KENWOOD



AN INDUSTRY FIRST Three Digital Protocols for Enterprise

The NX-5000 Series

















Supporting NXDN™, DMR and P25 Digital Protocols

Radios are a lifeline for those who work on the front lines – crews tackling a four-alarm fire, utility engineers repairing ice-storm damage, or school guards responding to a security alert. They demand and deserve equipment that is truly fit for purpose, and then some.

To meet this demand KENWOOD has drawn on its extensive experience, its renowned technologies, and an expert analysis of market needs to develop NEXEDGE®. This innovative digital solution satisfies the most stringent requirements of today's mission-critical radio users. And now NEXEDGE leaps further ahead of the competition with NX-5000 Series portable and mobile radios, ready to serve in all public safety, public sector and commercial roles with flawless performance and advanced feature sets.



The Enterprise Network Solution with cutting-edge digital technologies for scalable operation-critical communications

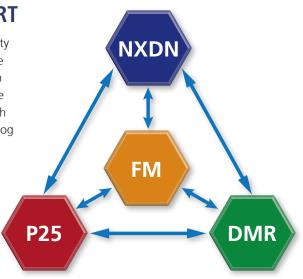
Providing all the benefits of advanced digital technology such as increased effective coverage area and low noise for superior clarity, NXDN has become established throughout the world, serving customers ranging from business & industrial to mission-critical. And now NEXEDGE 2nd Generation (Gen2) delivers a quantum leap in network scale and capability – supporting networks with as many as 1,000 sites or 24 networks for wide area roaming and calling.



NX-5000 SERIES FEATURES

ONE-RADIO, MULTI-PROTOCOL SUPPORT

The NX-5000 Series offers unsurpassed interoperability for a wide variety of users as it supports three digital CAIs — NXDN, DMR and P25 (Phase 1 & 2) — plus FM analog in a single radio. Best of all, a desired CAI can be selected at will, giving you the freedom to migrate at your own pace — whether you are intent on going fully digital, undecided about which digital system to pick, or just wanting to maintain both digital and analog for a while. An NX-5000 radio can simultaneously support two digital protocols plus analog, offering the following combinations: FM/DMR/NXDN, FM/NXDN/P25, and FM/DMR/P25.



NXDN: The NXDN air interface can fit into the very narrow 6.25 kHz bandwidth using FDMA technology. Ensuring spectrum efficiency, wide coverage and virtually unlimited scalability, it provides for nationwide expansion: Type-C Trunking Gen2 offers enhanced features, flexibility and performance, linking up to 1,000 sites or 24 networks.

DMR: For simple conventional communications, making use of existing infrastructure, DMR is an excellent, cost-effective solution. Being energy-efficient, it offers longer battery life. And thanks to 2-slot TDMA, it is possible to obtain 2 talk paths within an analog 12.5 kHz bandwidth, thus doubling the capacity. The NX-5000 Series supports both Tier 2 Conventional mode & Tier 3 Trunking, and Trunking 2.5.

P25: This digital CAI ensures interoperability among public safety agencies in North America, Australia and New Zealand. The NX-5000 Series is compatible with P25 Conventional, P25 Phase1 Trunked, and Phase 2 Trunked modes.



MIXED MODE AND INTEROPERABILITY

An NX-5000 Series radio automatically identifies a call signal – whether it's NXDN, DMR, P25, or FM analog – and transmits in the same mode received. Setting your radio to Mixed Mode allows the radio to wait for a call in both digital and analog modes in a digital/analog environment. Moreover, the new System Personality function allows these radios to operate in any mode – conventional or trunked – in the same zone.

INTUITIVE DISPLAY & OPERABILITY

The 65,536-color TFT display allows the user to check at a glance on operating status, shown in multi-line text to convey more information.

LCD TFT

COLOR

The portables feature a 1.74-inch (240 x 180 pixel) LCD that can be viewed clearly in direct sunlight or in the dark, even while wearing polarised sunglasses.

New 1

MF KA130UPRB1
FRU MOTOR RUNNING
FOR EXCESSIVE AMOUN

Reply Back

NX-5200/5300/5400 (actual size)

The mobile models feature a 2.55-inch (154 x 422 pixel) TFT display with integrated luminance sensor that automatically adjusts the brightness of the backlight. What's more, the optional remote control panel (KCH-20R) features a 2.75-inch (240 x 400 pixel) TFT display with Auto LCD Brightness mode to adjust display intensity for round-the-clock operation.

