



Mississippi EPL 3744 Price Pages

KENWOOD

LAND MOBILE RADIO PRICE GUIDE October 2023 Edition



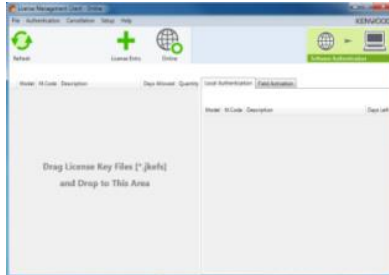
LMR EPL Updates in October 2023 Edition

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KPT-300LMC

License Management Client

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■ KPT-300LMC System Requirements

- Operating system: Windows Vista, 7, 8, 8.1, & 10
- CPU: Follow operating system requirement
- Memory: Follow operating system requirement
- 2GB disk storage space or more
- WXGA (1280 x 768) or larger display
- IBM PC/AT compatible
- Microsoft .NET Framework 4.5 or 4.6
- USB port necessary for USB offline authentication

• Minimum of one workstation with internet access is required to connect to Kenwood License authentication server.

STANDARD

■ GENERAL FEATURES

• **Kenwood Software Authentication Tool**
KPT-300LMC is a mandatory software package to securely authenticate Kenwood radio programming tool, software, and radio feature licenses.

• **Radio Feature Activation**
KPT-300LMC allows dealership driven radio function update of Kenwood digital radios at your own pace. Provides greater flexibility of dealerships' radio inventory to switch to different digital modes or expand radio capability when needed.

• **Account-wide Radio License Control**
KPT-300LMC provides secure account control with account registration mechanism. Under same account, multiple work stations can access to the purchased Radio Feature license pool to activate licenses to radios.

• **Online and off the network authentication**
KPT-300LMC requires online authentication but also offers off the network authentication method in case of needing field authentication where network connectivity may be difficult.

For further details, download KPT-300LMC from MyTools > Product > Software. By installing the software, you will find detailed operation and

■ Applicable Radio Feature Licenses

- NX-5x00 series portable & mobile
- NX-5x00S series portable & mobile
- NX-3x00 series portable
- NX-3x20 series portable & mobile
- NX-1x00 series portable
- NX-P1x00 series portable

■ Applicable System Software

- NXDN Type-C Gen2 Trunking System
- DMR Tier 2 & Tier 3 IP Gateway

■ Applicable Programming Software

- KPG-D1/D1N (NX-5x00/5x00S)
- KPG-D2/D2N (NXR-5000)
- KPG-D3/D3N (NX-3x00/3x20)
- KPG-D5 (NX-P500)
- KPG-D6/D6N (NX-1x00/NX-P1x00)

■ Applicable Software Application

- For various radio series
- KAS-20 AVL & Dispatch Software

- For NX-5x00/5x00S/3x00/3x20 series
- KPG-AE1 Software AES Keyloader
 - KPG-DE1 Software DES Keyloader
 - KPG-180AP OTAP Management Software

- For NX-5x00/5x00S series
- KAS-12 Battery Reader

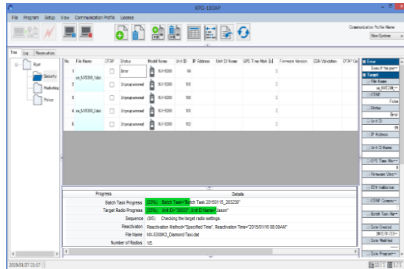
LICENSING SYSTEM		EPL	LIST
KPT-300LMC	License Management Client (downloadable from MyTools website)	NC	NC
L-5000	KPT-300LMC Account Registration Key Note: Must submit "KPT-300LMC - Account Request Form" to Land Mobile Order Desk. Please find and download form from KENWOOD MyTools website > Product > Forms	NC	NC
Optional Offline Authentication Key		EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License Note: - Must purchase Radio Feature Licenses separately. - Can be used with only one (1) KPT-300LMC Account Registration Key. - Requires KPT-300LMC V1.10 or higher. - Cancellation rule is different from standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB. Warranty Information: - Damaged USB License Storage "KWD-OFL-USB" a. Remaining Licenses will not be warranted. b. Licenses not uploaded to the License Management Server will not be warranted.	181.87	242.50



KPG-180AP

OTAP Management Software

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■ KPG-180AP System Requirements

- Operating system: Windows 7, 8, 8.1, & 10
- CPU: Follow operating system requirement
- Memory: Follow operating system requirement
- 200MB disk storage space or more
- WXGA (1280 x 768) or larger display
- Microsoft .NET Framework 4.5.2 or 4.6.x
- LAN port (supporting 10BASE-T or later standard)
- USB port necessary for base radio setup
- Workstation is recommended to have internet access to connect to Kenwood License authentication server. Offline Authentication is also available.

STANDARD

■ GENERAL FEATURES

- **Over-the-air Programming**
KPG-180AP manages Over-the-air programming procedure using various transmission methods via base radio or direct IP connection to two-way radio system.
- **Multi-system and Multi-protocol Support**
KPG-180AP supports up to 16 unique two way radios systems from P25¹, NXDN Conventional, NXDN Trunking, DMR Tier 2 Conventional, and DMR Tier 3 Trunking systems allowing dealerships or administrators to manage fleets across multiple systems from single software tool.
- **100,000 manageable field units**
KPG-180AP supports up to 100,000 field units and multiple programming templates.
- **Smart & Time Efficient Data Transmission**
KPG-180AP tracks the change made to radio program data. Upon transmitting over-the-air, KPG-180AP automatically selects the changed portion of program data and minimize the transmitting data so to keep traffic low and fast.
- **ESN Validation**
- **OTAP Batch Task Scheduling**
- **Various Program File Activation Methods**
(Auto apply, Next power on, User operation, time, etc)

■ Applicable Target Radios

- NX-5x00 series portable & mobile
- NX-5x00S series portable & mobile
- NX-3x00 series portable
- NX-3x20 series portable & mobile

■ Applicable Base Radios

- NX-5x00 series mobile
- NX-5x00S series mobile
- NX-3x20 series mobile

■ Applicable Base Radio Protocols

- NXDN Conventional
- NXDN Type-C Trunking and Gen2 Trunking
- Kenwood DMR Tier 2 Conventional
- Kairos DMR Tier 3 Trunking
- P25 Conventional (Radio to Radio)

■ Applicable direct IP connection

- NXDN Conventional system
- NXDN Type-C Trunking and Gen2 system
- Kairos DMR Tier 2 Conventional system
- Kairos DMR Tier 3 Trunked system
- Tait DMR Tier 3 Trunked system

Note: Support for encryption options depends on either the base radio configuration or the IP connection settings. Please check the Basic Operations and Function Reference Manuals to determine availability

OVER THE AIR PROGRAMMING (OTAP)		EPL	LIST
KPG-180AP	OTAP Manager Software (Windows® 7/8/8.1/10) License includes: Software manages up to fifty(50) radio program files, one communication profile for each NXDN serial connection, DMR serial connection, NXDN Type-C IP, and DMR AIS IP connection Note: For each additional serial connected base radio or IP connected RF system, one additional communication profile is required. Note: Requires KPT-300LMC for license authentication	715.50	954.00
FLEET RADIO EXPANSION UPGRADES		EPL	LIST
KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1350.00	1800.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2362.50	3150.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3375.00	4500.00
ADDITIONAL RADIO SYSTEM PROFILES		EPL	LIST
KWD-AP1-CA	Additional NXDN Base Radio License will allow user to add <u>One Base radio</u> for either NXDN Conventional, NXDN Type-C Trunking, or Gen2 Trunking	202.50	270.00
KWD-AP2-CP	Additional IP Connected NXDN System License will allow user to add <u>One IP connected RF system</u> for either NXDN Conventional, NXDN Type-C Trunking, or Gen2 Trunking	337.50	450.00
KWD-AP3-P25	Additional P25 Conventional Base Radio License will allow user to add <u>One Base radio</u> for P25 conventional radio to radio over-the-air reprogramming	648.00	864.00
KWD-AP4-DA	Additional DMR Base Radio License will allow user to add <u>One Base radio</u> for either Kenwood DMR Tier 2 Conventional, or Kairos DMR Tier 3 Trunking	202.50	270.00
KWD-AP5-DP	Additional IP Connected DMR System License will allow user to add <u>One IP connected RF system</u> for Kairos DMR Tier 2 Conventional, Kairos DMR Tier 3 Trunking, or Tait Tier 3 Trunking Systems	337.50	450.00



NX-5200/5300

VHF/UHF Digital & FM Analog Portable Radios

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<Standard Key Model > <Full Key Model >

All NX-5000 series portables include:

- Belt Clip (KBH-11)
- Universal Connector Cap
- User Guide
- Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

*Note:

1. To meet IP grades and MIL, the universal connector cap or KENWOOD official accessory must be installed/connected.
2. To maintain immersion specs (IP67/68), all warranty service must be done by one of the three National Kenwood Authorized Service Centers. IP67/68 Certification is valid under the 3 year premium warranty. No re-certification is available.

Because of spurious signal (birdie), the following frequencies (and ± 10 kHz ranges) are not allowed;

- | | | |
|------------|------------|------------|
| • 144.0000 | • 384.0000 | • 460.8000 |
| • 147.4560 | • 403.2000 | • 480.0000 |
| • 153.6000 | • 422.4000 | • 499.2000 |
| • 172.0325 | • 432.0000 | • 518.4000 |
| • 172.8000 | • 441.6000 | |

Approved by CSA-us International Inc. for Classes I, II & III, Div. 1, Groups D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C hazardous locations.

Note: Environmental conditions are less than 32°F (0°C), KENWOOD carrying cases must be used.

STANDARD

■ GENERAL FEATURES

- 6 W (136-174 MHz) Models
- 5 W (380-470, 450-520 MHz) Models
- 1024 CH-GID / 128 Zones
- Standard Key Models (w/o numeric keypad)
- Full Key Models (w/ numeric keypad)
- Full Color 1.74" (240 x 180 pixels) Transflective TFT Display
- Multi-line Text Display
- Function/Status Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 16-Position Mechanical Selector (w/ a stopper)
- 4-way Directional-pad (D-pad)
- 2 Position Lever Switch
- Emergency/AUX Key
- 3 Side PF Keys
- 1W Speaker Audio
- Multi Digital Protocol ¹
- Emergency Call Features
- Built-in GPS Receiver / Antenna
- Built-in Bluetooth® 4.0 Module
- Built-in Motion Sensor
- Built-in 56-bit DES Encryption (4 keys programmable by KPG-D1(N)K)
- Active Noise Reduction (ANR)
- KPG-D1N Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP67/68 Immersion
- Color Housing Option
- Digital Encode/Decode Format

■ DIGITAL – P25 MODE

- P25 Conventional Option
- P25 Phase 1 Trunking Option
- P25 Phase 2 Trunking Option
- Conv/Trunking OTAR Option
- Conventional Voting Scan Option
- Packet Data Option for P25 OTAR & GPS
- Text Data
- Radio Authentication
- Tone Paging
- ARC4 Encryption Option

1. Multi Digital Protocol can be used for two(2) of the three(3) Digital Protocols set by programming software. P25/DMR Digital Protocols are options.

OPTIONAL FEATURES

■ GENERAL FEATURES

- 4000 Channel (KWD-5000CH)
- Front Panel Programming (KWD-5001FP)
- microSD/microSDHC Memory Card Slot (KWD-5002SD)
- Built-in Bluetooth® Module for Data (KWD-5003BT)
- Remote Control Commands by Subscriber Units (KWD-5007RC)
- 256-bit AES Encryption (KWD-AE30K/31K Encryption Module required)
- Battery Management Solution (KSC-Y32K Charger & KAS-12K Software License Key required)

■ DIGITAL – P25 MODE

- Conventional Features (KWD-5100CV)
- Phase 1 Trunking Features (KWD-5100CV & 5101TR)
- Phase 2 Trunking Features (KWD-5100CV & 5101TR & 5102TR)
- Conventional OTAR (KWD-5103RK)
- Trunking OTAR (KWD-5103RK & 5106DT)
- Conventional Voting Scan (KWD-5105VT)
- Packet Data required for Trunked OTAR/GPS (KWD-5106DT)
- P25 ARC4 Encryption (KWD-5107EE)
- Link Layer Authentication (KWD-5100CV & KWD-5101TR & KWD-AE3x Encryption Board Required)

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional Features (KWD-5300CV)
- DMR Tier 3 Trunking Features (KWD-5300CV & KWD-5301TR)

■ DIGITAL – NXDN® MODE

- NXDN® Conventional / TYPE-C (Gen1/Gen2) Trunking
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Digital Two-Tone
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™ VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption Optional
- Site Roaming

■ ANALOG MODE

- Conventional Zones
- LTR® Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF
- Built-in Voice Inversion Scrambler



NX-5200/5300

VHF/UHF Digital & FM Analog Portable Radios

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RADIO		EPL	LIST
Standard Key Models			
NX-5200K2	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
NX-5300K2	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
NX-5300K5	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
Full Key Models			
NX-5200K3	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00
NX-5300K3	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00
NX-5300K6	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00
CSA US APPROVED MODELS			
Must Order L-5039 & "KNB-LS5CU or KNB-LS7M" Intrinsically Safe Battery per radio <i>*Note: microSD card is not allowed to use as Intrinsically Safe Option.</i>			
NX-5200-ISCK2	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
NX-5200-ISCK3	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00
NX-5300-ISCK2	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
NX-5300-ISCK3	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00
NX-5300-ISCK5	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
NX-5300-ISCK6	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- **FPU & Software Applications:** Software License Key Request Form

- **Radio Feature Licenses:** Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

General Radio Features		EPL	LIST
KWD-5000CH	License Key for 4000 Channel Expansion	340.27	453.70
KWD-5001FP	License Key for Front Panel Programming	243.00	324.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	84.97	113.30
KWD-5003BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80
KWD-5007RC	License Key for Remote Control by Subscriber Units Note: - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	32.40	43.20
P25 Radio Features		EPL	LIST
KWD-5100CV	License Key for P25 Conventional	465.75	621.00
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV) Note: Required for Link Layer Authentication	421.27	561.70
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	324.00	432.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	567.00	756.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	97.27	129.70
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	145.72	194.30
KWD-5107EE	License Key for P25 ARC4 Enhanced Encryption	NC	NC
DMR Radio Features		EPL	LIST
KWD-5300CV	License Key for DMR Tier 2 Conventional	48.60	64.80
KWD-5301TR	License Key for DMR Tier 3 Trunking (requires KWD-5300CV)	108.00	144.00
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20

NEXEDGE®



NX-5200/5300

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VHF/UHF Digital & FM Analog Portable Radios

ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	15.00	20.00
KRA-26M2	VHF helical antenna 162-174 MHz	15.00	20.00
KRA-26M3	VHF helical antenna 136-150 MHz	15.00	20.00
KRA-27M	UHF whip antenna 440-490 MHz	15.00	20.00
KRA-27M2	UHF whip antenna 470-520 MHz	15.00	20.00
KRA-27M3	UHF whip antenna 400-450 MHz	15.00	20.00
KRA-22M	VHF low-profile helical antenna 148-162 MHz	15.00	20.00
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	15.00	20.00
KRA-22M3	VHF low-profile helical antenna 136-150 MHz	15.00	20.00
KRA-23M	UHF low-profile helical antenna 450-490 MHz	15.00	20.00
KRA-23M2	UHF low-profile helical antenna 470-520 MHz	15.00	20.00
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	15.00	20.00
KRA-41M	VHF stubby antenna 148-162 MHz	12.52	16.70
KRA-41M2	VHF stubby antenna 162-174 MHz	12.52	16.70
KRA-41M3	VHF stubby antenna 136-150 MHz	12.52	16.70
KRA-42M	UHF stubby antenna 440-490 MHz	12.52	16.70
KRA-42M2	UHF stubby antenna 470-520 MHz	12.52	16.70
KRA-42M3	UHF stubby antenna 403-430 MHz	12.52	16.70
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	31.35	41.80
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	38.40	51.20
KRA-29	Broad Band UHF Whip Antenna 380-430 MHz	33.60	44.80
BATTERIES AND CHARGERS		EPL	LIST
*All of batteries listed below except KBP-8M2 is compatible with IP67/68 when it is used with a radio.			
KNB-L1M	Li-ion 2000mAh (Compact Slim)	108.00	144.00
KNB-L2M	Li-ion 2600mAh (Standard)	126.75	169.00
KNB-L3M	Li-ion 3400mAh (High Capacity)	164.02	218.70
KNB-LS5CU	CSA US Intrinsically Safe Battery Li-ion 2000mAh	190.87	254.50
	Note: Due to the I.S. circuitry on the KNB-LS5CU, the cells may lose charge during storage. To prevent loss of capacity during storage, charge the battery for 10 minutes at least every 4 months with the KSC-32, KSC-Y32K, KSC-52BK, KSC-326K, KSC-326AK or KSC-526K. [Intrinsically Safe Option]		

