8
www.kenwood.ca


www.kenwood.com



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JVCKENWOOD Corporation

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