NEW 1
MF KA130UPRB 1 FRU MOTOR RUNNING
FOR EXCESSIVE AMOUNT OF TIME
CHECK FOR MECHANIC
REPLY BACK

Further enhancing operating ease is the 4-way Directional-pad (D-pad) and 2-position lever switch, which offer intuitive control and can be operated with gloves on.

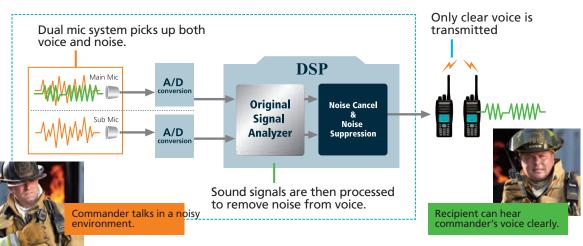
NX-5700/5800/5900 (actual size)

RENOWNED KENWOOD AUDIO

Benefitting from decades of KENWOOD experience and expertise, the NX-5000 Series offers superb audio quality even in very noisy environments. In addition to sophisticated sound analysis and optimization technologies, these radios feature Active Noise Cancelling based on leading-edge digital technology. Clear communications are assured.







NX-5000 SERIES FEATURES

TOUGH & ROBUST

During the development stage, NX-5000 Series radios go through a number of stringent tests to make sure they can withstand harsh usage. In addition to MIL-STD-810 C/D/E/F/G environmental standards, NX-5000 portable radios comply with IP67/68 immersion standards, offering max. 2 hour protection at a depth of 1 meter*.

The rugged mobile radios comply with IP54/55** dust/water ingress protection standards.

- * Applies for IP68
- ** IP54: RF Deck of the mobile radio; IP55: Remote Control Head for the mobile radio















BUILT-IN BLUETOOTH®

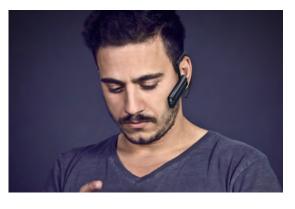
Hands-free operation is vital for many NX-5000 users. The radios' built-in Bluetooth® module is compatible with Headset and Serial Port Profiles and keeps your hands open for other important tasks you are into.



GPS TO TRANSMIT YOUR POSITION

Featuring an integrated GPS module and antenna, NX-5000 portable radios can transmit positional data, enabling effective management when used with tracking applications like KAS-20 software. Mobile models can support GPS with the optional KRA-40G GPS Active Antenna.





ENCRYPTION EQUIPPED





DES

AES

Secure communications are an essential requirement, especially for public safety applications. NX-5000 radios are equipped with 56-bit key Data Encryption Standard (DES) Encryption. For even higher protection there is the optional

KWD-AE30/31 Secure Cryptographic Module, which supports the 256-bit Advanced Encryption Standard (AES) Encryption.

MULTIPLE CONFIGURATION (Mobiles: option)

The NX-5000 mobile series allows users to create a variety of configurations to suit diverse requirements by combining different options.

1. Single Remote Control Head x Single RF Deck

Suited for distribution and courier services, this is the simplest configuration. The detachable front control panel of the NX-5000 mobile series is used as a Remote Control Head.





2. Single Remote Control Head x Multi RF Decks

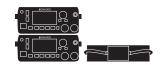
You can operate multiple radios (e.g. VHF and UHF) as if they were one by adding an NX-5000 mobile series RF Deck. This configuration is recommended for law enforcement agencies.





3. Dual Remote Control Heads x Single RF Deck

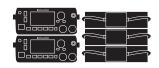
One controller can be mounted on the dashboard, with the other at the rear. Useful for EMS applications.





4. Dual Remote Control Heads x Multi RF Decks

This adds the convenience of a dual control head to the multi RF decks (3 max.) configuration. Two operators can control 2 radios (e.g. VHF and UHF) from separate control heads. Best suited for battalion chiefs.





SD CARD SLOT

For storing voice and data, memory capacity can be increased by up to a huge 32 GB.*

* Purchase a card separately.



SENSORS FOR USER SAFETY

Life-critical detection is built-in. When unusual behavior is detected by the acceleration and tilt sensors, one of three Emergency Modes – Man-down Detection, Stationary Detection, and Motion Detection – will be automatically engaged.