 NX-5200/5300 VHF/UHF Digital & FM Analog Portable Radios		Table of Contents	
KNB-LS7M	CSA US Intrinsically Safe Battery Li-ion 3800mAh Note: Due to the I.S. circuitry on the KNB-LS7M, the cells may lose charge during storage. To prevent loss of capacity during storage, charge the battery for 10 minutes at least every 4 months with the KSC-32, KSC-Y32K, KSC-52BK, KSC-326K, KSC-326AK or KSC-526K. [Intrinsically Safe Option]	274.50	366.00
KBP-8M2	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. Note: The color of the case is International Orange.	107.45	143.20
Single Unit Desk Chargers			
KSC-Y32K	Rapid rate single unit charger (Long-Life Charge Mode capable with KAS-12 Software)	116.40	155.20
KSC-52BK	Rapid rate single unit charger	72.97	97.30
6 Unit Chargers			
KSC-526K	Rapid rate 6-unit charger CEC Compliant Note: Requires charging pocket KSC-52PBW and/or KSC-52PCW	617.85	823.80
KSC-52PBW	Charging pocket for KSC-526K compatible with NX-5000 series, NX-205/305 and NX-210	8.10	10.80
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK Note: NOT compatible with KSC-526K	54.60	72.80
Vehicle Chargers/Adapters			
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter) Note: NOT compatible with KSC-52BK	144.75	193.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	274.50	366.00
BATTERY READER		EPL	LIST
KAS-12K	License Key for KAS-12 Battery Reader Software for KNB-L1/2/3/N4/LS5/LS7 & KSC-Y32 (Windows® Vista/7/8/8.1/10) Note: Requires KPT-300LMC for authentication	68.85	91.80
KAS-12PRO	Add Battery Management with Database Requires KAS-12K base license for upgrade Note: Requires KPT-300LMC for authentication	283.50	378.00
CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	13.35	17.80
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	20.10	26.80
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case	33.60	44.80
KLH-200K3	Heavy duty leather carrying case for NX-5000 series with KNB-L1/L2/L3/LS5CU (for both keypad models)	40.35	53.80
KLH-201K3	Nylon carrying case for NX-5000-series with KNB-L1/L2/L3/LS5CU (for both keypad models)	24.00	32.00
SPECIAL COLOR HOUSING		EPL	LIST
KWD-YH-5000	Yellow Housing Kit for NX-5000 series Portables (Standard Key Model K2/K5 Only) Order L-5024 for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood.) Note: If you order only housing and perform EPL Installation, IP67/68 Warranty Claim will not be eligible.	36.60	48.80
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
*IP grades for microphones and audio accessories are decided by each item.			
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with Active Noise Reduction Note: IP68 is available only when used with NX-5000 series portable [Intrinsically Safe Option]	118.72	158.30
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic [Intrinsically Safe Option]	91.27	121.70
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector Note: 5/16" Coax cable hex wrench included (antenna is not included). [Intrinsically Safe Option]	337.50	450.00

 NX-5200/5300 VHF/UHF Digital & FM Analog Portable Radios		Table of Contents	
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics [Intrinsically Safe Option]	50.77	67.70
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic [Intrinsically Safe Option]	50.77	67.70
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) [Intrinsically Safe Option]	209.10	278.80
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) [Intrinsically Safe Option]	152.70	202.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) Note: NOT compatible with TDMA operations [Intrinsically Safe Option]	193.35	257.80
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT Note: NOT compatible with TDMA operations [Intrinsically Safe Option]	133.27	177.70
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT [Intrinsically Safe Option]	407.10	542.80
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT [Intrinsically Safe Option]	356.47	475.30
ENCRIPTION & OPTION MODULES		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-5003 if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform EPL Installation, IP67/68 Warranty Claim will not be eligible.) KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). Note: Required for Link Layer Authentication [Intrinsically Safe Option]. Must be Kenwood installed for L.S.	775.50	1034.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-5004 if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform EPL Installation, IP67/68 Warranty Claim will not be eligible.) Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Note: Required for Link Layer Authentication [Intrinsically Safe Option]. Must be Kenwood installed for L.S.	502.65	670.20
KCT-48VU	External Vibration Unit Note: Audio accessories cannot be used when this option installed. KCT-48VU does not support the P25 digital mode calling or paging features [Intrinsically Safe Option]	77.77	103.70
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	442.65	590.20
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required	297.60	396.80
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D1NK	License Key for KPG-D1NK Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1/10) Note: Requires KPT-300LMC for authentication P25 Trunked Programming Capability (licensed by either 1 or 2 below): 1. USB Key Type: Advanced System Key (ASK)- See KWD-ASK-MK and AK • For NX-5000 series radios. • KWD-ASK-MK (Master Key): For trunked system operator (SYSOP). Required for activating KWD-ASK-AK Access keys. Securely embeds/encrypts the HSID. • KWD-ASK-AK (Access Key): For EPLs/contractors. Activated by KWD-ASK-MK Master Key. • KPG-D1NK supports up to 16 KWD-ASK-AK Access Keys (16 trunked networks). 2. Software Key Type: System Key File (SKF)- See L-5005 • For NX-5000 series radios. • 3-digit HEX System ID (HSID) with verifiable written authorization required from SYSOP. • Utilized by both SYSOPs and EPLs/Contractors. But EPLs/Contractors must be permitted from SYSOP to order and use SKF. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • The *.SKF securely embeds/encrypts the HSID.	125.47	167.30
KPG-36XM	Full Speed USB Programming interface cable Note: This cable with USB mode may used for SD Card Direct Access.	144.75	193.00
KPG-93	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	255.15	340.20



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VHF/UHF Digital & FM Analog Portable Radios

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KPG-93AUT	KVL-4000 Radio Authentication Cable Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	320.10	426.80
KWD-ASK-AK	Access Key for KPG-D1NK P25 trunked programming Notes: Enables P25 Trunked system programming privileges in a KPG-D1NK. • For NX-5000 series only. • Must be activated by trunked system operator (SYSOP) with KWD-ASK-MK Master Key. • Must have KPG-D1NK. • Configurable expiration period of KWD-ASK-AK set by KWD-ASK-MK is available for 3 years for built in battery. USB Key must be replaced since the expiration set up dose not work after 3 years.	190.87	254.50

 NX-5200/5300 VHF/UHF Digital & FM Analog Portable Radios		Table of Contents	
KWD-ASK-MK	Master Key for activating KWD-ASK-AK Access Keys - Restricted Purchase Requirements - Notes: • For NX-5000 series only. • Sold to trunked system operator (SYSOP) or SYSOP authorized entities only • Must have KPG-D1NK. • SYSOP must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Purchase KWD-ASK-AK Access Keys if needed.	455.77	607.70
OPTIONAL CABLE FOR FOREST/FIRE SERVICES FEATURE SET (FSFS) OPTION			
KPG-CLN-14P	Portable-to-Portable Cloning Cable (14P:14P), 1m	205.72	274.30
INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28	129.70
L-5002	NX-5200/5300/5400 Programming (with basic TX/RX check) Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.	30.38	40.50
L-5003	Install KWD-AE30K in NX-5000 series Portable (Must purchase module separately)	60.75	81.00
L-5004	Install KWD-AE31K in NX-5000 series Portable (Must purchase module separately)	60.75	81.00
L-5005	KPG-D1NK System Key File (SKF) Note: Enables P25 Trunked system programming privileges in a KPG-D1NK. - Restricted Purchase Requirements - • Trunked system operator (SYSOP) must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Must have KPG-D1NK. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • Non-SYSOP entities ordering L-5005 must provide verifiable written authorization from SYSOP to receive an *.SKF file. • 3-digit HEX HSID are securely encrypted & embedded in the *.SKF file.	106.69	142.20
L-5024	Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	21.80	28.80
L-5039	Configure NX-5200/5300/5400 for CSA US Intrinsically Safe Must order KNB-LS5CU or KNB-LS7M I.S. battery	27.00	36.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	40.50	54.00
L-5077	FSFS++ Forest Service Feature Set - Factory Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning Note: Must purchase <u>per Radio</u> • This feature set is provided by custom firmware based on V4.21.00 firmware. • Feature set is applicable for analog conventional / P25 conventional modes only. • Feature set does not support mobile multi-deck configuration. • Feature set will not work with any other firmware options or customized firmware. • Custom firmware is not eligible for warranty compensation.	48.80	64.80
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning Note: Purchase per application - <u>provided as Custom FW for unlimited radios</u> <u>To PLACE AN ORDER</u> , submit "Kenwood LMR Customization Application" form along with your PO to Land Mobile Order Desk via email (LMRorderdesk@us.jvckenwood.com) or fax (310-761-8246). • This feature set is provided as custom firmware based on V4.21.00 firmware. • Feature set is applicable for analog conventional / P25 conventional modes only. • Feature set does not support Mobile multi-deck configuration. • Feature set will not work with any other firmware options or customized firmware. • Custom firmware is not eligible for warranty compensation.	1134.00	1512.00



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-- IMPORTANT NOTES regarding ENCRYPTION MODULES--

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, EPLship, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.

KWD-AE30 AES FIPS140-2 SCM , NIST Validation & Customer Shipping

A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a EPL or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE30K modules to erroneous destinations specified on an order.



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VHF/UHF Digital & FM Analog Portable Radios



Basic Standard Key Full Key

All NX-3000 series portables include:

- Belt Clip (KBH-11)
- Accessory Cover
- Channel Stopper
- User Guide
- Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

*Note:

1. To meet IP grades and MIL, the universal connector cap or KENWOOD official accessory must be installed/connected.
2. To maintain immersion specs (IP67), all warranty service must be done by National Kenwood Authorized Service Centers. IP67 Certification is valid under the 3 year premium warranty. No re-certification is available.

Because of spurious signal (birdie), the following frequencies (and $\pm 7.5\text{kHz}$ ranges) are not allowed ;

- | | | |
|------------|------------|------------|
| • 139.2000 | • 403.2000 | • 460.8000 |
| • 144.0000 | • 408.0000 | • 465.6000 |
| • 148.8000 | • 412.8000 | • 470.4000 |
| • 153.6000 | • 417.6000 | • 475.2000 |
| • 158.4000 | • 422.4000 | • 480.0000 |
| • 160.0000 | • 427.2000 | • 484.8000 |
| • 163.2000 | • 432.0000 | • 489.6000 |
| • 168.0000 | • 436.8000 | • 494.4000 |
| • 172.8000 | • 441.6000 | • 499.2000 |
| | • 446.4000 | • 504.0000 |
| | • 451.2000 | • 508.8000 |
| | • 456.0000 | • 513.6000 |
| | | • 518.4000 |

STANDARD

■ GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-520 MHz) Models
- 512 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (For Basic Models)
- Basic Models (w/o LCD and keypad)
- Standard Keypad Models (w/ LCD and D-pad/4key)
- Full Keypad Models (w/ LCD and D-pad/12 key)
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide)
- 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- 7-color Light Bar Indicator
- Transmit/Busy/Call Alert/Warn LED
- Remote Stun/Kill/Check
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 4-way Directional-pad (For Standard/Full Keypad)
- Emergency Key
- 2 Side PF Keys
- 1W Speaker Audio
- Dual Digital Protocol¹
- Emergency Call Features
- Built-in GPS Receiver / Antenna
- Built-in Bluetooth® 4.0 Module
- Built-in Motion Sensor
- Active Noise Reduction (ANR)
- KPG-D3N Windows® FPU
- Flash Firmware Upgrading
- Optional Software-based DES and AES . Encryptions (Digital Only)
- MIL-STD-810 C/D/E/F/G
- IP54/55² Water & Dust Intrusion
- IP67² Immersion
- Digital Encode/Decode Format

1. Designed to operate digital, DMR OR NXDN, along with analog FM; a single FM digital protocol is selected with programming software.
2. Must equip **Accessory Cover** included with a Radio. Speaker Microphone does not cover IPs.

■ DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking Option
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Digital Two-Tone
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™ VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Site Roaming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption Option

■ ANALOG MODE

- Conventional Zones
- LTR® Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF
- Built-in Voice Inversion Scrambler

OPTIONAL FEATURES

- 1000 Channel (**KWD-3000CH**)
- Front Panel Programming (**KWD-3001FP**)
- Built-in Bluetooth® Module for Data (**KWD-3002BT**)
- Digital NXDN Trunking (**KWD-3501TR**)
- DMR Tier 2 Conventional (**Factory Installed**)
- DMR Tier 3 Trunking (**KWD-3302TR**)
- DMR ARC4 Enhanced Encryption (**KWD-3502EE**)
- AES/DES Encryption (**KWD-3503AE**)
- Remote Control Command by Subscriber Units (**KWD-3504RC**)

Approved by CSA-us International Inc. for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B hazardous locations.

RADIO		EPL	LIST
NX-3200K	VHF (136-174MHz), 5.0 Watts, 64 CH, Basic Model	540.00	720.00
NX-3200K2	VHF (136-174MHz), 5.0 Watts, 512 CH, Standard Key Model	585.98	781.30
NX-3200K3	VHF (136-174MHz), 5.0 Watts, 512 CH, Full Key Model	630.90	841.20
NX-3300K	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model	540.00	720.00
NX-3300K2	UHF (400-520MHz), 5.0 Watts, 512 CH, Standard Key Model	585.98	781.30
NX-3300K3	UHF (400-520MHz), 5.0 Watts, 512 CH, Full Key Model	630.90	841.20

		NX-3200/3300 VHF/UHF Digital & FM Analog Portable Radios		Table of Contents
Li-ion VALUE PACKAGES (Preferred for Trunked Mode Usage)		EPL	LIST	
NX-3200K2-XLKVP	VHF Extra-Cap Li-Ion Value Pack : NX-3200K2+KNB-78L(2860mAh)+KSC-25LSK+KRA-26M	765.23	1,020.30	
NX-3300K2-XLKVP	UHF Extra-Cap Li-Ion Value Pack : NX-3300K2+KNB-78L(2860mAh)+KSC-25LSK+KRA-27M	765.23	1,020.30	
Li-ion VALUE PACKAGES (Preferred for Conventional Mode Usage)		EPL	LIST	
NX-3200K2LAKVP	VHF Hi-Cap Li-Ion Value Pack : NX-3200K2+KNB-57LAM(2000mAh)+KSC-25LSK+KRA-26M	736.05	981.40	
NX-3300K2LAKVP	UHF Hi-Cap Li-Ion Value Pack : NX-3300K2+KNB-57LAM(2000mAh)+KSC-25LSK+KRA-27M	736.05	981.40	
NX-3200K2SLAKVP	VHF Li-Ion Value Pack : NX-3200K2+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-26M	702.83	937.10	
NX-3300K2SLAKVP	UHF Li-Ion Value Pack : NX-3300K2+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-27M	702.83	937.10	
CSA US APPROVED MODELS		EPL	LIST	
Must Order L-5062 & KNB-79LCM Intrinsically Safe Battery per radio				
NX-3200-ISCK	VHF (136-174MHz), 5.0 Watts, 64 CH, Basic Model	540.00	720.00	
NX-3200-ISCK2	VHF (136-174MHz), 5.0 Watts, 512 CH, Standard Key Model	585.98	781.30	
NX-3200-ISCK3	VHF (136-174MHz), 5.0 Watts, 512 CH, Full Key Model	630.90	841.20	
NX-3300-ISCK	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model	504.00	720.00	
NX-3300-ISCK2	UHF (400-520MHz), 5.0 Watts, 512 CH, Standard Key Model	585.98	781.30	
NX-3300-ISCK3	UHF (400-520MHz), 5.0 Watts, 512 CH, Full Key Model	630.90	841.20	
Note: KNB-68LC is NOT compatible for NX-3000 Intrinsically Safe usage.				
SOFTWARE LICENSING & RADIO FEATURE OPTIONS				
IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires KPT-300LMC & L-5000 for activation of Radio Feature licenses.				
Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.				
License Keys will be E-mailed to the address provided on the order form.				
Form is available on MyTools website > Product > Forms				
- <u>FPU & Software Applications:</u> Software License Key Request Form				
- <u>Radio Feature Licenses:</u> Radio Feature License Keys Request Form				
Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.				
Radio Features		EPL	LIST	
KWD-3000CH	License Key for 1000 Channel Expansion	129.60	172.80	
KWD-3001FP	License Key for Front Panel Programming	101.25	135.00	
KWD-3002BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80	
KWD-3302TR	License Key for DMR Tier 3 Trunking	81.00	108.00	
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C and Type-C Gen2)	33.75	45.00	
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20	
KWD-3503AE	License Key for AES/DES Encryption Note: 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	364.50	486.00	
KWD-3504RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	32.40	43.20	
KWD-3505DE	License Key for DES Encryption Note: Requires KPG-AE1/DE1 software key loader to load encryption keys	81.00	108.00	
ANTENNAS		EPL	LIST	
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	15.00	20.00	

