

KENWOOD

Listen to the Future

NX-700/800

NEXEDGE®

NEXEDGE® VHF/UHF Digital & FM Mobile Radios

NXDN®

FleetSync®
by KENWOOD

● GENERAL FEATURES

- 30W (136-174, 400-470 MHz) Models
- 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
- IP-54/55 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 – COMMON

- 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

● 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
- Failsafe Mode

● MULTI-SITE IP NETWORKS COMPATIBLE

- Individual Private Call
- Group Call & Broadcast Call
- Transmission Trunked Mode²

● SCAN

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



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
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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-700 K	NX-800 K
GENERAL			
Frequency Range	Type 1 Type 2	136-174 MHz	400-470 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	12.5 / 25 kHz 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 2.0 ppm	\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)		3.04 lb (1.38 kg)	
FCC ID	K Type 1 K Type 2	K44378600	K44378701
IC Certification	K Type 1 K Type 2	282F-378600	282F-378701

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

		NX-700 K	NX-800 K
RECEIVER			
Sensitivity	Digital @ 6.25 kHz (3% BER) Digital @ 12.5 kHz (3% BER) Analog (12 dB SINAD)	0.20 μ V 0.28 μ V 0.25 μ V	
Selectivity	Analog @ 25 kHz Analog @ 12.5 kHz	80 dB 70 dB	
Intermodulation	Analog	75 dB (\pm 50,100 kHz)	
Spurious Response	Analog	90 dB	85 dB
Audio Distortion		Less than 3%	
Audio Output		4 W / 4 Ω	
TRANSMITTER			
RF Power Output		30 W to 1 W	30 W to 1 W
Spurious Response		73 dB	75 dB
FM Hum & Noise	Analog @ 25 kHz Analog @ 12.5 kHz	50 dB 45 dB	
Audio Distortion		Less than 3%	
Modulation		16K0F3E, 14K4F1D, 11K0F3E, 8K10F1D, 8K10F1E, 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, 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 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.

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