

KENWOOD

Listen to the Future

NEXEDGE®

NX-900

NEXEDGE® 800 MHz Digital & Analog Mobile Radio

NXDN®

FleetSync®
by KENWOOD

● GENERAL FEATURES

- 15W (806-870 MHz) Model
- 512 CH-GID / 128 Zones
- Dash & Remote Mount
- 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 Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio
- DB-25 Accessory Connector
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- KPG-111D 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
- GPS Receiver Option
- 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
- 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
- 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

● SCAN

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

● ANALOG MODES - GENERAL

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

● 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



Options

<ul style="list-style-type: none"> KMC-35 Microphone KMC-36 Microphone with Keypad KMC-9C Control Station Desktop Microphone KES-5 External Speaker 	<ul style="list-style-type: none"> VGS-1 Voice Guide & Storage Unit KRK-10 Panel Remote Kit KPS-15 DC Power Supply 	<ul style="list-style-type: none"> KAP-2 Horn Alert / PA Relay Unit KCT-23M DC Cable (10 feet) KCT-23M3 DC Cable (23 feet) 	<ul style="list-style-type: none"> KCT-46 Ignition Sense Cable KMB-10 Key Lock Adapter KLF-2 Line Noise Filter
---	--	--	--

Main Specifications

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.

		NX-900
GENERAL		
Frequency Range	Receive	851-870 MHz
	Transmit	806-825, 851-870 MHz
Number of Channels		512
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 1.77 x 6.18 in (160 x 45 x 157 mm)
Weight (net)		3.08 lb (1.40 kg)
FCC ID		K44409300
IC Certification		282F-409300

Analog measurements made per TIA/EIA 603 and specifications shown are typical. Kenwood reserves the right to change specifications without prior notice or obligation.

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

		NX-900
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	68 dB
Intermodulation	Analog	78 dB (\pm 50, 100 kHz)
Spurious Response	Analog	80 dB
Audio Distortion		Less than 3%
Audio Output		4 W / 4 Ω
TRANSMITTER		
RF Power Output		15 W to 5 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, 14K0F3E, 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

footnotes from Front:

- Requires NX subscriber unit PC Serial Interface compatible software application (e.g. Kenwood AVL & Dispatch Messaging software) or hardware (e.g. console).
- These trunked features are primarily system programming and operational dependent. Priority Monitor also requires NX subscriber settings.

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, III, V	516.3/Procedure I, IV, V	516.4/Procedure I, IV, V	516.5/Procedure I, IV, V	516.6/Procedure I, IV, V
International Protection Standard					
Dust & Water Protection	IP54: Radio itself				
	IP54/55: Remote head with KRK-10				

Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

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

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.com