		NX-3200/3300 VHF/UHF Digital & FM Analog Portable Radios		Table of Contents
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	15.00	20.00	
ANTENNAS CON'T		EPL	LIST	
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	15.00	20.00	
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	15.00	20.00	
KRA-23M2	UHF Low-profile helical antenna 470-520 MHz	15.00	20.00	
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	15.00	20.00	
KRA-26M	VHF helical antenna 146-162 MHz	15.00	20.00	
KRA-26M2	VHF helical antenna 162-174 MHz	15.00	20.00	
KRA-26M3	VHF helical antenna 136-150 MHz	15.00	20.00	
KRA-27M	UHF whip antenna 440-490 MHz	15.00	20.00	
KRA-27M2	UHF whip antenna 470-520 MHz	15.00	20.00	
KRA-27M3	UHF whip antenna 400-450 MHz	15.00	20.00	
KRA-41M	VHF stubby antenna 148-162 MHz	12.52	16.70	
KRA-41M2	VHF stubby antenna 162-174 MHz	12.52	16.70	
KRA-41M3	VHF stubby antenna 136-150 MHz	12.52	16.70	
KRA-42M	UHF stubby antenna 440-490 MHz	12.52	16.70	
KRA-42M2	UHF stubby antenna 470-520 MHz	12.52	16.70	
KRA-42M3	UHF stubby antenna 403-430 MHz	12.52	16.70	
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	31.35	41.80	
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	38.40	51.20	
BATTERIES AND CHARGERS		EPL	LIST	
KNB-78LM	2860 mAh, Li-ion battery, IP67, battery only, best for trunked mode operation	120.15	160.20	
KNB-57LAM	2000 mAh, Li-ion battery, IP67, battery only, best for conventional mode operation	90.98	121.30	
KNB-55LAM	1480 mAh, Li-ion battery, IP67, battery only	57.75	77.00	
KNB-56N	1400 mAh, Ni-MH battery, IP67, battery only	72.98	97.30	
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh, IP67, battery only [Intrinsically Safe Option]	147.75	197.00	
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	49.28	65.70	
Single Unit Desk Chargers				
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC/78LM/79LCM Li-ion Battery	44.10	58.80	
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC/78LM/79LCM	56.78	75.70	
6 Unit Chargers				
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	170.10	226.80	
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	260.03	346.70	
KSC-526K	Rapid rate 6-unit charger CEC Compliant Note: Requires charging pocket KSC-52PBW and/or KSC-52PCW	617.85	823.80	
KSC-52PCW	Charging pocket for KSC-526K compatible with NX-3000 series	8.10	10.80	
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK Note: NOT compatible with KSC-526K	54.60	72.80	
Vehicle Chargers/Adapters				
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25SK chargers (chargers not included) *KSC-25LSK is not compatible with KVC-4.	106.50	142.00	
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	274.50	366.00	

 NX-3200/3300 VHF/UHF Digital & FM Analog Portable Radios		Table of Contents	
CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	13.35	17.80
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-206K	Heavy-Duty Leather Case w/Swivel Belt Loop for Basic Model	44.63	59.50
KLH-206K2	Heavy-Duty Leather Case w/Swivel Belt Loop for Standard Keypad Model	44.63	59.50
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	44.63	59.50
KLH-207K	Nylon carrying case for Basic Model	24.00	32.00
KLH-207K2	Nylon carrying case for Standard Keypad Model	24.00	32.00
KLH-207K3	Nylon carrying case for Full Keypad Model	24.00	32.00
SPECIAL COLOR HOUSING		EPL	LIST
KWD-YH-3000U	High Visibility Green Housing Kit for NX-3x00 series Standard Key Portables Must order L-5068 for Factory Install. Eligible for warranty of IP67 immersion only when factory installed with L-5068. Note: If you order only housing and perform EPL Installation, IP67 Warranty Claim will not be eligible. Note: Coloring of housing changed to High Visibility Green after Nov 2021 production. Original yellow is no longer available.	36.15	48.80
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
*IP grades for microphones and audio accessories are decided by each item.			
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector Note: 5/16" Coax cable hex wrench included (antenna is not included). [Intrinsically Safe Option]	337.50	450.00
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with Active Noise Reduction Note: IP68 is available only when used with NX-5000 series portable [Intrinsically Safe Option]	118.73	158.30
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic [Intrinsically Safe Option]	91.28	121.70
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics [Intrinsically Safe Option]	50.78	67.70
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) [Intrinsically Safe Option]	152.10	202.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) Note: Not compatible with TDMA operations [Intrinsically Safe Option]	193.35	257.80
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT Note: Not compatible with TDMA operations [Intrinsically Safe Option]	133.23	177.70
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT [Intrinsically Safe Option]	407.10	542.80
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT [Intrinsically Safe Option]	356.48	475.30
OPTION MODULES		EPL	LIST
KCT-48VU	External Vibration Unit Note: Audio accessories cannot be used when this option installed.	77.78	103.70
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile Note: Requires KPT-300LMC for authentication	125.48	167.30
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication - KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	442.65	590.20
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication	297.60	396.80
KPG-36XM	Full Speed USB Programming interface cable	144.75	193.00



NX-3200/3300

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VHF/UHF Digital & FM Analog Portable Radios

INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	12.15	16.20
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	13.50	18.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. <u>KPT-300LMC's History Menu will not display the Radio Features activated by Factory.</u>	97.29	129.70
L-5052	NX-3000 Series Portables Programming (with basic TX/RX check) Must submit <u>NX-x000 Series Programming Order Form</u> upon placing order for any programming services.	30.38	40.50
L-5054	Installation AES/DES for NX-3000 Portable/Mobile	20.25	27.00
L-5062	Configure NX-3000 series for CSA US Intrinsically Safe Note: NX-3000 series I.S. radios must be used with matching I.S. battery KNB-79LCM.	27.00	36.00
L-5068	Assemble Color Housing KWD-YH-3000U/P with NX-3000 series Portable	21.60	28.80

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

Encryption Software Option, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

JVCKENWOOD may request the following information to be submitted at time of order (this information must meet JVCKENWOOD internal approvals prior to shipment even if being returned to JVCKENWOOD later:

- a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, EPLship, manufacturer's representative)
- * Business/Agency Name:
 - * Address:
 - * Contact Person Name:
 - * Contact Phone:
- b) Ultimate Destination: Final delivery point(s); deployment/distribution
- * Business/Agency Name:
 - * Address:
 - * Contact Person Name:
 - * Contact Phone:
- c) Intended Use of Radios: Law enforcement, security, operations, etc.



NX-3400

800/900MHz Digital & FM Analog Portable Radio

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All NX-3000 series portables include:

- Belt Clip (KBH-11)
- Antenna (KRA-38K)
- Accessory Cover
- Channel Stopper
- User Guide
- Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery and Charger separately

*Note:

1. To meet IP grades and MIL, the universal connector cap or KENWOOD official accessory must be installed/connected.
2. To maintain immersion specs (IP67), all warranty service must be done by National Kenwood Authorized Service Centers. IP67 Certification is valid under the 3 year premium warranty. No re-certification is available.

Because of spurious signal (birdie), the following frequencies (and $\pm 6.25\text{kHz}$ ranges) are not allowed :

- 854.4000 • 936.0000
- 859.2000 • 940.8000
- 864.0000
- 868.8000

STANDARD

■ GENERAL FEATURES

- 3 W (806-941 MHz) Model
- 512 CH-GID / 128 Zones
- Full Keypad Model (w/ LCD and D-pad/12 key)
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide)
- 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- 7-color Light Bar Indicator
- Transmit/Busy/Call Alert/Warn LED
- Remote Stun/Kill/Check
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 4-way Directional-pad (For Standard/Full Keypad)
- Emergency Key
- 2 Side PF Keys
- 1W Speaker Audio
- Dual Digital Protocol¹
- Emergency Call Features
- Built-in GPS Receiver / Antenna
- Built-in Bluetooth[®] 4.0 Module
- Built-in Motion Sensor
- Active Noise Reduction (ANR)
- KPG-D3N Windows[®] FPU
- Flash Firmware Upgrading
- Optional Software-based DES and AES Encryptions (Digital Only)
- MIL-STD-810 C/D/E/F/G
- IP54/55² Water & Dust Intrusion
- IP67² Immersion
- Digital Encode/Decode Format

1. Designed to operate digital, DMR OR NXDN, along with analog FM; a single FM digital protocol is selected with programming software.
2. Must equip **Accessory Cover** included with a Radio. Speaker Microphone does not cover IPs.

■ DIGITAL – NXDN[®] MODE

- NXDN[®] Conventional
- NXDN[®] TYPE-C (Gen1/Gen2) Trunking
- AMBE+2[™] VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN[®] Scrambler

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2[™] VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Site Roaming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption Option

■ ANALOG MODE

- Conventional Zones
- LTR[®] Zones
- FleetSync[®]/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF

OPTIONAL FEATURES

- 1000 Channel (**KWD-3000CH**)
- Front Panel Programming (**KWD-3001FP**)
- Built-in Bluetooth[®] Module for Data (**KWD-3002BT**)
- Digital NXDN Trunking (**Factory Installed**)
- DMR Tier 2 Conventional (**KWD-3301CV**)
- DMR Tier 3 Trunking (**KWD-3301CV & KWD-3302TR**)
- DMR ARC4 Enhanced Encryption (**KWD-3502EE**)
- AES/DES Encryption (**KWD-3503AE**)
- Remote Control Command by Subscriber Units (**KWD-3504RC**)

Approved by CSA-us International Inc. for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-incendive use in Class I, Div. 2, Groups A, B hazardous locations.

RADIO		EPL	LIST
NX-3400K3	800/900MHz, 3.0 Watts, 512 CH, Full Key Model, NXDN Conv & Trunking	775.50	1034.00
Li-ion VALUE PACKAGES (Preferred for Trunked Mode Usage)		EPL	LIST
NX-3400K3-XLKVP	Extra-Cap Li-Ion Value Pack : NX-3400K3+KNB-78L(2860mAh)+KSC-25LSK	939.75	1253.00



NX-3400

800/900MHz Digital & FM Analog Portable Radio

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CSA US APPROVED MODELS

EPL

LIST

Must Order L-5062 & KNB-79LCM Intrinsically Safe Battery per radio

Model	Specifications	EPL	LIST
NX-3400-ISCK3	800/900MHz, 3.0 Watts, 512 CH, Full Key Model, NXDN Conv & Trunking	775.50	1034.00

Note: KNB-68LC is NOT compatible for NX-3000 Intrinsically Safe usage.

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- [FPU & Software Applications](#): Software License Key Request Form
- [Radio Feature Licenses](#): Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	129.60	172.80
KWD-3001FP	License Key for Front Panel Programming	101.25	135.00
KWD-3002BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80
KWD-3301CV	License Key for DMR Tier 2 Conventional	33.75	45.00
KWD-3302TR	License Key for DMR Tier 3 Trunking (Requires KWD-3301CV)	81.00	108.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20
KWD-3503AE	License Key for AES/DES Encryption Note: 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	364.50	486.00
KWD-3504RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	32.40	43.20
KWD-3505DE	License Key for DES Encryption Note: Requires KPG-AE1/DE1 software key loader to load encryption keys	81.00	108.00

ANTENNAS		EPL	LIST
KRA-32K	700/800 MHz Whip Antenna	31.88	42.50
KRA-36	700/800 MHz Stubby Antenna	22.88	30.50
KRA-38K	800/900 MHz Whip Antenna	31.88	42.50
KRA-39	900 MHz Stubby Antenna	22.88	30.50

BATTERIES AND CHARGERS		EPL	LIST
KNB-78LM	2860 mAh, Li-ion battery, IP67, battery only, best for trunked mode operation	120.15	160.20
KNB-57LAM	2000 mAh, Li-ion battery, IP67, battery only, best for conventional mode operation	90.98	121.30
KNB-55LAM	1480 mAh, Li-ion battery, IP67, battery only	57.75	77.00
KNB-56N	1400 mAh, Ni-MH battery, IP67, battery only	72.98	97.30
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh, IP67, battery only [Intrinsically Safe Option]	147.75	197.00
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	49.28	65.70



NX-3400

800/900MHz Digital & FM Analog Portable Radio

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Single Unit Desk Chargers

KSC-25LSK	100-240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC/78LM/79LCM Li-ion Battery	44.10	58.80
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC/78LM/79LCM	56.78	75.70

6 Unit Chargers

KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	170.10	226.80
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	260.03	346.70
KSC-526K	Rapid rate 6-unit charger CEC Compliant Note: Requires charging pocket KSC-52PBW and/or KSC-52PCW	617.85	823.80
KSC-52PCW	Charging pocket for KSC-526K compatible with NX-3000 series	8.10	10.80
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK Note: NOT compatible with KSC-526K	54.60	72.80

Vehicle Chargers/Adapters

KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25SK chargers (chargers not included) *KSC-25LSK is not compatible with KVC-4.	106.50	142.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	274.50	366.00

CARRYING ACCESSORIES

		EPL	LIST
KBH-11	Spring action belt clip (2.5")	13.35	17.80
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	44.63	59.50
KLH-207K3	Nylon carrying case for Full Keypad Model	24.00	32.00

MICROPHONES & AUDIO ACCESSORIES

		EPL	LIST
*IP grades for microphones and audio accessories are decided by each item.			
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector Note: 5/16" Coax cable hex wrench included (antenna is not included).	337.50	450.00
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with Active Noise Reduction Note: IP68 is available only when used with NX-5000 series portable [Intrinsically Safe Option]	118.73	158.30
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic [Intrinsically Safe Option]	91.28	121.70
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics [Intrinsically Safe Option]	50.78	67.70
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) [Intrinsically Safe Option]	152.10	202.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) Note: Not compatible with TDMA operations [Intrinsically Safe Option]	193.35	257.80
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT Note: Not compatible with TDMA operations [Intrinsically Safe Option]	133.23	177.70
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT [Intrinsically Safe Option]	407.10	542.80
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT [Intrinsically Safe Option]	356.48	475.30

OPTION MODULES

		EPL	LIST
KCT-48VU	External Vibration Unit Note: Audio accessories cannot be used when this option installed.	77.78	103.70

SERVICE RELATED ACCESSORIES

		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile Note: Requires KPT-300LMC for authentication	125.48	167.30



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800/900MHz Digital & FM Analog Portable Radio

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KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication - KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	442.65	590.20
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication	297.60	396.80
KPG-36XM	Full Speed USB Programming interface cable	144.75	193.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	12.15	16.20
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	13.50	18.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28	129.70
L-5052	NX-3000 Series Portables Programming (with basic TX/RX check) Must submit <u>NX-x000 Series Programming Order Form</u> upon placing order for any programming services.	30.38	40.50
L-5054	Installation AES/DES for NX-3000 Portable/Mobile	20.25	27.00
L-5062	Configure NX-3000 series for CSA US Intrinsically Safe Note: NX-3000 series I.S. radios must be used with matching I.S. battery KNB-79LCM.	27.00	36.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

Encryption Software Option, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. **DO NOT SHIP** encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

JVCKENWOOD may request the following information to be submitted at time of order (this information must meet JVCKENWOOD internal approvals prior to shipment even if being returned to JVCKENWOOD later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination

(customer distribution center, headquarters, EPLship, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.



NX-3220/3320

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VHF/UHF Digital & FM Analog Portable Radios



Basic Standard Key Full Key

All NX-3000 series portables include:

- Belt Clip (KBH-11)
- 2-PIN Accessory Cover
- Channel Stopper
- User Guide
- Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

Note:

1. To meet IP grades and MIL, the 2-pin connector cap must be installed.
2. To maintain immersion specs (IP67), all warranty service must be done by National Kenwood Authorized Service Centers. IP67 Certification is valid under the 3 year premium warranty. No re-certification is available.

Because of spurious signal (birdie), the following frequencies (and ± 7.5 kHz ranges) are not allowed ;

- | | | |
|------------|------------|------------|
| • 139.2000 | • 403.2000 | • 460.8000 |
| • 144.0000 | • 408.0000 | • 465.6000 |
| • 148.8000 | • 412.8000 | • 470.4000 |
| • 153.6000 | • 417.6000 | • 475.2000 |
| • 158.4000 | • 422.4000 | • 480.0000 |
| • 160.0000 | • 427.2000 | • 484.8000 |
| • 163.2000 | • 432.0000 | • 489.6000 |
| • 168.0000 | • 436.8000 | • 494.4000 |
| • 172.8000 | • 441.6000 | • 499.2000 |
| | • 446.4000 | • 504.0000 |
| | • 451.2000 | • 508.8000 |
| | • 456.0000 | • 513.6000 |
| | | • 518.4000 |

STANDARD

GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-520 MHz) Models
- 260 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (For Basic Models)
- Basic Models (w/o LCD and keypad)
- Standard Keypad Models (w/ LCD and D-pad/4key)
- Full Keypad Models (w/ LCD and D-pad/12 key)
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide)
- 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- 7-color Light Bar Indicator
- Transmit/Busy/Call Alert/Warn LED
- Remote Stun/Kill/Check
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 4-way Directional-pad (For Standard/Full Keypad)
- Emergency Key
- 2 Side PF Keys
- 1W Speaker Audio
- Dual Digital Protocol¹
- Emergency Call Features
- Built-in GPS Receiver / Antenna
- Built-in Bluetooth® 4.0 Module
- Built-in Motion Sensor
- Active Noise Reduction (ANR)
- KPG-D3N Windows® FPU
- Flash Firmware Upgrading
- Optional Software-based DES and AES Encryptions (Digital Only)
- MIL-STD-810 C/D/E/F/G
- IP54/55² Water & Dust Intrusion
- IP67² Immersion
- Color Housing Option

1. Designed to operate digital, DMR OR NXDN, along with analog FM; a single FM digital protocol is selected with programming software.