In addition to the built-in motion sensor, these portables feature a Lone Worker function that automatically places the

radio in Emergency
Mode if it is not operated
for a certain period of time.
Also the bright orange
Emergency Button is
located at the top
(portables) or front
(mobiles) of the radio for
high visibility and instant
access when needed.





NX-5200/5300/5400

NEXEDGE VHF/UHF/700-800MHz MULTI-PROTOCOL DIGITAL & ANALOG PORTABLE RADIOS

GENERAL FEATURES

- •Multi-Digital + FM Analog Operation
 - •Gen2 & NXDN Type-C Trunked Operation
 - •NXDN Conventional Operation
 - •DMR Tier 2 Conventional
 - •DMR Tier 3 Trunking
 - •P25 Conventional/Trunking (Phase 1/Phase 2)
 - •FM Analog Conventional & LTR Zones •Trunking 2.5
- Large, Color 1.74" (240 x 180 pixel) Transflective TFT Display
- Easy-to-follow GUI and Multi-line Text Display
- 1,000 mW Speaker Audio (@8 Ω, 5 % distortion)

- 4-way Directional-pad (D-pad) and 2-Position Lever Switch for intuitive control and operation
- 6 Front & 2 Side PF keys
- 12-Key Keypad Models Available
- Emergency / AUX Key
- FleetSync®/II, MDC-1200, QT/DQT, 2-Tone (Analog mode)
- Maximum Channels per radio = 1,024 (up to 4,000 channels with options)
- Number of Zones = 128
- Maximum Number of P25 Trunked Group ID's = 512 per system

- Maximum Number of P25 Conventional Talkgroup ID's = 1,500
- Frequency Range
 - •VHF: 136-174 MHz (NX-5200)
 - •UHF: 450-520 MHz, 380-470 MHz, (NX-5300)
 - •700-800 MHz: RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz (NX-5400)
- RF Output
 - •VHF: 6-1 W (NX-5200)
 - •UHF: 5-1 W (NX-5300)
 - •700-800MHz: 3-1 W (NX-5400)

OPTIONAL ACCESSORIES

■ KNB-L1/L2/L3

Li-ion Battery Pack (IP67/68 immersion)



■ KNB-LS5CU

■ KNB-LS7M

■ KSC-52BK/AK Rapid Charger

KNB-L1 7.4 V/2000 mAh

Intrinsically Safe Li-Ion Battery (7.4V @ 3800mAh)

Intrinsically Safe Li-Ion Battery (7.4V @ 3800mAh)



KNB-L2 7.4 V/2600 mAh



KNB-L11 7.4 V/3,900 mAh

■ KRA-22

VHF Helical Antenna (Low Profile)

■ KRA-23

UHF Helical Antenna (Low Profile)

■ KRA-26

VHF Helical Antenna (Standard Length)

■ KRA-27

UHF Whip Antenna (Standard Length)

■ KRA-32

700/800 MHz Whip Antenna

VHF Stubby Antenna

■ KSC-526K Multiple Charger

(6-unit Rapid Rate)



■ KBP-8M2

Battery Case (12 AA Alkaline Batteries not included)

■ KWD-AE30/AE31

Secure Cryptographic Module

■ KPG-180AP

OTAP Manager (PC Software)

■ KAS-20

AVL & Dispatch Software







■ KRA-42 **UHF Stubby Antenna**

■ KMC-72W Noise-cancelling

Speaker Microphone (IP54/55/67)

■ KMC-70M

Speaker Microphone with Active Noise Reduction (IP54/55/67)

■ KBH-11 **BELT CLIP**

Intrinsically Safe Batteries are also available. Contact your local KENWOOD dealer for details.





Choose between two portable configurations one without a numeric keypad and the other with numeric keypad (16-key model).



