KENWOOD

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

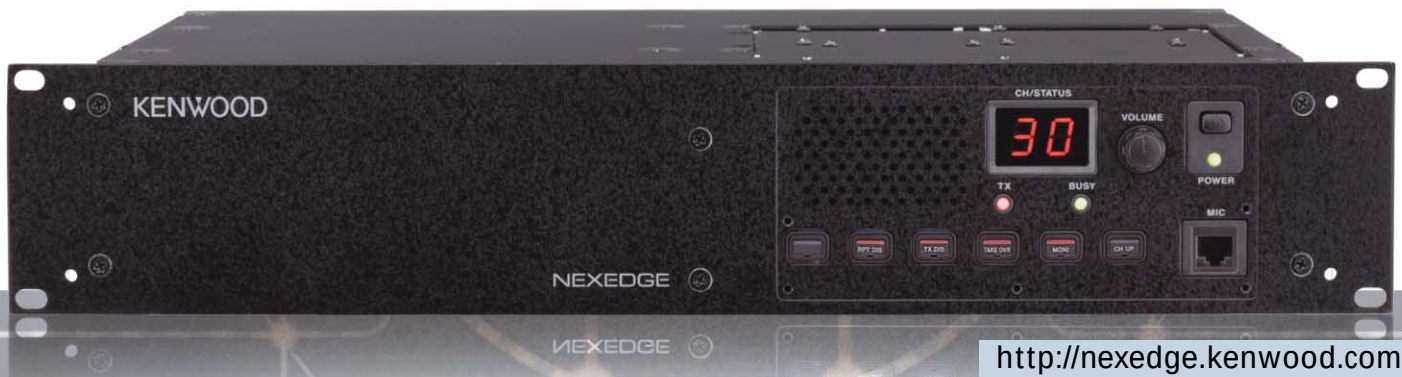
FM CONVENTIONAL MODE

- 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	**Analog**	12.5 / 15 / 25 / 30 kHz	12.5 / 25 kHz
	Digital	6.25 / 7.5 / 12.5 / 15 kHz	6.25 / 12.5 kHz
PLL Channel Step		2.5 / 3.125 kHz	3.125 / 5 kHz
Current Drain	**Standby**	0.5 A	
	Receive	1.0 A	
	Transmit	11.0 A	
TX Power	**50% Duty**	50 W	40 W
	100% Duty	25 W	25 W
Frequency Stability		± 1.0 ppm	± 0.5 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)**	0.22 µV	
	Digital @ 12.5kHz (3% BER)	0.28 µV	
	Analog (12 dB SINAD)	0.28 µV	
Selectivity	**Analog @ 25 kHz**	83 dB	80 dB
	Analog @ 12.5 kHz	77 dB	74 dB
FM Hum & Noise	**Analog @ 25 kHz**	55 dB	
	Analog @ 12.5 kHz	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**	55 dB	
	Analog @ 12.5 kHz	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.

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 Electronics UK Ltd

www.kenwood-electronics.co.uk
http://nexedge.kenwood.com

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Communications Systems Division
JVCKENWOOD Corporation

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