2. Must equip **Accessory Cover** included with a Radio. Speaker Microphone does not cover IPs.

DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking Option
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Digital Two-Tone
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

DIGITAL – DMR MODE

- DMR Tier 2 Conventional
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™ VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Site Roaming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption Option

ANALOG MODE

- Conventional Zones
- LTR® Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF

OPTIONAL FEATURES

- 1000 Channel (**KWD-3000CH**)
- Front Panel Programming (**KWD-3001FP**)
- Built-in Bluetooth® Module for Data (**KWD-3002BT**)
- Digital NXDN Trunking (**KWD-3501TR**)
- DMR Tier 2 Conventional (**Factory Installed**)
- DMR Tier 3 Trunking (**KWD-3302TR**)
- DMR ARC4 Enhanced Encryption (**KWD-3502EE**)
- AES/DES Encryption (**KWD-3503AE**)
- Remote Control Command by Subscriber Units (**KWD-3504RC**)

Approved by CSA-us International Inc. for Classes I, II & III, Div. 1, Groups D, E, F, G and are also approved for non-incendive use in Class I, Div. 2, Groups A, B, C hazardous locations.



NX-3220/3320

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VHF/UHF Digital & FM Analog Portable Radios

RADIO		EPL	LIST
NX-3220K	VHF (136-174MHz), 5.0 Watts, 64 CH, Basic Model	429.60	572.80
NX-3220K2	VHF (136-174MHz), 5.0 Watts, 260CH, Standard Key Model	505.65	674.20
NX-3220K3	VHF (136-174MHz), 5.0 Watts, 260CH, Full Key Model	550.35	733.80
NX-3320K	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model	429.60	572.80
NX-3320K2	UHF (400-520MHz), 5.0 Watts, 260CH, Standard Key Model	505.65	674.20
NX-3320K3	UHF (400-520MHz), 5.0 Watts, 260CH, Full Key Model	550.35	733.80
RADIO TRUNKING PACKAGE		EPL	LIST
NX-3220K-TR	VHF (136-174MHz), 5.0 Watts, 64 CH, Basic Model with NXDN Trunking	450.90	601.20
NX-3220K2-TR	VHF (136-174MHz), 5.0 Watts, 260CH, Standard Key Model with NXDN Trunking	526.88	702.50
NX-3220K3-TR	VHF (136-174MHz), 5.0 Watts, 260CH, Full Key Model with NXDN Trunking	571.65	762.20
NX-3320K-TR	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model with NXDN Trunking	450.90	601.20
NX-3320K2-TR	UHF (400-520MHz), 5.0 Watts, 260CH, Standard Key Model with NXDN Trunking	526.88	702.50
NX-3320K3-TR	UHF (400-520MHz), 5.0 Watts, 260CH, Full Key Model with NXDN Trunking	571.65	762.20
Li-ion VALUE PACKAGES (Preferred for Trunked Mode Usage)		EPL	LIST
NX-3220K2-XLKVP	VHF Extra-Cap Li-Ion Value Pack : NX-3220K2+KNB-78L(2860mAh)+KSC-25LSK+KRA-26M	684.90	913.20
NX-3320K2-XLKVP	UHF Extra-Cap Li-Ion Value Pack : NX-3320K2+KNB-78L(2860mAh)+KSC-25LSK+KRA-27M	684.90	913.20
Li-ion VALUE PACKAGES (Preferred for Conventional Mode Usage)		EPL	LIST
NX-3220K2LAKVP	VHF Hi-Cap Li-Ion Value Pack : NX-3220K2+KNB-57LAM(2000mAh)+KSC-25LSK+KRA-26M	655.73	874.30
NX-3320K2LAKVP	UHF Hi-Cap Li-Ion Value Pack : NX-3320K2+KNB-57LAM(2000mAh)+KSC-25LSK+KRA-27M	655.73	874.30
NX-3220KSLAKVP	VHF Li-Ion Value Pack : NX-3220K+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-26M	546.45	728.60
NX-3220K2SLAKVP	VHF Li-Ion Value Pack : NX-3220K2+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-26M	622.75	830.00
NX-3220K3SLAKVP	VHF Li-Ion Value Pack : NX-3220K3+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-26M	667.20	889.60
NX-3320KSLAKVP	UHF Li-Ion Value Pack : NX-3320K+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-27M	546.45	728.60
NX-3320K2SLAKVP	UHF Li-Ion Value Pack : NX-3320K2+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-27M	622.75	830.00
NX-3320K3SLAKVP	UHF Li-Ion Value Pack : NX-3320K3+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-27M	667.20	889.60
CSA US APPROVED MODELS		EPL	LIST
Must Order L-5062 & KNB-79LCM Intrinsically Safe Battery per radio			
NX-3220-ISCK	VHF (136-174MHz), 5.0 Watts, 64 CH, Basic Model	429.60	572.80
NX-3220-ISCK2	VHF (136-174MHz), 5.0 Watts, 512 CH, Standard Key Model	505.65	674.20
NX-3220-ISCK3	VHF (136-174MHz), 5.0 Watts, 512 CH, Full Key Model	440.30	733.80
NX-3320-ISCK	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model	429.60	572.80
NX-3320-ISCK2	UHF (400-520MHz), 5.0 Watts, 512 CH, Standard Key Model	505.65	674.20
NX-3320-ISCK3	UHF (400-520MHz), 5.0 Watts, 512 CH, Full Key Model	440.30	733.80

Note: KNB-68LC is NOT compatible for NX-3000 Intrinsically Safe usage.

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- [FPU & Software Applications](#): Software License Key Request Form
- [Radio Feature Licenses](#): Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.



NX-3220/3320

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VHF/UHF Digital & FM Analog Portable Radios

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	129.60	172.80
KWD-3001FP	License Key for Front Panel Programming	101.25	135.00
KWD-3002BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80
KWD-3302TR	License Key for DMR Tier 3 Trunking	81.00	108.00
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C and Type-C Gen2)	33.75	45.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20
KWD-3503AE	License Key for AES/DES Encryption Note: 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	364.50	486.00
KWD-3504RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	32.40	43.20
KWD-3505DE	License Key for DES Encryption Note: Requires KPG-AE1/DE1 software key loader to load encryption keys	81.00	108.00

ANTENNAS		EPL	LIST
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	15.00	20.00
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	15.00	20.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	15.00	20.00
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	15.00	20.00
KRA-23M2	UHF Low-profile helical antenna 470-520 MHz	15.00	20.00
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	15.00	20.00
KRA-26M	VHF helical antenna 146-162 MHz	15.00	20.00
KRA-26M2	VHF helical antenna 162-174 MHz	15.00	20.00
KRA-26M3	VHF helical antenna 136-150 MHz	15.00	20.00
KRA-27M	UHF whip antenna 440-490 MHz	15.00	20.00
KRA-27M2	UHF whip antenna 470-520 MHz	15.00	20.00
KRA-27M3	UHF whip antenna 400-450 MHz	15.00	20.00
KRA-41M	VHF stubby antenna 148-162 MHz	12.52	16.70
KRA-41M2	VHF stubby antenna 162-174 MHz	12.52	16.70
KRA-41M3	VHF stubby antenna 136-150 MHz	12.52	16.70
KRA-42M	UHF stubby antenna 440-490 MHz	12.52	16.70
KRA-42M2	UHF stubby antenna 470-520 MHz	12.52	16.70
KRA-42M3	UHF stubby antenna 403-430 MHz	12.52	16.70
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	31.35	41.80
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	38.40	51.20

BATTERIES AND CHARGERS		EPL	LIST
KNB-78LM	2860 mAh, Li-ion battery, IP67, battery only, best for trunked mode operation	120.15	160.20
KNB-57LAM	2000 mAh, Li-ion battery, IP67, battery only, best for conventional mode operation	90.98	121.30
KNB-55LAM	1480 mAh, Li-ion battery, IP67, battery only	57.75	77.00
KNB-56N	1400 mAh, Ni-MH battery, IP67, battery only	72.98	97.30
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh, IP67, battery only [Intrinsically Safe Option]	147.75	197.00
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	49.28	65.70



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VHF/UHF Digital & FM Analog Portable Radios

Single Unit Desk Chargers

KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/57LAM/68LC/78LM/79LCM Li-ion Battery	44.10	58.80
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/57LAM/68LC/78LM/79LCM	56.78	75.70

6 Unit Chargers

KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	170.10	226.80
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	260.03	346.70
KSC-526K	Rapid rate 6-unit charger CEC Compliant Note: Requires charging pocket KSC-52PBW and/or KSC-52PCW	617.85	823.80
KSC-52PCW	Charging pocket for KSC-526K compatible with NX-3000 series	8.10	10.80
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK Note: NOT compatible with KSC-526K	54.60	72.80

Vehicle Chargers/Adapters

KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25SK chargers (chargers not included) *KSC-25LSK is not compatible with KVC-4.	106.50	142.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	274.50	366.00

CARRYING ACCESSORIES

		EPL	LIST
KBH-11	Spring action belt clip (2.5")	13.35	17.80
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-206K	Heavy-Duty Leather Case w/Swivel Belt Loop for Basic Model	44.63	59.50
KLH-206K2	Heavy-Duty Leather Case w/Swivel Belt Loop for Standard Keypad Model	44.63	59.50
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	44.63	59.50
KLH-207K	Nylon carrying case for Basic Model	24.00	32.00
KLH-207K2	Nylon carrying case for Standard Keypad Model	24.00	32.00
KLH-207K3	Nylon carrying case for Full Keypad Model	24.00	32.00

SPECIAL COLOR HOUSING

		EPL	LIST
KWD-YH-3000P	High Visibility Green Housing Kit for NX-3x20 series Standard Key Portables Must order L-5068 for Factory Install. Eligible for warranty of IP67 immersion only when factory installed with L-5068. Note: If you order only housing and perform EPL Installation, IP67 Warranty Claim will not be eligible. Note: Coloring of housing changed to High Visibility Green after Nov 2021 production. Original yellow is no longer available.	36.15	48.80

MICROPHONES & AUDIO ACCESSORIES

		EPL	LIST
*IP grades for microphones and audio accessories are decided by each item.			
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) Note: KMC-45 (Non D version) is not compatible with DMR (TDMA) operation. [Intrinsically Safe Option]	78.60	104.80
KMC-21A	Compact speaker microphone [Intrinsically Safe Option]	50.78	62.70
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic [Intrinsically Safe Option]	50.78	67.70
KHS-7	Single muff headset w/boom mic [Intrinsically Safe Option]	77.78	103.70
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations. [Intrinsically Safe Option]	101.40	135.20
KHS-8BL	Two-Wire palm mic w/earphone (black) [Intrinsically Safe Option]	99.98	133.30
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	161.63	215.50



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VHF/UHF Digital & FM Analog Portable Radios

KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Option]	356.48	475.30
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Option]	362.63	483.50
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band) [Intrinsically Safe Option]	51.75	69.00
KHS-26	Clip Mic w/earphone	27.23	36.30
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	23.85	31.80
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	29.10	38.80
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile Note: Requires KPT-300LMC for authentication	125.47	167.30
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication - KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	442.65	590.20
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication	297.60	396.80
KPG-22UM	USB Programming interface cable	144.75	193.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	12.15	16.20
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	13.90	18.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. <u>KPT-300LMC's History Menu will not display the Radio Features activated by Factory.</u>	97.28	129.70
L-5052	NX-3000 Series Portables Programming (with basic TX/RX check) Must submit <u>NX-x000 Series Programming Order Form</u> upon placing order for any programming services.	30.38	40.50
L-5054	Installation AES/DES for NX-3000 Portable/Mobile	20.25	27.00
L-5062	Configure NX-3000 series for CSA US Intrinsically Safe Note: NX-3000 series I.S. radios must be used with matching I.S. battery KNB-79LCM.	27.00	36.00
L-5068	Assemble Color Housing KWD-YH-3000U/P with NX-3000 series Portable	21.60	28.80

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

Encryption Software Option, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

JVCKENWOOD may request the following information to be submitted at time of order (this information must meet JVCKENWOOD internal approvals prior to shipment even if being returned to JVCKENWOOD later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, EPLship, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.



NX-3420

800/900MHz Digital & FM Analog Portable Radio

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STANDARD



All NX-3420 portables include:

- Belt Clip (KBH-11)
- Antenna (KRA-38K)
- 2-PIN Accessory Cover
- Channel Stopper
- User Guide
- Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery and Charger separately

Note:

1. To meet IP grades and MIL, the 2-pin connector cap must be installed.
2. To maintain immersion specs (IP67), all warranty service must be done by National Kenwood Authorized Service Centers. IP67 Certification is valid under the 3 year premium warranty. No re-certification is available.

Because of spurious signal (birdie), the following frequencies (and $\pm 6.25\text{kHz}$ ranges) are not allowed :

- 854.4000 • 936.0000
- 859.2000 • 940.8000
- 864.0000
- 868.8000

GENERAL FEATURES

- 3 W (806-941 MHz) Model
- 260 CH-GID / 128 Zones
- Full Keypad Model (w/ LCD and D-pad/12 key)
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide)
- 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- 7-color Light Bar Indicator
- Transmit/Busy/Call Alert/Warn LED
- Remote Stun/Kill/Check
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 4-way Directional-pad (For Standard/Full Keypad)
- Emergency Key
- 2 Side PF Keys
- 1W Speaker Audio
- Dual Digital Protocol¹
- Emergency Call Features
- Built-in GPS Receiver / Antenna
- Built-in Bluetooth® 4.0 Module
- Built-in Motion Sensor
- Active Noise Reduction (ANR)
- KPG-D3N Windows® FPU
- Flash Firmware Upgrading
- Optional Software-based DES and AES . Encryptions (Digital Only)
- MIL-STD-810 C/D/E/F/G
- IP54/55² Water & Dust Intrusion
- IP67² Immersion
- Digital Encode/Decode Format

1. Designed to operate digital, DMR OR NXDN, along with analog FM; a single FM digital protocol is selected with programming software.
2. Must equip **Accessory Cover** included with a Radio. Speaker Microphone does not cover IPs.

DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

DIGITAL – DMR MODE

- DMR Tier 2 Conventional Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™ VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Site Roaming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption Option

ANALOG MODE

- Conventional Zones
- LTR® Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF
- Built-in Voice Inversion Scrambler

OPTIONAL FEATURES

- 1000 Channel (**KWD-3000CH**)
- Front Panel Programming (**KWD-3001FP**)
- Built-in Bluetooth® Module for Data (**KWD-3002BT**)
- Digital NXDN Trunking (**Factory Installed**)
- DMR Tier 2 Conventional (**KWD-3301CV**)
- DMR Tier 3 Trunking (**KWD-3301CV & KWD-3302TR**)
- DMR ARC4 Enhanced Encryption (**KWD-3502EE**)
- AES/DES Encryption (**KWD-3503AE**)
- Remote Control Command by Subscriber Units (**KWD-3504RC**)

Approved by CSA-us International Inc. for Classes I, II & III, Div. 1, Groups D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C hazardous locations.

RADIO		EPL	LIST
NX-3420K3	800/900MHz, 3.0 Watts, 260 CH, Full Key Model, NXDN Conv & Trunking	600.98	801.30
Li-ion VALUE PACKAGES (Preferred for Trunked Mode Usage)		EPL	LIST
NX-3420K3-XLKVP	Extra-Cap Li-Ion Value Pack : NX-3420K3+KNB-78L(2860mAh)+KSC-25LSK	765.23	1020.30

	NX-3420 800/900MHz Digital & FM Analog Portable Radio	Table of Contents

CSA US APPROVED MODELS		EPL	LIST
Must Order L-5062 & KNB-79LCM Intrinsically Safe Battery per radio			
NX-3420-ISCK3	800/900MHz, 3.0 Watts, 260 CH, Full Key Model, NXDN Conv & Trunking	600.98	801.30

Note: KNB-68LC is NOT compatible for NX-3000 Intrinsically Safe usage.