NX-5700/5800/5900

NEXEDGE VHF/UHF/700-800MHz MUITI-PROTOCOL DIGITAL & ANALOG MOBILE RADIOS

GENERAL FEATURES

- Multi-Digital + FM Analog Operation
 - •Gen2 & NXDN Type-C Trunked Operation
 - •NXDN Conventional Operation
 - •DMR Tier 2 Conventional
 - •DMR Tier 3 Trunking
 - •P25 Conventional/Trunking (Phase 1/Phase 2)
 - •FM Analog Conventional & LTR Zones
- Large, Color 2.55" (154 x 422 pixel) **TFT Display**
- Easy-to-follow GUI and Multi-line Text Display
- Speaker Audio: 4 W/4 Ω : 3 W/4 Ω for the Remote Control Head

- 6 Front PF keys & 4 Up / Down Selectors
- Emergency Button
- FleetSync®/II, MDC-1200, QT/DQT, 2-Tone (Analog mode)
- Maximum Channels per radio = 1,024 (up to 4,000 channels with options)
- Number of Zones = 128
- Maximum Number of P25 Trunked Group ID's = 512 per system
- Maximum Number of P25 Conventional Talkgroup ID's = 1,500
- Frequency Range
 - •VHF: 136-174 MHz (NX-5700/5700B)

- •UHF: 450-520 MHz, 380-470 MHz (NX-5800/5800B)
- •700-800 MHz:

RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz (NX-5900/5900B)

- RF Output
 - •VHF: 50-5 W (NX-5700/5700B)
 - •UHF: 45-5 W (NX-5800/5800B)
 - •700 MHz: 30-2 W (NX-5900/5900B)
 - •800 MHz: 35-2 W (NX-5900/5900B)

OPTIONAL ACCESSORIES

■ NX-5700B/5800B/5900B RF DECK

■ KCH-19 BASIC CONTROL **HEAD KIT**



■ KCH-20R FEATURED CONTROL **HFAD**







CONTROL HEAD REMOTE KIT (Adapter for the RF Deck)

REMOTE CONTROL CABLE



(Available in 3 lengths of 5.2 m, 7.6 m, 0.5 m)

■ KCT-71

■ KCT-72 EXTERNAL ACCESSORY CONNECTIONCABLE FOR THE KCH-19/20R



- **KWD-AE30/AE31** SECURE CRYPTOGRAPHIC MODULE
- **KPG-180AP** OTAP MANAGER (PC Software)







■ KES-5A EXTERNAL SPEAKER (40 W max input, Requires KCT-72M to connect to Remote Control Head)

■ KCT-23 DC POWER CABLE M: 10 ft (3 m) / M3: 23 ft (7 m)





■ KCT-46 **IGNITION SENSE CABLE**

■ KLF-2 LINE FILTER

■ KMB-10 KEY LOCK ADAPTER

■ KAP-2 HORN ALERT/P.A. RELAY UNIT

■ KRA-40G **GPS ACTIVE ANTENNA**

■ KPS-15 DC POWER SUPPLY (23 A max)







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.



