

KENWOOD

ProTalk[®] DIGITAL

NXR-710MPD/810MPD

VHF/UHF Digital and Analog Repeater Stations

NXDN[®]

● GENERAL FEATURES

- 151 - 159 MHz, 50W
- 450 - 470 MHz, 40W
- 25 / 25W @ 100% Duty
- Repeater Operation
- 30 CH Scanning Base
- Two-Digit LED Display
- 6 Lighted Programmable Function keys
- Front Panel Speaker
- 4W External Speaker Audio
- Volume Control
- Programmable AUX I/O's
- Power Supply Voltage Monitor
- RF Power Down Detect
- PC Serial Interface
- Windows[®] PC programming
- Flash Firmware Upgrading

● DIGITAL CONVENTIONAL MODE

- NXDN[®] Digital Air Interface
- AMBE+2[™] VOCODER
- 6.25 kHz Channels
- Mixed FM/Digital Operation
- NXDN[®] Scrambler Built-in
- 16 RAN Repeater Control Built-in
- 1,000 GIDs Per Site
- 1,000 UIDs Per Site
- Individual & Group Selective Call
- All Group Call
- NXR Over-the-Air Alias

● FM CONVENTIONAL MODE

- 12.5 kHz Channels
- Built-in Scrambler
- 16 QT/DQT Repeater Control Built-in
- Hang Timer / Time Out Timer / CW ID
- External FM Controller Interface

System Includes:

- NXR-710/810 Repeater • KSGPS20200 Power Supply
- KSGDX6201(VHF)/63002(UHF) Duplexer • KSGCB20008 Cable
- KSGCB20010 Cable



Options

KMC-9C Desktop Microphone



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

		NXR-710	NXR-810
GENERAL			
Frequency Range	K	136-174 MHz	450-520 MHz
Number of Channels		30	
Channel Spacing	Analog Digital	12.5 kHz 6.25 kHz	12.5 kHz 6.25 kHz
PLL Channel Step		2.5 / 3.125 kHz	3.125 / 5 kHz
Current Drain	Standby Receive Transmit		0.5A 1.0A 11.0A
TX Power	50% Duty 100% Duty	50 W 25 W	40 W 25 W
Frequency Stability		± 1.0 ppm	± 0.5 ppm
Operating Voltage		10.8 -15.6 V DC	
Operating Temperature Range		-22° F to +140° F (-30° C to +60° C)	
Antenna Impedance		50 Ω	
Dimensions (W x H x D)	Projections not included	19 x 3-1/2 x 13-1/3 inch (483 x 88 x 340 mm)	
Weight (net)		21.4 lbs (9.7 kg)	
FCC ID	K	K44422300	K44422400
IC Certification	K	282F-422300	-
RECEIVER			
Sensitivity	Digital @ 6.25kHz (3% BER) Analog (12 dB SINAD)		0.22 μV 0.28 μV
Selectivity	Analog @ 25 kHz Analog @ 12.5 kHz	83 dB 77 dB	80 dB 74 dB
FM Hum & Noise	Analog @ 25 kHz Analog @ 12.5 kHz		55 dB 50 dB
Intermodulation Distortion			80 dB
Spurious Response			90 dB
Audio Distortion (Ext. SP)		Less than 2.5% at 1000 Hz	
Audio Output (Ext. SP)		4 W (at 4 Ω, less than 5% distortion)	
TRANSMITTER			
RF Power Output		25 W to 50 W	25 W to 40 W
Spurious & Harmonics			80 dB
FM Hum & Noise	Analog @ 12.5 kHz		50 dB
Audio Distortion		Less than 1% at 1000 Hz	
Modulation		16K0F3E, 8K30F1E, 8K30F1D, 8K30F7W	

Analog measurements made per TIA/EIA 603 and specifications shown are typical. Specifications are subject to change without notice, due to advancements in technology. NDXN® is a registered trademark of JVCENWOOD Corporation and Icom Inc.

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AMBE+2™ is a trademark of Digital Voice Systems Inc.
NEXEDGE® is a registered trademark of JVCENWOOD Corporation in USA and various other countries.

KENWOOD

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