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- [FPU & Software Applications](#): Software License Key Request Form
- [Radio Feature Licenses](#): Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	129.60	172.80
KWD-3001FP	License Key for Front Panel Programming	101.25	135.00
KWD-3002BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80
KWD-3301CV	License Key for DMR Tier 2 Conventional	33.75	45.00
KWD-3302TR	License Key for DMR Tier 3 Trunking (Requires KWD-3301CV)	81.00	108.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20
KWD-3503AE	License Key for AES/DES Encryption Note: 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	364.50	486.00
KWD-3504RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	32.40	43.20
KWD-3505DE	License Key for DES Encryption Note: Requires KPG-AE1/DE1 software key loader to load encryption keys	81.00	108.00

ANTENNAS		EPL	LIST
KRA-32K	700/800 MHz Whip Antenna	31.88	42.50
KRA-36	700/800 MHz Stubby Antenna	22.88	30.50
KRA-38K	800/900 MHz Whip Antenna	31.88	42.50
KRA-39	900 MHz Stubby Antenna	22.88	30.50

BATTERIES AND CHARGERS		EPL	LIST
KNB-78LM	2860 mAh, Li-ion battery, IP67, battery only, best for trunked mode operation	120.15	160.20
KNB-57LAM	2000 mAh, Li-ion battery, IP67, battery only, best for conventional mode operation	90.98	121.30
KNB-55LAM	1480 mAh, Li-ion battery, IP67, battery only	57.75	77.00
KNB-56N	1400 mAh, Ni-MH battery, IP67, battery only	72.98	97.30
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh, IP67, battery only [Intrinsically Safe Option]	147.75	197.00
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	49.28	65.70

	NX-3420 800/900MHz Digital & FM Analog Portable Radio	Table of Contents
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Single Unit Desk Chargers			
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/57LAM/68LC/78LM/79LCM Li-ion Battery	44.10	58.80
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/57LAM/68LC/78LM/79LCM	56.78	75.70
6 Unit Chargers			
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	170.10	226.80
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	260.03	346.70
KSC-526K	Rapid rate 6-unit charger CEC Compliant Note: Requires charging pocket KSC-52PBW and/or KSC-52PCW	617.85	823.80
KSC-52PCW	Charging pocket for KSC-526K compatible with NX-3000 series	8.10	10.80
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK Note: NOT compatible with KSC-526K	54.60	72.80
Vehicle Chargers/Adapters			
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25SK chargers (chargers not included) *KSC-25LSK is not compatible with KVC-4.	106.50	142.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	274.50	366.00
CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	13.35	17.80
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	44.30	59.50
KLH-207K3	Nylon carrying case for Full Keypad Model	24.00	32.00
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
*IP grades for microphones and audio accessories are decided by each item.			
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) Note: KMC-45 (Non D version) is not compatible with DMR (TDMA) operation. [Intrinsically Safe Option]	78.60	104.80
KMC-21A	Compact speaker microphone [Intrinsically Safe Option]	47.03	62.70
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic [Intrinsically Safe Option]	47.03	67.70
KHS-7	Single muff headset w/boom mic [Intrinsically Safe Option]	77.78	103.70
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations. [Intrinsically Safe Option]	101.40	135.20
KHS-8BL	Two-Wire palm mic w/earphone (black) [Intrinsically Safe Option]	99.98	133.30
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	161.63	215.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Option]	356.48	475.30
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Option]	362.63	483.50
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band) [Intrinsically Safe Option]	51.75	69.00
KHS-26	Clip Mic w/earphone	27.23	36.30
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	23.85	31.80
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	29.10	38.80

	NX-3420 800/900MHz Digital & FM Analog Portable Radio	Table of Contents
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SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile Note: Requires KPT-300LMC for authentication	125.48	167.30
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication - KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	442.65	590.20
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication	297.60	396.80
KPG-22UM	USB Programming interface cable	144.75	193.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	12.15	16.20
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	13.50	18.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. <u>KPT-300LMC's History Menu will not display the Radio Features activated by Factory.</u>	97.23	129.70
L-5052	NX-3000 Series Portables Programming (with basic TX/RX check) Must submit <u>NX-x000 Series Programming Order Form</u> upon placing order for any programming services.	30.38	40.50
L-5054	Installation AES/DES for NX-3000 Portable/Mobile	20.25	27.00
L-5062	Configure NX-3000 series for CSA US Intrinsically Safe Note: NX-3000 series I.S. radios must be used with matching I.S. battery KNB-79LCM.	27.00	36.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

Encryption Software Option, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

JVCKENWOOD may request the following information to be submitted at time of order (this information must meet JVCKENWOOD internal approvals prior to shipment even if being returned to JVCKENWOOD later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, EPLship, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.

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**All NX-1000 series portables include:**

- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Note:

1. To meet IP grades and MIL, the 2-pin connector cap or accessory must be installed.

STANDARD**■ GENERAL FEATURES**

- 5 W (136-174 MHz) Models
- 5 W (400-470 MHz) Models
- 5 W (450-520 MHz) Models
- NXDN & Analog Mode
- Optional DMR Mode Conversion
- AMBE+2™ VOCODER
- 260 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (For Basic Models)
- Basic Models
- Standard Keypad Models w/ LCD
- 13-seg, 8-character LCD
- 7-color LED Indicator
- KENWOOD Audio Quality
 - Audio Equalizer: Flat, High, or Low
 - Auto Gain Control: On, High, or Low
 - Noise Suppressor
 - Microphone type selection
- Multiple Scan Functions
 - Dual Priority, Single, Zone, Multi, Scan
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 2 Side PF Keys
- 1W Speaker Audio
- VOX
- Emergency Call Features
- Lone Worker
- Max/Min Volume Setting
- Voice Announcement
- Front Panel Programming Mode
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- Intrinsically Safe Option

■ DIGITAL – NXDN® MODE

- NXDN® Conventional & Site Roaming
- NXDN® Type-D Trunking Option
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- NXDN® Scrambler
- NXDN® ESN Validation (for Type-D System)
- Late Entry

■ DIGITAL – DMR MODE (Optional)

- DMR Tier 2 Conventional & Site Roaming
- DMR Auto Slot Select (DASS)
- 12.5 kHz Channels
- Digital / Analog Mixed Mode
- Call Interrupt
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- Over-the-Air Alias
- Late Entry
- ARC4 Encryption Option

■ ANALOG MODE

- Conventional Zones
- FleetSync®: PTT ID, Stun/Revive, Talk back, Selcall
- MDC-1200: PTT ID, Radio Inhibit/Unihabit, Radio Check, Emergency
- QT / DQT, Two-Tone, DTMF
- Built-in Voice Inversion Scrambler
- Built-in Compander

OPTIONAL FEATURES

- NXDN Type-D Trunking License (**KWD-1202TDK**)
- DMR Conversion License (**KWD-1301CN**)
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**) *Only applicable after DMR conversion
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

Digital mode conversion & Type-D requires additional firmware loading after applying upgrade license. Please download latest firmware from MyTools website > Product > Firmware

Approved for Class I, Div. 1, Group D and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations.

RADIO		EPL	LIST
NX-1200NVK	VHF (136-174MHz), 5W, 64 CH, Basic Model, NXDN/Analog	281.85	375.80
NX-1200NVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog	351.98	469.30
NX-1300NUK	UHF (450-520MHz), 5W, 64 CH, Basic Model, NXDN/Analog	281.85	375.80
NX-1300NUK2	UHF (450-520MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog	351.98	469.30
NX-1300NUK4	UHF (400-470MHz), 5W, 64 CH, Basic Model, NXDN/Analog	281.85	375.80
NX-1300NUK5	UHF (400-470MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog	351.98	469.30
CSA US APPROVED MODELS		EPL	LIST
All in one package with Radio, Antenna, Battery (KNB-82LCM Intrinsically Safe Battery) and Charger			
NX-1200-ISCNVK	VHF (136-174MHz), 5W, 64 CH, Basic Model, NXDN/Analog	417.98	557.30
Note: Can be used in Class I Gas Environment only			

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		VHF/UHF NXDN & FM Analog Portable Radios			
NX-1200-ISCNVK2		VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog		488.03	650.70
		Note: Can be used in Class I Gas Environment only			

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CSA US APPROVED MODELS, CON'T		EPL	LIST
NX-1300-ISCNUK	UHF (450-520MHz), 5W, 64 CH, Basic Model, NXDN/Analog Note: Can be used in Class I Gas Environment only	417.98	557.30
NX-1300-ISCNUK2	UHF (450-520MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog Note: Can be used in Class I Gas Environment only	488.03	650.70
NX-1300-ISCNUK4	UHF (400-470MHz), 5W, 64 CH, Basic Model, NXDN/Analog Note: Can be used in Class I Gas Environment only	417.98	557.30
NX-1300-ISCNUK5	UHF (400-470MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog Note: Can be used in Class I Gas Environment only	488.03	650.70
ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	15.00	20.00
KRA-26M2	VHF helical antenna 162-174 MHz	15.00	20.00
KRA-26M3	VHF helical antenna 136-150 MHz	15.00	20.00
KRA-27M	UHF whip antenna 440-490 MHz	15.00	20.00
KRA-27M2	UHF whip antenna 470-520 MHz	15.00	20.00
KRA-27M3	UHF whip antenna 400-450 MHz	15.00	20.00
KRA-41M	VHF stubby antenna 148-162 MHz	12.52	16.70
KRA-41M2	VHF stubby antenna 162-174 MHz	12.52	16.70
KRA-41M3	VHF stubby antenna 136-150 MHz	12.52	16.70
KRA-42M	UHF stubby antenna 440-490 MHz	12.52	16.70
KRA-42M2	UHF stubby antenna 470-520 MHz	12.52	16.70
KRA-42M3	UHF stubby antenna 403-430 MHz	12.52	16.70
KRA-22M	VHF low profile antenna 148-162 MHz	15.00	20.00
KRA-22M2	VHF low profile antenna 162-174 MHz	15.00	20.00
KRA-22M3	VHF low profile antenna 136-150 MHz	15.00	20.00
KRA-23M	UHF low profile antenna 450-490 MHz	15.00	20.00
KRA-23M2	UHF low profile antenna 470-520 MHz	15.00	20.00
KRA-23M3	UHF low profile antenna 403-430 MHz	15.00	20.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	59.40	79.20
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	71.63	95.50
KNB-82LCM	CSA US Intrinsically Safe Battery Li-ion 1900mAh, battery only [Intrinsically Safe Option]	105.00	140.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	33.60	44.80
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	28.73	38.30
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	33.00	44.70
KMB-28AK	Six Unit Charger Adapter for the KSC-35SK chargers (chargers not included) Note: A supplied in-line AC-DC switching power supply with six DC plugs supply installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	190.88	254.50
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	33.00	44.70
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	7.50	10.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-187	Nylon case for NX-1200/1300 srs	13.35	17.80

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MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) Note: KMC-45 (Non D version) is not compatible with DMR (TDMA) operation. [Intrinsically Safe Option]	78.60	104.80
KMC-21A	Compact speaker microphone [Intrinsically Safe Option]	47.03	62.70
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic [Intrinsically Safe Option]	50.78	67.70
KHS-7	Single muff headset w/boom mic [Intrinsically Safe Option]	77.78	103.70
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations. [Intrinsically Safe Option]	101.40	135.20
KHS-8BL	Two-Wire palm mic w/earphone (black) [Intrinsically Safe Option]	99.98	133.30
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	161.63	215.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Option]	356.48	475.30
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Option]	362.63	483.50
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band) [Intrinsically Safe Option]	51.75	69.00
KHS-26	Clip Mic w/earphone [Intrinsically Safe Option]	27.23	36.30
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	23.85	31.80
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	29.10	38.80

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- **FPU & Software Applications:** Software License Key Request Form
- **Radio Feature Licenses:** Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-1202TDK	License Key for NXDN Type-D Trunking	8.10	10.80
KWD-1301CN	License Key for DMR Conventional Conversion	33.75	45.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption Note: ARC4 Enhanced Encryption is available only in DMR mode.	27.00	36.00
KWD-1501RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	27.00	36.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable/mobile Note: Requires KPT-300LMC for authentication	83.78	111.70
KPG-22UM	USB Programming interface cable	144.75	193.00

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28	129.70

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L-5075	NX-1000 Series Portables Programming (with basic TX/RX check) Must submit <u>NX-x000 Series Programming Order Form</u> upon placing order for any programming services.	30.38	40.50
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STANDARD



NX-1000 series full keypad portables include:

- Li-ion Battery (KNB-84LA)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Note:

1. To meet IP grades and MIL, radio must be installed with the KNB-84LA and the 2-pin connector cap.

■ GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-470 MHz) Models
- 5 W (450-520 MHz) Models
- NXDN & Analog Mode
- Optional DMR Mode Conversion
- AMBE+2™ VOCODER
- 260 CH-GID / 128 Zones
- Full Keypad Models w/ LCD
- 13-seg, 8-character LCD
- 7-color LED Indicator
- KENWOOD Audio Quality
 - Audio Equalizer: Flat, High, or Low
 - Auto Gain Control: On, High, or Low
 - Noise Suppressor
 - Microphone type selection
- Multiple Scan Functions
 - Dual Priority, Single, Zone, Multi, Scan
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 2 Side PF Keys
- 1W Speaker Audio
- VOX
- Emergency Call Features
- Lone Worker
- Max/Min Volume Setting
- Voice Announcement
- Front Panel Programming Mode
- Manual Dialing (Analog DTMF, Digital Status Messaging and Individual Calling)
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IEC 60529 - IP54/55/67 Water & Dust Intrusion

■ DIGITAL – NXDN® MODE

- NXDN® Conventional & Site Roaming
- NXDN® Type-D Trunking Option
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- NXDN® Scrambler
- NXDN® ESN Validation (for Type-D System)
- Late Entry

■ DIGITAL – DMR MODE (Optional)

- DMR Tier 2 Conventional & Site Roaming
- DMR Auto Slot Select (DASS)
- 12.5 kHz Channels
- Digital / Analog Mixed Mode
- Call Interrupt
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- Over-the-Air Alias
- Late Entry
- ARC4 Encryption Option

■ ANALOG MODE

- Conventional Zones
- FleetSync®: PTT ID, Stun/Revive, Talk back, Selcall
- MDC-1200: PTT ID, Radio Inhibit/Unihit, Radio Check, Emergency
- QT / DQT, Two-Tone, DTMF
- Built-in Voice Inversion Scrambler
- Built-in Compander

OPTIONAL FEATURES

- NXDN Type-D Trunking License (**KWD-1202TDK**)
- DMR Conversion License (**KWD-1301CN**)
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**) *Only applicable after DMR conversion
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

Digital mode conversion & Type-D requires additional firmware loading after applying upgrade license. Please download latest firmware from MyTools website > Product > Firmware

RADIO		EPL	LIST
NX-1200NVK3	VHF (136-174MHz), 5W, 260 CH, LCD & Full Keypad, NXDN/Analog	417.53	556.70
NX-1300NUK3	UHF (450-520MHz), 5W, 260 CH, LCD & Full Keypad, NXDN/Analog	417.53	556.70
NX-1300NUK6	UHF (400-470MHz), 5W, 260 CH, LCD & Full Keypad, NXDN/Analog	417.53	556.70
ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	15.00	20.00
KRA-26M2	VHF helical antenna 162-174 MHz	15.00	20.00
KRA-26M3	VHF helical antenna 136-150 MHz	15.00	20.00
KRA-27M	UHF whip antenna 440-490 MHz	15.00	20.00
KRA-27M2	UHF whip antenna 470-520 MHz	15.00	20.00
KRA-27M3	UHF whip antenna 400-450 MHz	15.00	20.00

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ANTENNAS, CON'T		EPL	LIST
KRA-41M	VHF stubby antenna 148-162 MHz	12.52	16.70
KRA-41M2	VHF stubby antenna 162-174 MHz	12.52	16.70
KRA-41M3	VHF stubby antenna 136-150 MHz	12.52	16.70
KRA-42M	UHF stubby antenna 440-490 MHz	12.52	16.70
KRA-42M2	UHF stubby antenna 470-520 MHz	12.52	16.70
KRA-42M3	UHF stubby antenna 403-430 MHz	12.52	16.70
KRA-22M	VHF low profile antenna 148-162 MHz	15.00	20.00
KRA-22M2	VHF low profile antenna 162-174 MHz	15.00	20.00
KRA-22M3	VHF low profile antenna 136-150 MHz	15.00	20.00
KRA-23M	UHF low profile antenna 450-490 MHz	15.00	20.00
KRA-23M2	UHF low profile antenna 470-520 MHz	15.00	20.00
KRA-23M3	UHF low profile antenna 403-430 MHz	15.00	20.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	59.40	79.20
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	71.63	95.50
KNB-84LA	1900 mAh, Li-ion battery (IEC 60529 - IP67) - requires KSC-35K/SK charger	67.13	89.50
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	33.60	44.80
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L/84LA	28.73	38.30
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L/84LA	33.53	44.70
KMB-28AK	Six Unit Charger Adapter for the KSC-35SK chargers (chargers not included) Note: A supplied in-line AC-DC switching power supply with six DC plugs supply installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	190.88	254.50
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	33.53	44.70
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	7.50	10.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-187	Nylon case for NX-1200/1300 srs (non-DTMF)	13.35	17.80
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) Note: KMC-45 (Non D version) is not compatible with DMR (TDMA) operation.	78.60	104.80
KMC-21A	Compact speaker microphone	47.03	62.70
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	50.78	67.70
KHS-7	Single muff headset w/boom mic	77.78	103.70
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	101.40	135.20
KHS-8BL	Two-Wire palm mic w/earphone (black)	99.98	133.30
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	161.63	215.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	356.48	475.30
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Option]	362.63	483.50
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	51.75	69.00
KHS-26	Clip Mic w/earphone	27.23	36.30
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	23.85	31.80
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	29.10	38.80

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VHF/UHF NXDN & FM Analog Portable Radios

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SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC** & **L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- FPU & Software Applications: Software License Key Request Form
- Radio Feature Licenses: Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-1202TDK	License Key for NXDN Type-D Trunking	8.10	10.80
KWD-1301CN	License Key for DMR Conventional Conversion	33.75	45.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption Note: ARC4 Enhanced Encryption is available only in DMR mode.	27.00	36.00
KWD-1501RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	27.00	36.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable/mobile Note: Requires KPT-300LMC for authentication	83.78	111.70
KPG-22UM	USB Programming interface cable	144.75	193.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28	129.70
L-5075	NX-1000 Series Portables Programming (with basic TX/RX check) Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.	30.38	40.50



NX-1200DV/1300DU

VHF/UHF DMR & FM Analog Portable Radios

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All NX-1000 series portables include:

- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Note:

1. To meet IP grades and MIL, the 2-pin connector cap or accessory must be installed.

STANDARD

■ GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-470 MHz) Models
- 5 W (450-520 MHz) Models
- DMR & Analog Mode
- Optional NXDN Mode Conversion
- AMBE+2™ VOCODER
- 260 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (For Basic Models)
- Basic Models
- Standard Keypad Models (w/ LCD)
- 13-seg, 8-character LCD
- 7-color LED Indicator
- KENWOOD Audio Quality
- Audio Equalizer: Flat, High, or Low
- Auto Gain Control: On, High, or Low
- Noise Suppressor
- Microphone type selection
- Multiple Scan Functions
- Dual Priority, Single, Zone, Multi, Scan
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 2 Side PF Keys
- 1W Speaker Audio
- VOX
- Emergency Call Features
- Lone Worker
- Max/Min Volume Setting
- Voice Announcement
- Front Panel Programming Mode
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- Intrinsically Safe Option

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional & Site Roaming
- DMR Auto Slot Select (DASS)
- 12.5 kHz Channels
- Digital / Analog Mixed Mode
- Call Interrupt
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- Over-the-Air Alias
- Late Entry
- ARC4 Encryption Option

■ DIGITAL – NXDN® MODE (Optional)

- NXDN® Conventional & Site Roaming
- NXDN® Type-D Trunking Option
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- NXDN® Scrambler
- NXDN® ESN Validation (for Type-D System)
- Late Entry

■ ANALOG MODE

- Conventional Zones
- FleetSync®: PTT ID, Stun/Revive, Talk back, Selcall
- MDC-1200: PTT ID, Radio Inhibit/Uninhibit, Radio Check, Emergency
- QT / DQT
- Two-Tone
- DTMF
- Built-in Voice Inversion Scrambler (per channel)
- Built-in Compander (per channel)

OPTIONAL FEATURES

- NXDN Conversion License (**KWD-1201CD**)
- NXDN Type-D Trunking License (**KWD-1202TDK**) *Requires KWD-1201CD enabled
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**)
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

Digital mode conversion & Type-D requires additional firmware loading after applying upgrade license. Please download latest firmware from MyTools website > Product > Firmware

Approved for Class I, Div. 1, Group D and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations.

