

KENWOOD

Listen to the Future



ÉLECTRONIQUE
MERCIER
télécommunications sans fil

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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
- 2W Front Panel Speaker
- Volume Control
- Microphone Jack
- Program / Modem Interface
- Remote Terminal 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 / Timer Out Time / CW ID
- External FM Controller Interface
- EIA Voter Tone Generation

● FM TRUNKED MODE

- External LTR * Controller Interface
- External MPT Controller Interface

* Future availability.



Options

- KMC-27A
Microphone
(MIL-SPEC noise-canceling)
- KMC-27B
Microphone
- KMC-35
Microphone



- KMC-9C
Desktop Microphone



- KES-5
External Speaker



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.

		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		1.3A
	Receive		2.0A
	Transmit		13.0A
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			-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 (482.6 x 88 x 340 mm)	
Weight (net)		21.4 lbs (9.7 kg)	
FCC ID		Pending	Pending
IC Certification		Pending	Pending
RECEIVER			
Sensitivity	Digital @ 6.25kHz (3% BER)		0.27 μV
	Digital @ 12.5kHz (3% BER)		0.33 μV
	Analog (12 dB SINAD)		0.28 μV
Selectivity	Analog @ 25 kHz	80 dB	78 dB
	Analog @ 12.5 kHz	74 dB	72 dB
FM Hum & Noise	Analog @ 25 kHz		55 dB
	Analog @ 12.5 kHz		50 dB
			80 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 @ 25 kHz		55 dB
	Analog @ 12.5 kHz		50 dB
Audio Distortion Modulation		Less than 1% at 1000 Hz 16K0F3E, 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D	

FCC/IC Type Approval Pending

Analog measurements made per TIA/EIA 603 and specifications shown are typical. FleetSync is a registered trademark of Kenwood Corporation. Windows 2000/XP/Vista are registered trademarks of Microsoft Corporation. Kenwood reserves the right to change specifications without prior notice or obligation. NEXEDGE is a registered trademark of Kenwood Corporation and Icom Inc. NEXEDGE is a trademark of Kenwood Corporation. AMBE+2 is a trademark of Digital Voice Systems Inc.

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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