

# KENWOOD

## NEXEDGE®

# NX-740(H)V/840(H)U

NEXEDGE® VHF/UHF Digital & FM Mobile Radios

**NXDN®** **FleetSync®**

### ● GENERAL FEATURES

- 50 W (136-174 MHz) Model
- 45 W (450-520 MHz) Model
- Max. 16 CH per Zone
- 2 Conventional Zones
- 2-Digit LED Channel Display
- Function/Status LED Dots
- Backlit Keys
- Transmit /Busy / Call Alert LED
- Blue Function/Status LED
- 9 Programmable Function Keys
- Emergency / AUX Key
- 4W Speaker Audio
- Voice CH# Announcement
- DB15 Accessory Interface
- 8 Programmable I/O Ports
- KPG-175D Windows® FPU
- MIL-STD-810 C/D/E/F
- IP-54 Water & Dust Intrusion
- PC Serial Interface
- GPS Receiver Option

### ● DIGITAL COMMON

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 kHz Channels
- Over-the-Air Alias (TX Only)
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- GPS Location with Voice
- NXDN® Scrambler Included

### ● DIGITAL CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Conventional IP Networks
- Site Roaming

### ● SCAN

- Single Zone Scan
- Single Priority Scan

### ● ANALOG MODE - GENERAL

- 12.5 kHz Channels
- Conventional Zones
- FleetSync®, MDC-1200, DTMF
- QT/DQT/Two-Tone
- Voice Inversion Scrambler (16 Codes)

### ● FleetSync®

- PTT ID ANI
- Selective / Group Call
- Emergency Status
- Send GPS Data

### ● MDC-1200

- PTT ID ANI
- Emergency, Radio Check & Inhibit



## Options

■ **KMC-35**  
Microphone  
(Supplied)



■ **KES-5**  
External Speaker  
(requires KCT-60 option)



■ **KCT-60**  
DB 15-to-15 Pin  
Molex Adaptor Cable



■ **KMB-24**  
Mounting Case  
for KPS-15



■ **KMC-36**  
Microphone  
with Keypad



■ **KCT-18**  
Ignition Sense Cable  
(Requires KCT-60 option)



■ **KLF-2**  
Line Filter



■ **KPS-15**  
DC Power Supply



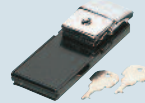
■ **KES-3**  
External Speaker



■ **KCT-36**  
3m Extension Cable  
(for KCT-60)



■ **KMB-10**  
Key Lock Adapter



## 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.

	NX-740(H)	NX-840(H)
<b>GENERAL</b>		
Frequency Range	136-174 MHz	450-520 MHz
Number of Channels	Max. 32	
Zones	2	
Max. Channels per Zone	16	
Channel Spacing	Analog	12.5 kHz
	Digital	6.25 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 $\Omega$	
Dimensions (W x H x D)	Projections not included 6.30 x 1.69 x 4.83 in (160 x 43 x 122.6 mm)	
Weight (net)	2.42 lb (1.10 kg)	
FCC ID	K44452600	K44452700

Measurements made per TIA/EIA 603 and specifications shown are typical.  
Digital measurements made per CAI measurement procedure.  
Specifications are subject to change without notice, due to advancements in technology.

FleetSync® is a registered trademark of JVCKENWOOD Corporation.  
AMBE+2™ is a trademark of Digital Voice Systems Inc.  
Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.  
NXDN® is a trademark of JVCKENWOOD Corporation and Icom Inc.  
NEXEDGE® is a trademark of JVCKENWOOD Corporation.

	NX-740(H)	NX-840(H)
<b>RECEIVER</b>		
Sensitivity	Digital	0.28 $\mu$ V
	Analog (12 dB SINAD)	0.28 $\mu$ V
Selectivity	Analog @ 25 kHz	65 dB
Intermodulation	Analog	75 dB
Spurious Response	Analog	75 dB
Audio Output	4W with less than 5 % distortion	
<b>TRANSMITTER</b>		
RF Power Output	High / Mid / Low	50-25-5 W 45-25-5 W
Spurious Response	70 dB	
FM Hum & Noise	Analog	40 dB
Audio Distortion	Less than 5%	
Modulation	11K0F3E, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D	

## ACCESSORIES INCLUDED

- KMC-35 Microphone
- DC Cable
- Fuse
- Set of screws
- Mic. Hanger
- Bracket

Supplied accessories may vary depending on the market.

## 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 Cat.20
Shock	516.2/Procedure I, II, III, V	516.3/Procedure I, IV, V	516.4/Procedure I, IV, V	516.5/Procedure I, IV, V	516.6/Procedure I, IV, V
<b>International Protection Standard</b>					
Dust & Water Protection	IP54*				

\*Required conditions: Microphone (KMC-35 or KMC-36) is connected; Cap shall be installed on the speaker connector; Cover shall be installed at D-sub connector (15pin); and KCT cable and/or SP cable are not connected.

# KENWOOD

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JVCKENWOOD Corporation

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