RADIO		EPL	LIST
NX-1200DVK	VHF (136-174MHz), 5W, 64 CH, Basic Model, DMR/Analog	281.85	375.80
NX-1200DVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog	351.98	469.30
NX-1300DUK	UHF (450-520MHz), 5W, 64 CH, Basic Model, DMR/Analog	281.85	375.80
NX-1300DUK2	UHF (450-520MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog	351.98	469.30
NX-1300DUK4	UHF (400-470MHz), 5W, 64 CH, Basic Model, DMR/Analog	281.85	375.80
NX-1300DUK5	UHF (400-470MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog	351.98	469.30
CSA US APPROVED MODELS		EPL	LIST
All in one package with Radio, Antenna, Battery (KNB-82LCM Intrinsically Safe Battery) and Charger			
NX-1200-ISCDVK	VHF (136-174MHz), 5W, 64 CH, Basic Model, DMR/Analog Note: Can be used in Class I Gas Environment only	417.98	557.30
NX-1200-ISCDVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog Note: Can be used in Class I Gas Environment only	488.03	650.70
NX-1300-ISCDUK	UHF (450-520MHz), 5W, 64 CH, Basic Model, DMR/Analog Note: Can be used in Class I Gas Environment only	417.98	557.30
NX-1300-ISCDUK2	UHF (450-520MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog Note: Can be used in Class I Gas Environment only	488.03	650.70
NX-1300-ISCDUK4	UHF (400-470MHz), 5W, 64 CH, Basic Model, DMR/Analog Note: Can be used in Class I Gas Environment only	417.98	557.30
NX-1300-ISCDUK5	UHF (400-470MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog Note: Can be used in Class I Gas Environment only	488.03	650.70
ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	15.00	20.00
KRA-26M2	VHF helical antenna 162-174 MHz	15.00	20.00

 NX-1200DV/1300DU VHF/UHF DMR & FM Analog Portable Radios		Table of Contents	
KRA-26M3	VHF helical antenna 136-150 MHz	15.00	20.00
KRA-27M	UHF whip antenna 440-490 MHz	15.00	20.00
KRA-27M2	UHF whip antenna 470-520 MHz	15.00	20.00
KRA-27M3	UHF whip antenna 400-450 MHz	15.00	20.00
KRA-41M	VHF stubby antenna 148-162 MHz	12.52	16.70
KRA-41M2	VHF stubby antenna 162-174 MHz	12.52	16.70
KRA-41M3	VHF stubby antenna 136-150 MHz	12.52	16.70
KRA-42M	UHF stubby antenna 440-490 MHz	12.52	16.70
KRA-42M2	UHF stubby antenna 470-520 MHz	12.52	16.70
KRA-42M3	UHF stubby antenna 403-430 MHz	12.52	16.70
KRA-22M	VHF low profile antenna 148-162 MHz	15.00	20.00
KRA-22M2	VHF low profile antenna 162-174 MHz	15.00	20.00
KRA-22M3	VHF low profile antenna 136-150 MHz	15.00	20.00
KRA-23M	UHF low profile antenna 450-490 MHz	15.00	20.00
KRA-23M2	UHF low profile antenna 470-520 MHz	15.00	20.00
KRA-23M3	UHF low profile antenna 403-430 MHz	15.00	20.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	59.40	79.20
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	71.63	95.50
KNB-82LCM	CSA US Intrinsically Safe Battery Li-ion 1900mAh, battery only [Intrinsically Safe Option]	105.00	140.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	33.60	44.80
KSC-35SK	110-220 volt Fast rate single unit charger for KNB-45L/69L	28.73	38.30
KSC-43K	110-220 volt Fast rate single unit charger for KNB-29N/45L/69L	33.53	44.70
KMB-28AK	Six Unit Charger Adapter for the KSC-35SK chargers (chargers not included) Note: A supplied in-line AC-DC switching power supply with six DC plugs supply installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	190.88	254.50
KVC-22	110-220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	33.53	44.70
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	7.50	10.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-187	Nylon case for NX-1200/1300 srs	13.35	17.80

NX-1200DV/1300DU

VHF/UHF DMR & FM Analog Portable Radios

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MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) Note: KMC-45 (Non D version) is not compatible with DMR (TDMA) operation. [Intrinsically Safe Option]	78.60	104.80
KMC-21A	Compact speaker microphone [Intrinsically Safe Option]	47.03	62.70
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic [Intrinsically Safe Option]	50.78	67.70
KHS-7	Single muff headset w/boom mic [Intrinsically Safe Option]	77.78	103.70
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations. [Intrinsically Safe Option]	101.40	135.20
KHS-8BL	Two-Wire palm mic w/earphone (black) [Intrinsically Safe Option]	99.98	133.30
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	161.63	215.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Option]	356.48	475.30
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Option]	362.63	483.50
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band) [Intrinsically Safe Option]	51.75	69.00
KHS-26	Clip Mic w/earphone [Intrinsically Safe Option]	27.23	36.30
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	23.85	31.80
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	29.10	38.80

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- [FPU & Software Applications](#): Software License Key Request Form
- [Radio Feature Licenses](#): Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-1201CD	License Key for NXDN Conventional Conversion	33.75	45.00
KWD-1202TDK	License Key for NXDN Type-D Trunking Note: Requires KWD-1201CD (NXDN Conventional) enabled before applying NXDN Type-D Trunking license.	8.11	10.80
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption Note: ARC4 Enhanced Encryption is available only in DMR mode.	27.00	36.00
KWD-1501RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	27.00	36.00



NX-1200DV/1300DU

VHF/UHF DMR & FM Analog Portable Radios

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SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable/mobile Note: Requires KPT-300LMC for authentication	83.78	111.70
KPG-22UM	USB Programming interface cable	144.75	193.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. <i>KPT-300LMC's History Menu will not display the Radio Features activated by Factory.</i>	97.28	129.70
L-5075	NX-1000 Series Portables Programming (with basic TX/RX check) Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.	30.38	40.50



NX-1200DV/1300DU (K3/K6)

VHF/UHF DMR & FM Analog Portable Radios

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NX-1000 series full keypad portables include:

- Li-ion Battery (KNB-84LA)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Note:

1. To meet IP grades and MIL, radio must be installed with the KNB-84LA and the 2-pin connector cap.

STANDARD

■ GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-470 MHz) Models
- 5 W (450-520 MHz) Models
- DMR & Analog Mode
- Optional NXDN Mode Conversion
- AMBE+2™ VOCODER
- 260 CH-GID / 128 Zones
- Full Keypad Models w/ LCD
- 13-seg, 8-character LCD
- 7-color LED Indicator
- KENWOOD Audio Quality
 - Audio Equalizer: Flat, High, or Low
 - Auto Gain Control: On, High, or Low
 - Noise Suppressor
 - Microphone type selection
- Multiple Scan Functions
 - Dual Priority, Single, Zone, Multi, Scan
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 2 Side PF Keys
- 1W Speaker Audio
- VOX
- Emergency Call Features
 - Lone Worker
 - Max/Min Volume Setting
 - Voice Announcement
- Front Panel Programming Mode
- Manual Dialing
 - (Analog DTMF, Digital Status Messaging and Individual Calling)
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IEC 60529 - IP54/55/67 Water & Dust Intrusion

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional & Site Roaming
- DMR Auto Slot Select (DASS)
- 12.5 kHz Channels
- Digital / Analog Mixed Mode
- Call Interrupt
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- Over-the-Air Alias
- Late Entry
- ARC4 Encryption Option

■ DIGITAL – NXDN® MODE (Optional)

- NXDN® Conventional & Site Roaming
- NXDN® Type-D Trunking Option
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- NXDN® Scrambler
- NXDN® ESN Validation (for Type-D System)
- Late Entry

■ ANALOG MODE

- Conventional Zones
- FleetSync®: PTT ID, Stun/Revive, Talk back, Selcall
- MDC-1200: PTT ID, Radio Inhibit/Unihit, Radio Check, Emergency
- QT / DQT
- Two-Tone
- DTMF
- Built-in Voice Inversion Scrambler (per channel)
- Built-in Compander (per channel)

OPTIONAL FEATURES

- NXDN Conversion License (**KWD-1201CD**)
- NXDN Type-D Trunking License (**KWD-1202TDK**) *Requires KWD-1201CD enabled
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**)
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

Digital mode conversion & Type-D requires additional firmware loading after applying upgrade license. Please download latest firmware from MyTools website > Product > Firmware

RADIO		EPL	LIST
NX-1200DVK3	VHF (136-174MHz), 5W, 260 CH, Full Keypad Model, DMR/Analog	417.53	556.70
NX-1300DUK3	UHF (450-520MHz), 5W, 260 CH, Full Keypad Model, DMR/Analog	417.53	556.70
NX-1300DUK6	UHF (400-470MHz), 5W, 260 CH, Full Keypad Model, DMR/Analog	417.53	556.70
ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	15.00	20.00
KRA-26M2	VHF helical antenna 162-174 MHz	15.00	20.00
KRA-26M3	VHF helical antenna 136-150 MHz	15.00	20.00
KRA-27M	UHF whip antenna 440-490 MHz	15.00	20.00
KRA-27M2	UHF whip antenna 470-520 MHz	15.00	20.00
KRA-27M3	UHF whip antenna 400-450 MHz	15.00	20.00



NX-1200DV/1300DU (K3/K6)

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ANTENNAS, CON'T		EPL	LIST
KRA-41M	VHF stubby antenna 148-162 MHz	12.52	16.70
KRA-41M2	VHF stubby antenna 162-174 MHz	12.52	16.70
KRA-41M3	VHF stubby antenna 136-150 MHz	12.52	16.70
KRA-42M	UHF stubby antenna 440-490 MHz	12.52	16.70
KRA-42M2	UHF stubby antenna 470-520 MHz	12.52	16.70
KRA-42M3	UHF stubby antenna 403-430 MHz	12.52	16.70
KRA-22M	VHF low profile antenna 148-162 MHz	15.00	20.00
KRA-22M2	VHF low profile antenna 162-174 MHz	15.00	20.00
KRA-22M3	VHF low profile antenna 136-150 MHz	15.00	20.00
KRA-23M	UHF low profile antenna 450-490 MHz	15.00	20.00
KRA-23M2	UHF low profile antenna 470-520 MHz	15.00	20.00
KRA-23M3	UHF low profile antenna 403-430 MHz	15.00	20.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	59.40	79.20
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	71.63	95.50
KNB-84LA	1900 mAh, Li-ion battery (IEC 60529 - IP67) - requires KSC-35K/SK charger	67.13	89.50
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	33.60	44.80
KSC-35SK	110-220 volt Fast rate single unit charger for KNB-45L/69L	28.73	38.30
KSC-43K	110-220 volt Fast rate single unit charger for KNB-29N/45L/69L	33.53	44.70
KMB-28AK	Six Unit Charger Adapter for the KSC-35SK chargers (chargers not included) Note: A supplied in-line AC-DC switching power supply with six DC plugs supply installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	190.88	254.50
KVC-22	110-220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	33.53	44.70
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	7.50	10.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-187	Nylon case for NX-1200/1300 srs (non-DTMF)	13.35	17.80
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) Note: KMC-45 (Non D version) is not compatible with DMR (TDMA) operation.	78.60	104.80
KMC-21A	Compact speaker microphone	47.03	62.70
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	50.78	67.70
KHS-7	Single muff headset w/boom mic	77.78	103.70
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	101.40	135.20
KHS-8BL	Two-Wire palm mic w/earphone (black)	99.98	133.30
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	161.63	215.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	356.48	475.30
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Option]	362.63	483.50
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	51.75	69.00
KHS-26	Clip Mic w/earphone	27.23	36.30
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	23.85	31.80
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	29.10	38.80

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

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- [FPU & Software Applications](#): Software License Key Request Form
- [Radio Feature Licenses](#): Radio Feature License Keys Request Form



NX-1200DV/1300DU (K3/K6)

VHF/UHF DMR & FM Analog Portable Radios

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Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.



NX-1200DV/1300DU (K3/K6)

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Radio Features		EPL	LIST
KWD-1201CD	License Key for NXDN Conventional Conversion	33.75	45.00
KWD-1202TDK	License Key for NXDN Type-D Trunking Note: Requires KWD-1201CD (NXDN Conventional) enabled before applying NXDN Type-D Trunking license.	8.11	10.80
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption Note: ARC4 Enhanced Encryption is available only in DMR mode.	27.00	36.00
KWD-1501RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	27.00	36.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable/mobile Note: Requires KPT-300LMC for authentication	83.78	111.70
KPG-22UM	USB Programming interface cable	144.75	193.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. <u>KPT-300LMC's History Menu will not display the Radio Features activated by Factory.</u>	97.28	129.70
L-5075	NX-1000 Series Portables Programming (with basic TX/RX check) Must submit <u>NX-x000 Series Programming Order Form</u> upon placing order for any programming services.	30.38	40.50

NX-1200AV/1300AU

VHF/UHF Digital Upgradeable Portable Radios

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All NX-1000 series portables include:

- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

STANDARD

■ GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-470 MHz) Models
- 5 W (450-520 MHz) Models
- Analog Mode
- Optional NXDN Upgrade
- Optional DMR Upgrade
- AMBE+2™ VOCODER for optional digital modes
- 260 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (For Basic Models)
- Basic Models
- Standard Keypad Models w/ LCD
- 13-seg, 8-character LCD
- 7-color LED Indicator
- KENWOOD Audio Quality
 - Audio Equalizer: Flat, High, or Low
 - Auto Gain Control: On, High, or Low
 - Noise Suppressor
 - Microphone type selection
- Multiple Scan Functions
 - Dual Priority, Single, Zone, Multi, Scan
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 2 Side PF Keys
- 1W Speaker Audio
- VOX
- Emergency Call Features
- Lone Worker
- Max/Min Volume Setting
- Voice Announcement
- Front Panel Programming Mode
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion

■ ANALOG MODE

- Conventional Zones
- FleetSync®: PTT ID, Stun/Revive, Talk back, Selcall
- MDC-1200: PTT ID, Radio Inhibit/Unihabit, Radio Check, Emergency
- QT / DQT
- Two-Tone
- DTMF
- Built-in Voice Inversion Scrambler (per channel)
- Built-in Compander (per channel)

■ DIGITAL – NXDN® MODE (Optional)

- NXDN® Conventional & Site Roaming
- NXDN® Type-D Trunking Option
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- NXDN® Scrambler
- NXDN® ESN Validation (for Type-D System)
- Late Entry

■ DIGITAL – DMR MODE (Optional)

- DMR Tier 2 Conventional & Site Roaming
- DMR Auto Slot Select (DASS)
- 12.5 kHz Channels
- Digital / Analog Mixed Mode
- Call Interrupt
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- Over-the-Air Alias
- Late Entry
- ARC4 Encryption Option

OPTIONAL FEATURES

- NXDN Conventional Upgrade License (**KWD-1200CAK**)
- NXDN Type-D Trunking License (**KWD-1202TDK**) *Requires KWD-1200CAK enabled
- DMR Tier 2 Conventional Upgrade License (**KWD-1300CAK**)
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**) *Only applicable after DMR conversion
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

Digital mode conversion & Type-D requires additional firmware loading after applying upgrade license. Please download latest firmware from MyTools website > Product > Firmware

Note:

- To meet IP grades and MIL, the 2-pin connector cap or accessory must be installed.