SPECIFICATIONS

| | | | Portable Radios | | | Mobile Radios | | |
|--|---------------------------------|--|--|---|--|--|---|--|
| ENERAL | | NX-5200 | NX-5300 | NX-5400 | NX-5700 | NX-5800 | NX-5900 | |
| equency Range | | 136-174 MHz | Type 1: 450-520 MHz Type 2: 380-470 MHz | RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz | 136-174 MHz | Type 1: 450-520 MHz Type 2: 380-470 MHz | RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz | |
| lax. Channels Per Radio | | | | 1,024 (Up to | 4,000 channels with option |) | | |
| umber of Zones | | | | | 128 | | | |
| ax. # of P25 Trunked Group ID's | ; | | | | 512 | | | |
| lax. # of P25 Conv. Talkgroup ID' | 's | | | | 1,500 | | | |
| hannel Spacing | Analog | 12.5/15/20/25*/30* kHz | 12.5/25* kHz | 12.5/25 kHz | 12.5/15/20/25*/30* kHz | 12.5/25* kHz | 12.5/25 kHz | |
| | Digital | 6.25/12.5 kHz | 6.25/12.5 kHz | 12.5 kHz (6.25 kHz) | | 6.25/12.5 kHz | | |
| ower Supply | | 7.5 V DC ±20 % | | | 13.6 V DC ±15 % | | | |
| Current Drain | Standby | | | | 0.45 A | | | |
| | RX | _ | | | 2.3 A | | | |
| | TX | | | | 13 A | | | |
| attery Life | KNB-L1 (2,000 mAh) | | 10 hours / 6.5 hours | | | | | |
| -5-90/10-10-80 duty cycle) | KNB-L2 (2,600 mAh) | 12.5 hours / 8.5 hours | | | _ | | | |
| | KNB-11 (3,900 mAh) | 19.5 hours / 13 hours | | | | | | |
| | KBP-8M2 (w/AA x12) | High Power: Approx. 11 hours / 8 hours, | | | | | | |
| | NDC-OIVIZ (W/AA X I Z) | Low F | Power: Approx. 26 hours / 18 | hours | | | | |
| perating Temperature | | | | -22° F to + | 140 °F (-30 °C to +60 °C) | | | |
| equency Stability | | | ±0.5 ppm | | ±0.5 ppm | | | |
| mensions (W x H x D) | Radio w / Control Head (KCH-19) | | - | | 6.69 x 1.89 x 6.93 in (| 170.0 x 48.0 x 176.0 mm) | 6.73 x 1.89 x 7.72 in (171.0 x 48.0 x 196 mm | |
| | KNB-L1 (2,000 mAh) | 2.28 x 5.47 x 1.44 in (58.0 x 138.9 x 36.5 mm) | | | | | | |
| imensions (W x H x D) | KNB-L2 (2,600 mAh) | 2.28 x 5. | 2.28 x 5.47 x 1.56 in (58.0 x 138.9 x 39.5 mm) | | | | | |
| adio w/ Battery, | KNB-L11 (3,900 mAh) | 2.28 x 5.47 x 1.85 in (58.0 x 138.9 x 46.9 mm) | | | = | | | |
| ojections Not Included | KBP-8M2 (w/AA x12) | 2.64 x 8.59 x 2.12 in (67.0 x 218.3 x 53.9 mm) | | | = | | | |
| Veight (Net) Radio w / Control Head (KCH | | _ | | | 3.53 lbs (1.6 kg) | | | |
| | KNB-L1 (2,000 mAh) | 13.5 oz (382 g) | | | _ | | | |
| eight (Net) | KNB-L2 (2,600 mAh) | 14.3 oz (406 g) | | | _ | | | |
| adio w/ Battery | KNB-L11 (3,900 mAh) | 17.0 oz (481 g) | | | _ | | | |
| | KBP-8M2 (w/AA x12) | 25.1 oz (712 g) | | | | | | |
| | Type 1 | K44431400 | K44431500 | ALH442000 | K44471100 | K44471200 | K44478500 | |
| CC ID | Type 2 | | K44431501 | | _ | K44471201 | | |
| | Type 1 | 282F-431400 | _ | 282D-442000 | 282F-471100 | _ | 282F-478500 | |
| Certification | Type 2 | | 282F-431501 | | _ | 282F-471201 | | |
| CEIVER | type 2 | NX-5200 | NX-5300 | NX-5400 | NX-5700 | NX-5800 | NX-5900 | |
| nsitivity | NXDN 6.25 kHz Digital (3 % BER) | 0.20 µV | | | | | | |
| i startey | NXDN 12.5 kHz Digital (3 % BER) | | | | 0.25 µV | | | |
| | DMR Digital (5% BER) | 0.25 µV | | | | | | |
| | DMR Digital (1% BER) | 0.40 µV | | | | | | |
| | P25 Digital (5 % BER) | 0.25 µV | | | | | | |
| | P25 Digital (1 % BER) | 0.40 µV | | | | | | |
| | Analog (12 dB SINAD) | 0.40 pV 0.25 pV | | | | | | |
| Selectivity | Analog @ 12.5 kHz | 67 | 67 dB 64 dB | | | 71 dB 70 dB | | |
| | Analog @ 25 kHz | | 73 dB | | | 1 dB | 78 dB | |
| termodulation | | 73 dB | | i dB | | 80 dB | . = == | |
| ourious Rejection | | 80 dB 75 dB | | 85 dB | | | | |
| Audio Distortion | | 3 % | | | 2 % | | | |
| Audio Output Power | | 500 mW/8 Ω (3 % Distortion) / 1,000 mW /8 Ω (5 % Distortion) | | | 4 W/4 Ω (Remote Control Head: 3 W/4 Ω) | | | |
| ANSMITTER | | NX-5200 | NX-5300 | NX-5400 | NX-5700 | NX-5800 | NX-5900 | |
| Power Output Power | | 6 to 1 W | 5 to 1 W | 3 to 1 W | 50 to 5 W | 45 to 5 W | 30 to 2 W (700 MHz) 35 to 2 W (800 MHz) | |
| ourious Emission | | | -70 dB | | -73 dB | -75 dB | -80 dB | |
| | Analog @ 12.5 kHz | 40 dB | | | 5 dB | 40 dB | | |
| | Androg & IZ.J KIIZ | | | | | | | |
| | Analog @ 25 kHz | | 45 AD | | | U YB | 45 AD | |
| M Hum & Noise | Analog @ 25 kHz | | 45 dB | | 2 % | 0 dB | 45 dB | |

^{*25} and 30 kHz are not included in the models sold in the USA or US territories. **800MHz band only for NX-5400 and NX-5900.

