It's true that analog radios are still playing a role in mobile communications. But the future is unquestionably digital, and the new NEXEDGE NX-740HV/840HU demonstrates why, offering increased effective coverage area, low noise for superior clarity, and inherent secured voice. As you would expect from KENWOOD, intuitive operation, high-powered performance, and round-the-clock reliability come as standard. But there's more. This mobile radio has a dual personality: it operates in both analog FM and NXDN digital modes, enabling smooth migration from legacy systems.

**GPS FEATURE**
Connecting a GPS unit to the NX-740HV/840HU enables you to transmit accurate vehicle location (GPS) data to the central base station for fleet management purpose.

**EXTERNAL D-SUB 15-PIN INTERFACE**
The radio's D-Sub 15-pin terminal can be used to connect peripherals, enabling Ignition Sense, External Switch, Horn Alert, etc. Molex interface compatibility is provided by the optional KCT-60 cable.

**OTHER FEATURES**

**DIGITAL:**
- Over-The-Air Alias (TX only)
- Paging Call
- Individual Call & Conference Group Call
- Status Messaging
- Remote Monitor
- Site Roaming
- Late Entry
- NEXEDGE ESN
- ANALOG: FleetSync, MDC-1200, DTMF + QT/DQT/2-tone
- Combiner + Squelch Level
- GENERAL: Multiple Scan + 4-Color LED (Blue / Red / Green / Orange) + 9 PF Keys + Voice Announcement (select a language from English, Spanish, French, or Russian) + Emergency Call + Remote Stun/Kill + Lone Worker Alert + Time Out Timer + Busy Channel Lockout + Horn Alert + Ignition Sense + Wired Cloning + Password Protection + PTT Release Tone + Minimum Volume + Mic Sense + MIL-STD-810 C/D/E/F/G + IP54 Water & Dust Intrusion

**32 CHANNELS / 2 ZONES**
This radio can be used with two conventional zones, offering up to 16 channels per zone.

**NXDN DIGITAL AIR INTERFACE**
NEXEDGE radios employ NXDN, an FDMA digital air interface with AMBE+2™ voice coding technology, unique filtering and a 4-level FSK modulation technique with low bit error rate (BER) even at weak RF signal strengths.

**ENHANCED AUDIO QUALITY**
AMBE+2 Vocoder technology accurately replicates natural human speech nuances for superior voice quality, even at highway speeds. Additionally, the powerful 2-1/4"x 1-3/8" oval speaker delivers up to 4W (4Ω impedance) audio output, providing undeniably clear and crispier audio.

**ULTIMATE PERFORMANCE**
Maximum RF output power is 50W on the NX-740HV VHF model, 45W on the NX-840HU UHF model. Additionally, the UHF frequency coverage on the NX-840HU is 70 MHz.

**HIGH SECURITY**
Confidentiality in radio communications is a KENWOOD priority, and helping to maintain a high level of security in analog mode is a 16-code voice inversion scrambler, while robust NXDN encryption is available in digital mode.

**SWITCHABLE DIGITAL AND ANALOG DUAL MODES**
The NX-740HV/840HU is effectively two radios in one – analog and digital – operating on 12.5/25* kHz in analog zones, and on 6.25/12.5 kHz NXDN in digital zones. For convenience, a PF key can be used to switch between zones.

*25 kHz is not included in the models sold in the USA or US territories.

**6.25 & 12.5 kHz NXDN DIGITAL CHANNELS**
Digital communications are more spectrum-efficient and offer wider area coverage than analog.

**NXDN DIGITAL CONVENTIONAL**
Compatible with NEXEDGE Digital Conventional Mode, this radio offers 64 RAN (Radio Access Numbers) and individual & conference group calling to ensure expeditious communications.

**NXDN TYPE-D DIGITAL TRUNKING**
The NX-740HV/840HU supports the NXDN Type-D digital trunking protocol. With this architecture, also known as distributed or decentralized trunking, all channels can operate as traffic channels without the need for a dedicated control channel. This makes it possible to develop an efficient and reliable yet affordable trunking system. Type-D trunking is thus suitable for users considering migration to a small-scale digital trunking system.

*Requires activation
MIL-STD & IP

K44452600
6.25/12.5 kHz
503.5/Procedure I
MIL 810F
13.6V DC ± 15 %
IP54*
450-520 MHz
Analog
NX-840HU
Methods/Procedures
70 dB
516.5/Procedure I, IV, V
Projections Not Included
MIL 810E
Analog @ 12.5 kHz
50-5 W
12.5/25 kHz
507.1/Procedure I, II
507.5/Procedure II
136-174 MHz
4W / 4
505.5/Procedure I
±2.0 ppm
MIL 810C
502.1/Procedure I
500.5/Procedure I, II
501.5/Procedure I, II
16
Radio only
510.5/Procedure I
500.2/Procedure I, II
Methods/Procedures
516.2/Procedure I, II, III, V
16K0F3E, 11K0F3E, 4K00F1E, 4K00F1D, 4K00F7W,
K44452700
Analog
75 dB
514.6/Procedure I cat. 20
500.1/Procedure I
506.1/Procedure I, II
Analog @ 12.5 kHz
NX-840HU
-22 °F
501.1/Procedure I, II
Methods/Procedures
Methods/Procedures
506.5/Procedure I, III
505.1/Procedure I
0.28 μV
503.1/Procedure I
6.29 x 1.69 x 4.82 in (160 x 43 x 122.6 mm)
2.42 lbs (1.10 kg)
509.5
Digital @ 6.25 kHz (3 % BER)

OPTIONAL ACCESSORIES

KCT cable and/or SP cable are not connected.

* 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.

APPLICABLE MIL-STD & IP

KMC-27A
Microphone

KMC-27B
Microphone

KMC-28B
Keypad Microphone

KMC-30
Microphone

KMC-32
Keypad Microphone

KES-3
External Speaker

KES-5
External Speaker

KCT-18
Ignition Sense Cable

KCT-36
Extension Cable

KCT-60
Connection Cable

KMB-24
Mounting Case for KPS-15

KPS-10A
DC Power Supply

KPS-15
DC Power Supply

APPLICATIONS INCLUDED

* KMC-35 Microphone
  • DC Cable
  • Fuse
  • Set of Screws
  • Mic. Hanger
  • Bracket
  Supplied accessories may vary depending on the market.

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Contact an authorized KENWOOD dealer for details and complete list of all accessories and options.

Specifications are subject change without notice, due to advancements in technology.
Details and timing of firmware and software updates are subject to change without notice.
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FleetSync® is a registered trademark of JVCKENWOOD Corporation.
NEXEDGE® is a trademark of JVCKENWOOD Corporation and Icom Inc.
NXDN™ is a trademark of JVCKENWOOD Corporation and Icom Inc.
AMBE+2™ is a trademark of Digital Voice Systems Inc.

Contact an authorized KENWOOD dealer for details and complete list of all accessories and options.

All accessories and options may not be available in all markets.