RADIO		EPL	LIST
NX-1200AVK	VHF (136-174MHz), 5W, 64 CH, Basic, Analog	259.50	346.00
NX-1200AVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, Analog	322.13	429.50
NX-1300AUK	UHF (450-520MHz), 5W, 64 CH, Basic, Analog	259.50	346.00
NX-1300AUK2	UHF (450-520 MHz), 5W, 260 CH, LCD & Standard Keypad, Analog	322.13	429.50
NX-1300AUK4	UHF (400-470MHz), 5W, 64 CH, Basic, Analog	259.50	346.00
NX-1300AUK5	UHF (400-470 MHz), 5W, 260 CH, LCD & Standard Keypad, Analog	322.13	429.50
ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	15.00	20.00
KRA-26M2	VHF helical antenna 162-174 MHz	15.00	20.00
KRA-26M3	VHF helical antenna 136-150 MHz	15.00	20.00
KRA-27M	UHF whip antenna 440-490 MHz	15.00	20.00
KRA-27M2	UHF whip antenna 470-520 MHz	15.00	20.00

NX-1200AV/1300AU

VHF/UHF Digital Upgradeable Portable Radios

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KRA-27M3	UHF whip antenna 400-450 MHz	15.00	20.00
KRA-41M	VHF stubby antenna 148-162 MHz	12.52	16.70
KRA-41M2	VHF stubby antenna 162-174 MHz	12.52	16.70
KRA-41M3	VHF stubby antenna 136-150 MHz	12.52	16.70
KRA-42M	UHF stubby antenna 440-490 MHz	12.52	16.70
KRA-42M2	UHF stubby antenna 470-520 MHz	12.52	16.70
KRA-42M3	UHF stubby antenna 403-430 MHz	12.52	16.70
KRA-22M	VHF low profile antenna 148-162 MHz	15.00	20.00
KRA-22M2	VHF low profile antenna 162-174 MHz	15.00	20.00
KRA-22M3	VHF low profile antenna 136-150 MHz	15.00	20.00
KRA-23M	UHF low profile antenna 450-490 MHz	15.00	20.00
KRA-23M2	UHF low profile antenna 470-520 MHz	15.00	20.00
KRA-23M3	UHF low profile antenna 403-430 MHz	15.00	20.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	59.40	79.20
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	71.63	95.50
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	33.60	44.80
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	28.73	38.30
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	33.53	44.70
KMB-28AK	Six Unit Charger Adapter for the KSC-35SK chargers (chargers not included) Note: A supplied in-line AC-DC switching power supply with six DC plugs supply installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	190.88	254.50
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	33.53	44.70
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	7.50	10.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-187	Nylon case for NX-1200/1300 srs	13.35	17.80
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	78.60	104.80
KMC-21A	Compact speaker microphone	47.03	62.70
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	50.78	67.70
KHS-7	Single muff headset w/boom mic	77.78	103.70
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	101.40	135.20
KHS-8BL	Two-Wire palm mic w/earphone (black)	99.98	133.30
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	161.63	215.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	356.48	475.30
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	362.63	483.50
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	51.75	69.00
KHS-26	Clip Mic w/earphone	27.23	36.30
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	23.85	31.80
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	29.10	38.80

NX-1200AV/1300AU

VHF/UHF Digital Upgradeable Portable Radios

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SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- FPU & Software Applications: Software License Key Request Form
- Radio Feature Licenses: Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-1200CAK	License Key for NXDN Conventional Upgrade	33.75	45.00
KWD-1202TDK	License Key for NXDN Type-D Trunking Note: Requires KWD-1200CAK (NXDN Conventional) enabled before applying NXDN Type-D Trunking license.	8.11	10.80
KWD-1300CAK	License Key for DMR Tier2 Conventional Upgrade	33.75	45.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption Note: ARC4 Enhanced Encryption is available only in DMR mode.	27.00	36.00
KWD-1501RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	27.00	36.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable/mobile Note: Requires KPT-300LMC for authentication	83.78	111.70
KPG-22UM	USB Programming interface cable	144.75	193.00

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. <u>KPT-300LMC's History Menu will not display the Radio Features activated by Factory.</u>	97.28	129.70
L-5075	NX-1000 Series Portables Programming (with basic TX/RX check) Must submit <u>NX-x000 Series Programming Order Form</u> upon placing order for any programming services.	30.38	40.50

NX-1202AV/1302AU

VHF/UHF Digital Upgradeable Portable Radios

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STANDARD

■ GENERAL FEATURES

- 2 W (136-174 MHz) Models
- 2 W (450-520 MHz) Models
- Analog Mode
- Optional NXDN Upgrade
- Optional DMR Upgrade
- AMBE+2™ VOCODER for optional digital modes
- 64 CH-GID / 4 Zones
- Basic Models
- 7-color LED Indicator
- KENWOOD Audio Quality
 - Audio Equalizer: Flat, High, or Low
 - Auto Gain Control: On, High, or Low
 - Noise Suppressor
- Microphone type selection
- Multiple Scan Functions
 - Dual Priority, Single, Zone, Multi, Scan
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 2 Side PF Keys
- 1W Speaker Audio
- VOX
- Emergency Call Features
- Lone Worker
- Max/Min Volume Setting
- Voice Announcement
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion

■ ANALOG MODE

- Conventional Zones
- FleetSync®: PTT ID, Stun/Revive, Talk back, Selcall
- MDC-1200: PTT ID, Radio Inhibit/Unihabit, Radio Check, Emergency
- QT / DQT
- Two-Tone
- DTMF
- Built-in Voice Inversion Scrambler (per channel)
- Built-in Compander (per channel)

■ DIGITAL – NXDN® MODE (Optional)

- NXDN® Conventional & Site Roaming
- NXDN® Type-D Trunking Option
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- NXDN® Scrambler
- NXDN® ESN Validation (for Type-D System)
- Late Entry

■ DIGITAL – DMR MODE (Optional)

- DMR Tier 2 Conventional & Site Roaming
- DMR Auto Slot Select (DASS)
- 12.5 kHz Channels
- Digital / Analog Mixed Mode
- Call Interrupt
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- Over-the-Air Alias (TX only / No display)
- Late Entry
- ARC4 Encryption Option

All NX-1000 series portables include:

- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

OPTIONAL FEATURES

Note:

- To meet IP grades and MIL, the 2-pin connector cap or accessory must be installed.

- NXDN Conventional Upgrade License (**KWD-1200CAK**)
- NXDN Type-D Trunking License (**KWD-1202TDK**) *Requires KWD-1200CAK enabled
- DMR Tier 2 Conventional Upgrade License (**KWD-1300CAK**)
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**) *Only applicable after DMR conversion
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

Digital mode conversion & Type-D requires additional firmware loading after applying upgrade license. Please download latest firmware from MyTools website > Product > Firmware

RADIO		EPL	LIST
NX-1202AVK	VHF (136-174MHz), 2W, 64 CH, Basic Model, Analog	234.15	312.20
NX-1302AUK	UHF (450-520MHz), 2W, 64 CH, Basic Model, Analog	234.15	312.20
ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	15.00	20.00
KRA-26M2	VHF helical antenna 162-174 MHz	15.00	20.00
KRA-26M3	VHF helical antenna 136-150 MHz	15.00	20.00
KRA-27M	UHF whip antenna 440-490 MHz	15.00	20.00
KRA-27M2	UHF whip antenna 470-520 MHz	15.00	20.00
KRA-41M	VHF stubby antenna 148-162 MHz	12.52	16.70
KRA-41M2	VHF stubby antenna 162-174 MHz	12.52	16.70
KRA-41M3	VHF stubby antenna 136-150 MHz	12.52	16.70
KRA-42M	UHF stubby antenna 440-490 MHz	12.52	16.70

NX-1202AV/1302AU

VHF/UHF Digital Upgradeable Portable Radios

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KRA-42M2	UHF stubby antenna 470-520 MHz	12.52	16.70
KRA-22M	VHF low profile antenna 148-162 MHz	15.00	20.00
KRA-22M2	VHF low profile antenna 162-174 MHz	15.00	20.00
KRA-22M3	VHF low profile antenna 136-150 MHz	15.00	20.00
KRA-23M	UHF low profile antenna 450-490 MHz	15.00	20.00
KRA-23M2	UHF low profile antenna 470-520 MHz	15.00	20.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	59.40	79.20
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	71.63	95.50
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	33.60	44.80
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	28.73	38.30
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	33.53	44.70
KMB-28AK	Six Unit Charger Adapter for the KSC-35SK chargers (chargers not included) Note: A supplied in-line AC-DC switching power supply with six DC plugs supply installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	190.88	254.50
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	33.53	44.70
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	7.50	10.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-187	Nylon case for NX-1200/1300 srs	13.35	17.80
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	78.60	104.80
KMC-21A	Compact speaker microphone	47.03	62.70
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	50.78	67.70
KHS-7	Single muff headset w/boom mic	77.78	103.70
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	101.40	135.20
KHS-8BL	Two-Wire palm mic w/earphone (black)	99.98	133.30
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	161.63	215.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	356.48	475.30
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	362.63	483.50
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	51.75	69.00
KHS-26	Clip Mic w/earphone	27.23	36.30
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	23.85	31.80
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	29.10	38.80

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VHF/UHF Digital Upgradeable Portable Radios

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SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC** & **L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- FPU & Software Applications: Software License Key Request Form
- Radio Feature Licenses: Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-1200CAK	License Key for NXDN Conventional Upgrade	33.75	45.00
KWD-1202TDK	License Key for NXDN Type-D Trunking Note: Requires KWD-1200CAK (NXDN Conventional) enabled before applying NXDN Type-D Trunking license.	8.11	10.80
KWD-1300CAK	License Key for DMR Tier2 Conventional Upgrade	33.75	45.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption Note: ARC4 Enhanced Encryption is available only in DMR mode.	27.00	36.00
KWD-1501RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	27.00	36.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable/mobile Note: Requires KPT-300LMC for authentication	83.78	111.70
KPG-22UM	USB Programming interface cable	144.75	193.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. <u>KPT-300LMC's History Menu will not display the Radio Features activated by Factory.</u>	97.28	129.70
L-5075	NX-1000 Series Portables Programming (with basic TX/RX check) Must submit <u>NX-x000 Series Programming Order Form</u> upon placing order for any programming services.	30.38	40.50

ProTalk**PKT-23**

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UHF BRS Portable Radios**LT series portable includes:**

- Spring action belt clip
- Drop-in charger
- Fixed Antenna
- 1430 mAh Li-ion Battery
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES

- UHF 1.5 Watt or 500 mW Transmit Power
- Extra Durable Polycarbonate Housing
- Small (1.8" W x 0.8" D x 3.3 H) & Lightweight (3.9 oz)
- Li-Ion battery with over 11 Hours Talk Time (5/5/90 duty cycle)
- Over 15 Hours Talk Time (with Battery Save On) 5/5/90 duty cycle
- 4 Channel Operation (factory pre-set)
- 99 User-Programmable Memory Bank Frequencies
- Channel Scan
- Wireless Cloning Mode
- Key Lock/Super Lock
- User Programmable QT (39) and DQT (168) Signaling
- Bell Tone Alert
- Speaker Mute Function
- VOX (Voice-activated transmit) w/5 Sensitivity Levels
- Voice Announcement
- Time Out Timer
- LED Battery Status Indicator
- 2 Function Keys
- 1-PIN Audio Accessory Jack
- Micro USB Port
- Antenna (fixed non-removable)
- Passes IP54 & 11 Rugged Mil-Spec 810 C, D, E, F & G Standards

RADIO		EPL	LIST
PKT-23K	451-470 MHz UHF 1.5W or 500 mW, 4 Ch. Ultra Compact Portable	159.60	212.80
BATTERIES AND CHARGERS		EPL	LIST
   			
KNB-71L	Li-Ion battery (Same as supplied with PKT-23K)	25.73	34.30
KSC-44K	Li-Ion Fast rate charger/AC Power Supply (Same as supplied with PKT-23K)	22.88	30.50
KSC-44MLKS	Multi-unit AC Adapter (Connect up to 6 KSC-44K charger cups)	36.60	48.80
KMB-44K	Six unit Charger Cup Mount and Multi-AC Adapter (Charging Cups not included)	152.25	203.00
CARRYING ACCESSORIES		EPL	LIST
KBH-20M	Belt Clip (Same as supplied with PKT-23K & bulk PKT-23BKP)	8.48	11.30
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KHS-33	Clip Mic w/earphone single pin (only compatible with PKT-23)	27.45	36.30
KHS-34	C-Ring Ear Hanger w/PTT & Mic single pin (only compatible with PKT-23)	33.99	45.30
INSTALLATION / TUNING CHARGES		EPL	LIST
L-1773	Change channel to other frequencies or program PKT-23	16.20	27.00

-- NOTES --

* Please see Kenwood's ProTalk® MAP (Minimum Advertised Price) policy.

NEXEDGE®



NX-5700/5800/5900

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VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios



NX-5000(K-version*) Mobiles include:

- Basic Control Head (KCH-19M)
- Standard Microphone (KMC-65M)
- Mounting Bracket (KMB-33M)
- DC Cable
- Blade Fuse
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

*BK-version comes with a RF deck only
 1. Multi Digital Protocol can be used for two(2) of the three(3) Digital Protocols set by programming software. P25/DMR Digital Protocols are options.

2. Requires **L-5023** DB25 Cable between Decks.

STANDARD

GENERAL FEATURES

- 50 W (136-174 MHz) Models
- 45 W (380-470, 450-520 MHz) Models
- 35 W (700/800 MHz) Models
- 1024 CH-GID / 128 Zones
- Full Color 2.55" (154 x 422 pixels) TFT Display
- Multi-line Text Display
- Function/Status Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- Emergency/AUX Key
- 4W Speaker Audio
- DB-25 Accessory Connector
- Multi Digital Protocol ¹
- Emergency Call Features
- Built-in GPS Receiver
- Built-in Bluetooth® Module
- Built-in 56-bit DES Encryption (4 keys programmable by KPG-D1(N)K)
- Mobile Relay Station² (DMR Mode³)
- Cross Band Repeater (Only)
- Active Noise Reduction (ANR)
- KPG-D1N Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55

DIGITAL – P25 MODE

- P25 Conventional Option
- P25 Phase 1 Trunking Option
- P25 Phase 2 Trunking Option
- Conv/Trunking OTAR Option
- Conventional Voting Scan Option
- Packet Data Option for P25 OTAR & GPS
- Text Data
- Radio Authentication
- Tone Paging

DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking (except 700MHz)
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming (requires KPG-180AP OTAP Manager Software)
- Paging Call
- Emergency Call
- All Group Call
- Digital Two-Tone
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

DIGITAL – DMR MODE

- DMR Tier 2 Conventional Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption Optional
- Site Roaming

ANALOG MODE

- Conventional Zones
- LTR® Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF
- Built-in Voice Inversion Scrambler

Multi-Deck Compatible Models & Modes

Models	Bands	Power	Operable Modes
NX-5600H	Lowband VHF (39-50)	110 Watts	Analog/NXDN
NX-5700	VHF (136-174)	50 Watts	Analog/NXDN/DMR/P25
NX-5700H	VHF (136-174)	110 Watts	Analog/NXDN/P25
NX-5800H	UHF (380-470, 450-520)	100 Watts	Analog/NXDN/P25
NX-5800	UHF (380-470, 450-520)	50 Watts	Analog/NXDN/DMR/P25
NX-5900	7/800	35 Watts	Analog/NXDN/DMR/P25

OPTIONAL FEATURES & CONFIGURATIONS

GENERAL FEATURES

- 4000 Channel (KWD-5000CH)
- Front Panel Programming (KWD-5001FP)
- microSD/microSDHC Memory Card Slot (KWD-5002SD)
- Built-in Bluetooth® Module for Data (KWD-5003BT)
- Remote Control by Subscriber Units (KWD-5007RC)
- 256-bit AES Encryption (KWD-AE30K/31K Encryption Module required)

DIGITAL – P25 MODE

- Conventional Features (KWD-5100CV)
- Phase 1 Trunking Features (KWD-5100CV & 5101TR)
- Phase 2 Trunking Features (KWD-5100CV & 5101TR & 5102TR)
- Conventional OTAR (KWD-5103RK)
- Trunking OTAR (KWD-5103RK & 5106DT)
- Conventional Voting Scan (KWD-5105VT)
- Packet Data required for Trunked OTAR/GPS (KWD-5106DT)
- P25 ARC4 Encryption (KWD-5107EE)
- Link Layer Authentication (KWD-5100CV & KWD-5101TR & KWD-AE3x Encryption Board Required)

DIGITAL – DMR MODE

- DMR Tier 2 Conventional Features (KWD-5300CV)
- DMR Tier 3 Trunking Features (KWD-5300CV & KWD-5301TR)

MOUNTING & REMOTE CONFIGURATIONS

(See NX-5000 Accessory page for details)

- **KCH-20R** Featured Control Head
- **KCH-21R** Handheld Control Head
- Single Remote Control Head (KRK Kit & KCT-71 or KCT-77 Cable required)
- Dual Remote Control Heads (KCH-19/20R/21R & KRK Kit & KCT-71 or KCT-77 Cables required)
- Multiple RF Decks (KRK Kit & KCT-71 or KCT-77 Control Cable + KWD-5004MR License Key Activation required*)