P25 Digital measurements made per TIA 102CAAA, TIA-102, EIA-102, and NXDN. Analog measurements made per EN Standards or TIA 603 and specifications shown are typical. Specifications are subject change without notice, due to advancements in technology.

APPLICABLE MIL-STD & IP

| MIL Standard | 810C Methods/ Procedures | 810D Methods/ Procedures | 810E Methods/ Procedures | 810F Methods/ Procedures | 810G Methods/ Procedures | | | | |
|------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|--|--|--|
| Low Pressure | 500.1/1 | 500.2/ I, II | 500.3/ I, II | 500.4/ I, II | 500.5/ I, II | | | | |
| High Temperature | 501.1/I, II | 501.2/ I, II | 501.3/ I, II | 501.4/ I, II | 501.5/ I, II | | | | |
| Low Temperature | 502.1/1 | 502.2/ I, II | 502.3/ I, II | 502.4/ I, II | 502.5/ I, II | | | | |
| Temp. Shock | 503.1/1 | 503.2/1 | 503.3/ I | 503.4/ I, II | 503.5/1 | | | | |
| Solar Radiation | 505.1/1 | 505.2/1 | 505.3/ I | 505.4/1 | 505.5/1 | | | | |
| Rain | 506.1/I, II | 506.2/ I, II | 506.3/ I, II | 506.4/ I, III | 506.5/ I, III | | | | |
| Humidity | 507.1/I, II | 507.2/ II, III | 507.3/ II, III | 507.4 | 507.5/ II | | | | |
| Salt Fog | 509.1/1 | 509.2/1 | 509.3/ I | 509.4 | 509.5 | | | | |
| Dust | 510.1/1 | 510.2/ I | 510.3/ I | 510.4/ I, III | 510.5/ I | | | | |
| Vibration | 514.2/ VIII, X | 514.3/ I | 514.4/ I | 514.5/1 | 514.6/1 | | | | |
| Shock | 516.2/ I, II, V | 516.3/ I, IV, V*1 | 516.4/ I, IV, V*1 | 516.5/ I, IV, V*1 | 516.6/ I, IV, V*1 | | | | |
| Immersion*2 | _ | _ | _ | 512.4/I | 512.5/I | | | | |
| International Protection Sta | andard | | | | | | | | |
| Dust & Water | IP54, IP55*3 | IP54, IP55*3 | | | | | | | |
| Immersion*2 | IP67 IP68*4 | IP67 IP68*4 | | | | | | | |

^{*1:} Shock (Crash Hazard) standard for 810D/E/F/G Method/Procedure V applies only for the mobile radios *2: Immersion standard applies only for the portable radios *3: IP54: RF Deck of the mobile radio; IP55: Remote Control Head for the mobile radio *4: Conditions: Portable radio immersed for 2 hours at a depth of 1 meter

JVCKENWOOD USA Corporation

Communications Sector Headquarters 1440 Corporate Drive | Irving, TX 75038

Order Administration/Distribution

4001 Worsham Ave. | Long Beach, CA 90808 www.kenwood.com/usa

JVCKENWOOD Canada Inc.

Canadian Headquarters and Distribution 6685 Millcreek Drive, Unit 8, Mississauga, ON L5N 5M5

www.kenwood.com/ca



[•] The Bluetooth word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. ● SD and microSD are trademarks of SD-3C, LLC in the United States, and/or other countries ● AMBE+2TM is a trademark of Digital Voice Systems Inc. ● Windows® is a registered trademark of Microsoft Corporation. ● DMR logo is property of DMR Association Ltd. ● NXDNTM is a trademark of JVCKENWOOD Corporation and Icom Inc. ● NEXEDGE® is a registered trademark of JVCKENWOOD Corporation. ● FleetSync® is a registered trademark of JVCKENWOOD Corporation.