

KENWOOD

Listen to the Future

NEXEDGE™

NXR-710/810

NEXEDGE™ VHF/UHF Digital & FM Base Units

NXDN®

FleetSync®
by KENWOOD

● GENERAL FEATURES

- 136 - 174 MHz, 50 W
- 400 - 470, 450 - 520* MHz, 40 W
- Repeater Operation
- Duplex / Simplex Base Operation
- 30 CH Scanning Base
- Two-Digit LED Display
- 6 Lighted Programmable Function Keys
- Front Panel Speaker
- Rear External Speaker Output (4 Watts Audio)
- Volume Control
- Microphone Jack
- Program Interface
- Remote Termination Interface
- Programmable AUX I/O's
- DTMF Front Panel PF Key Control
- DTMF AUX Output Control
- DTMF AUX Input Monitoring
- Windows® PC Programming
- Flash Firmware Upgrading

● DIGITAL – CONVENTIONAL MODE

- NXDN® Digital Air Interface
- Conventional IP Network*
- AMBE+2™ VOCODER
- 6.25 & 12.5 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 MODES – GENERAL

- VHF: 25 & 12.5 kHz Channels
- UHF: 25 & 12.5 kHz Channels
- Built-in Scrambler

● FM CONVENTIONAL MODE

- 16 QT / DQT Repeater Control Built-in
- Hang Timer / Time Out Timer / CW ID
- External FM Controller Interface
- EIA Voter Tone Generation

● FM TRUNKED MODE

- External LTR® Controller Interface
- External MPT Controller Interface

* Future availability



<http://nexedge.kenwood.com>

Options

■ **KMC-30**
Microphone



■ **KMC-9C**
Desktop Microphone



■ **KMC-35**
Microphone



■ **KES-5**
External Speaker



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	136-174 MHz	400-470 MHz
Number of Channels	30	
Channel Spacing	12.5 / 15 / 25 / 30 kHz	12.5 / 25 kHz
	6.25 / 7.5 / 12.5 / 15 kHz	6.25 / 12.5 kHz
PLL Channel Step	2.5 / 3.125 kHz	
Current Drain		0.5 A
		1.0 A
		11.0 A
TX Power	50 W	40 W
	25 W	25 W
Frequency Stability	± 1.0 ppm	
Operating Voltage	10.8 - 15.6 V DC	
Operating Temperature Range	-30° C to +60° C	
Antenna Impedance	50 Ω	
Dimensions (W x H x D), Projections not included	483 x 88 x 340 mm	
Weight (net)	9.7 kg	
RECEIVER		
Sensitivity	Digital @ 6.25kHz (3% BER) Digital @ 12.5kHz (3% BER) Analog (12 dB SINAD)	0.22 μV 0.28 μV 0.28 μV
Selectivity	Analog @ 25 kHz Analog @ 12.5 kHz	83 dB 77 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 4Ω, 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 @ 25 kHz Analog @ 12.5 kHz	55 dB 50 dB
Audio Distortion		Less than 1% at 1000 Hz
Modulation		16K0F3E, 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

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

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NEXEDGE™ is a trademark of Kenwood Corporation in U.S.A. and some countries.

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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ISO9001 Registered
Communications Equipment Division
Kenwood Corporation
ISO9001 certification