NEXEDGE® P25 DMR		NX-5700/5800/5900		Table of Contents
VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios				
RADIO		EPL	LIST	
NX-5700K	VHF (136-174MHz), 50 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	894.90	1193.20	
NX-5800K	UHF (450-520MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	894.90	1193.20	
NX-5800K2	UHF (380-470MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	894.90	1193.20	
NX-5900K	700 / 800 MHz, 30/35 Watts NXDN Conventional / 800MHz TYPE-C (Gen1/Gen2) Trunking	1140.90	1521.20	
RF Deck Only		EPL	LIST	
MUST purchase necessary accessories separately				
NX-5700BK	VHF (50W, 136-174 MHz) RF Deck Only	657.75	877.00	
NX-5800BK	UHF (45W, 450-520 MHz) RF Deck Only	657.75	877.00	
NX-5800BK2	UHF (45W, 380-470 MHz) RF Deck Only	657.75	877.00	
NX-5900BK	35W, 700/800 MHz RF Deck Only	903.90	1205.20	
SOFTWARE LICENSING & RADIO FEATURE OPTIONS				
IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires KPT-300LMC & L-5000 for activation of Radio Feature licenses.				
Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.				
License Keys will be E-mailed to the address provided on the order form.				
Form is available on MyTools website > Product > Forms				
- FPU & Software Applications: Software License Key Request Form				
- Radio Feature Licenses: Radio Feature License Keys Request Form				
Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.				
General Radio Features		EPL	LIST	
KWD-5000CH	License Key for 4000 Channel Expansion	340.28	453.70	
KWD-5001FP	License Key for Front Panel Programming	243.00	324.00	
KWD-5002SD	License Key for microSD Memory Card Slot Activation	84.98	113.30	
KWD-5003BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80	
KWD-5004MR	License Key for Multiple RF Decks Receiver Note: Required ONLY for the radios with S/N: B5900000 or earlier.	N/C	N/C	
KWD-5007RC	License Key for Remote Control by Subscriber Units Note: - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	32.40	43.20	
P25 Radio Features		EPL	LIST	
KWD-5100CV	License Key for P25 Conventional	465.75	621.00	
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV) Note: Required for Link Layer Authentication	421.28	561.70	
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	324.00	432.00	
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	567.00	756.00	
KWD-5105VT	License Key for P25 Conventional Voting Scan	97.30	129.70	
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	145.73	194.30	
KWD-5107EE	License Key for P25 ARC4 Enhanced Encryption	NC	NC	
DMR Features		EPL	LIST	
KWD-5300CV	License Key for DMR Tier 2 Conventional	48.60	64.80	
KWD-5301TR	License Key for DMR Tier 3 Trunking (requires KWD-5300CV)	108.00	144.00	
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20	
Other Accessories, Software, and Services				
Refer to NX-5000 series mobile accessory pages				

NEXEDGE®

P25

NX-5700H/5800H

VHF/UHF Digital & FM Analog Mobile Radio

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NX-5000HBF Mobiles include:

- High Power Radio
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

STANDARD

■ GENERAL FEATURES

- 110 W (136 -174 MHz) Model
- 100 W (380 - 450, 450 - 520 MHz) Model
- 1024 CH-GID / 128 Zones
- Multi-Digital Operation in NXDN/P25
- Support NX-5000 Remote Control Head Options
- Multi-RF Deck Configuration Available (Lowband, VHF, 380-470, 450-520, 7&800)
- Built-in Micro USB A-B Interface
- Horn Alert / Public Address
- Built-in GPS Receiver
- Built-in Bluetooth® Module
- Built-in 56-bit DES Encryption (4 keys programmable by KPG-D1N)
- Optional 256-bit AES Encryption
- 12 Watt Audio Output
- DB-25 & Molex 9-pin Accessory Connector
- Active Noise Reduction (ANR)
- KPG-D1N Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G

■ DIGITAL – P25 MODE

- P25 Conventional
- P25 Phase 1 Trunking Option
- P25 Phase 2 Trunking Option
- Conv/Trunking OTAR Option
- Packet Data Option for P25 OTAR & GPS
- Conventional Voting Scan Option
- Text Data
- Radio Authentication
- Tone Paging
- ARC4 Encryption Option

■ DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking Option
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming (requires KPG-180AP OTAP Manager Software)
- Paging Call
- Emergency Call
- All Group Call
- Digital Two-Tone
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

■ ANALOG MODE

- Conventional Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF
- Built-in Voice Inversion Scrambler

OPTIONAL FEATURES & CONFIGURATIONS

■ GENERAL FEATURES

- 4000 Channel (KWD-5000CH)
- Front Panel Programming (KWD-5001FP)
- microSD/microSDHC Memory Card Slot (KWD-5002SD)
- Built-in Bluetooth® Module for Data (KWD-5003BT)
- Remote Control by Subscriber Units (KWD-5007RC)
- 256-bit AES Encryption (KWD-AE30K/31K Encryption Module required)

■ DIGITAL – P25 MODE

- Conventional Features (Factory Installed)
- Phase 1 Trunking Features (KWD-5101TR)
- Phase 2 Trunking Features (KWD-5101TR & 5102TR)
- Conventional OTAR (KWD-5103RK)
- Trunking OTAR (KWD-5103RK & 5106DT)
- Conventional Voting Scan (KWD-5105VT)
- Packet Data required for Trunked OTAR/GPS (KWD-5106DT)
- P25 ARC4 Encryption (KWD-5107EE)
- Link Layer Authentication (KWD-5101TR & KWD-AE3x Encryption Board Required)

■ DIGITAL – NXDN MODE

- Conventional Features (Factory Installed)
- Type-C Trunking Features (KWD-5201TR)

■ Multi-Deck Compatible Models & Modes

Models	Bands	Power	Operable Modes
NX-5600H	Lowband VHF (39-50)	110 Watts	Analog/NXDN
NX-5700	VHF (136-174)	50 Watts	Analog/NXDN/DMR/P25
NX-5700H	VHF (136-174)	110 Watts	Analog/NXDN/P25
NX-5800H	UHF (380-470, 450-520)	100 Watts	Analog/NXDN/P25
NX-5800	UHF (380-470, 450-520)	50 Watts	Analog/NXDN/DMR/P25
NX-5900	7/800	35 Watts	Analog/NXDN/DMR/P25

■ MOUNTING & REMOTE CONFIGURATIONS

(See NX-5000 Accessory page for details)

- KCH-19 Basic Control Head
- KCH-20R Featured Control Head
- KCH-21R Handheld Control Head
- Single Remote Control Head (KRK Kit & KCT-71 or KCT-77 Cable required)
- Dual Remote Control Heads (KCH-19/20R/21R & KRK Kit & KCT-71 or KCT-77 Cables required)
- Multiple RF Decks (KRK Kit & KCT-71 or KCT-77 Control Cable)



NEXEDGE®



NX-5700H/5800H

VHF/UHF Digital & FM Analog Mobile Radio

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RF Deck Only		EPL	LIST
<i>MUST purchase necessary accessories separately</i>			
NX-5700HBF	NX-5700HBF (110W, 136-174 MHz) RF Deck Only, NXDN Conv & P25 Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1843.28	2457.70
NX-5800HBF	NX-5800HBF (100W, 450-520 MHz) RF Deck Only, NXDN Conv & P25 Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1843.28	2457.70
NX-5800HBF2	NX-5800HBF2 (100W, 380-470 MHz) RF Deck Only, NXDN Conv & P25 Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1842.28	2457.70

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- [FPU & Software Applications](#): Software License Key Request Form
- [Radio Feature Licenses](#): Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

General Radio Features		EPL	LIST
KWD-5000CH	License Key for 4000 Channel Expansion	340.28	453.70
KWD-5001FP	License Key for Front Panel Programming	243.00	324.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	84.98	113.30
KWD-5003BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80
KWD-5007RC	License Key for Remote Control by Subscriber Units Note: - P25 Mode is <u>NOT</u> available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does <u>NOT</u> require the license.	32.40	43.20

P25 Radio Features		EPL	LIST
KWD-5101TR	License Key for P25 Phase 1 Trunking Note: Required for Link Layer Authentication	421.23	561.70
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5101TR)	324.00	432.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	567.00	756.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	97.23	129.70
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) DO NOT require KWD-5106DT.	145.73	194.30
KWD-5107EE	License Key for P25 ARC4 Enhanced Encryption	NC	NC

NXDN Radio Features		EPL	LIST
KWD-5201TR	License Key for NXDN Type-C Trunking	56.78	75.70

Other Accessories, Software, and Services

Refer to NX-5000 series mobile accessory pages

NEXEDGE®



NX-5600H

Lowband Digital & FM Analog Mobile Radio

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STANDARD



NX-5000HBF Mobiles include:

- High Power Radio
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

■ GENERAL FEATURES

- 110 W (39-50 MHz) Model
- 1024 CH-GID / 128 Zones
- Analog / NXDN Digital Operation
- Support NX-5000 Remote Control Head Options
- Multi-RF Deck Configuration Available (Lowband, VHF, 380-470, 450-520, 7&800)
- Built-in Micro USB A-B Interface
- Horn Alert / Public Address
- Built-in GPS Receiver
- Built-in Bluetooth® Module
- Built-in 56-bit DES Encryption (4 keys programmable by KPG-D1N)
- Optional 256-bit AES Encryption
- 12 Watt Audio Output
- DB-25 & Molex 9-pin Accessory Connector
- Active Noise Reduction (ANR)
- KPG-D1N Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55

■ ANALOG MODE

- Conventional Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF
- Built-in Voice Inversion Scrambler
- Noise Blanker

■ DIGITAL – NXDN® MODE

- NXDN® Conventional
- AMBE+2™ VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming (requires KPG-180AP OTAP Manager Software)
- Paging Call
- Emergency Call
- All Group Call
- Digital Two-Tone
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

OPTIONAL FEATURES & CONFIGURATIONS

■ GENERAL FEATURES

- 4000 Channel (KWD-5000CH)
- Front Panel Programming (KWD-5001FP)
- microSD/microSDHC Memory Card Slot (KWD-5002SD)
- Built-in Bluetooth® Module for Data (KWD-5003BT)
- Remote Control by Subscriber Units (KWD-5007RC)
- 256-bit AES Encryption (KWD-AE30K/31K Encryption Module required)

■ DIGITAL – NXDN MODE

- Conventional Features (Factory Installed)

■ Multi-Deck Compatible Models & Modes

Models	Bands	Power	Operable Modes
NX-5600H	Lowband VHF (39-50)	110 Watts	Analog/NXDN
NX-5700	VHF (136-174)	50 Watts	Analog/NXDN/DMR/P25
NX-5700H	VHF (136-174)	110 Watts	Analog/NXDN/P25
NX-5800H	UHF (380-470, 450-520)	100 Watts	Analog/NXDN/P25
NX-5800	UHF (380-470, 450-520)	50 Watts	Analog/NXDN/DMR/P25
NX-5900	7/800	35 Watts	Analog/NXDN/DMR/P25

■ MOUNTING & REMOTE CONFIGURATIONS

(See NX-5000 Accessory page for details)

- KCH-19 Basic Control Head
- KCH-20R Featured Control Head
- KCH-21R Handheld Control Head
- Single Remote Control Head (KRK Kit & KCT-71 or KCT-77 Cable required)
- Dual Remote Control Heads (KCH-19/20R/21R & KRK Kit & KCT-71 or KCT-77 Cables required)
- Multiple RF Decks (KRK Kit & KCT-71 or KCT-77 Control Cable)



RF Deck Only

MUST purchase necessary accessories separately

EPL

LIST

NX-5600HBF3	NX-5600HBF3 (110W, 39-50 MHz) RF Deck Only, Analog & NXDN Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1595.78	2127.70
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NEXEDGE®



NX-5600H

Lowband Digital & FM Analog Mobile Radio

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SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- FPU & Software Applications: Software License Key Request Form
- Radio Feature Licenses: Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

General Radio Features		EPL	LIST
KWD-5000CH	License Key for 4000 Channel Expansion	340.28	453.70
KWD-5001FP	License Key for Front Panel Programming	243.00	324.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	84.98	113.30
KWD-5003BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80
KWD-5007RC	License Key for Remote Control by Subscriber Units Note: - P25 Mode is <u>NOT</u> available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does <u>NOT</u> require the license.	32.40	43.20

Other Accessories, Software, and Services

Refer to NX-5000 series mobile accessory pages



NX-5000 Series Mobile Accessories

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MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	47.62	63.50
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	86.40	115.20
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug	44.47	59.30
KES-5A	External speaker, 40W max input Note: Requires KCT-72M to connect to Remote Control Head	54.75	73.00
KCT-72M	External Accessory Connection Cable for KCH-19M / KCH-20RM	33.52	44.70
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) Note: NOT compatible with TDMA operations	78.60	104.80
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug)	174.44	232.30
DC POWER CABLES		EPL	LIST
KCT-23M	DC Cable, 35-50W, 10 feet Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	35.77	47.70
KCT-23M3	DC Cable, 35-50W, 23 feet Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	49.27	65.70
KCT-23M2	DC Cable, 75-110W, 10 feet Note: For high power mobiles (NX-5600HB/5700HB) only.	35.77	47.70
KCT-23M4	DC Cable, 75/110W, 23 feet Note: For high power mobiles (NX-5600HB/5700HB) only.	49.29	65.70
MOUNTING BRACKETS		EPL	LIST
KMB-33M	Mounting Bracket Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	12.90	17.20
KMB-36	Mounting Bracket Note: For high power mobiles (NX-5600HB/5700HB) only.	68.77	91.70
CONTROL HEADS		EPL	LIST
KCH-19M	Basic Control Panel	164.02	218.70
KRK-14HM	Control Head Interface Kit for KCH-19M	144.75	193.00
KCH-20RM	Full Featured Remote Control Panel Note: - Remote configuration only. No Internal Speaker included. KES-5A is required. - microSD License (KWD-5002SD) and Bluetooth SPP License (KWD-5003BT) are NOT required for both KCH-20RM and connected RF Decks. KCH-20RM and connected RF Decks can be used of microSD and Bluetooth SPP with NO License Activation.	547.27	729.70
KCH-21RM	Hand Held Control Head for Long Cable *Requires KCT-77M2 (17 ft.) Note: - Bluetooth SPP License (KWD-5003BT) is NOT required for both KCH-21RM and connected RF Decks. KCH-21RM has built-in Bluetooth SPP license that will also activate the connected RF Decks.	908.25	1211.00
KCH-21RM-S	Hand Held Control Head with Short Cable (4 ft.) Note: - Bluetooth SPP License (KWD-5003BT) is NOT required for both KCH-21RM and connected RF Decks. KCH-21RM has built-in Bluetooth SPP license that will also activate the connected RF Decks.	908.25	1211.00
CONTROL HEAD REMOTE KIT (for Mid Power Mobiles)		EPL	LIST
KRK-15BM	Control Head Remote Kit Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	45.60	60.80
REMOTE & MULTI RF DECK CABLES		EPL	LIST
KCT-71M2	Remote Control Cable (17 feet)	64.12	85.50
KCT-71M3	Remote Control Cable (25 feet)	72.97	97.30
KCT-71M4	Remote Control Cable (1.6 feet)	41.02	54.70
KCT-71A50	KCT-71A Extended Control Head Cable (up to 50 ft. max.) Note: Please specify exact length at 1ft. increments when ordering. Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.	170.10	226.80
KCT-71A100	KCT-71A Extended Control Head Cable (up to 100 ft. max.) Note: Please specify exact length at 1ft. increments when ordering. Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.	219.22	292.30
KCT-77M2	Remote Control Cable for KCH-21RM (17 feet)	167.10	222.80



NX-5000 Series Mobile Accessories

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OTHER ACCESSORIES

KCT-46	Ignition sense cable Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	12.52	16.70
KCT-18	Ignition sense cable Note: For high power mobiles (NX-5600HB/5700HB) only.	18.00	24.00
KAP-2	Horn Alert/P.A. Relay Option Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	57.52	76.70
KCT-72M	External Accessory Connection Cable for KCH-19M / KCH-20RM	33.52	44.70
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.02	51.20
KMB-10	Key lock adapter Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	24.00	32.00
KRA-40GM	GPS Antenna	38.10	50.80
KCT-90USB	USB Mobile Cable for SD Card Direct Access Support Note: microSD function requires KWD-5002SD license.	84.97	113.30
KCT-91MRS	DB25 Cable for Mobile Relay Station (Conventional Only) Note: - Mobile Relay Station requires Multi RF Deck Configuration. - Built-in GPS and Bluetooth are not available with Mobile Relay Station. - DMR mode is not available	31.35	41.80
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	158.10	210.80
KMB-34	Control Station Mounting Case for KPS-15 Power Supply with mobile Note: For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	49.27	65.70

RADIO FEATURE LICENSE OPTIONS

Refer to model page for available Radio Feature Licenses.

Radio & Feature compatibility may differ per model.

ENCRYPTION MODULES

		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-5007 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). Note: Required for Link Layer Authentication	775.50	1034.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-5008 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Note: Required for Link Layer Authentication	502.69	670.20
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)	445.65	590.20
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required	297.60	396.80

-- IMPORTANT NOTES regarding ENCRYPTION MODULES--

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, EPLship, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

c) Intended Use of Radios: Law enforcement, security operations, etc



NX-5000 Series Mobile Accessories

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KWD-AE30 AES FIPS140-2 SCM , NIST Validation & Customer Shipping

A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a EPL or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE30K modules to erroneous destinations specified on an order.



NX-5000 Series Mobile Accessories

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REMOTE & MULTI-RF DECK CONFIGURATIONS

DIY - CONFIGURATION GUIDE

NX-5000 series mobile are capable of following configurations using any frequency/power type combinations

- Dash Mount **Mid power models only*
- Single Band / Single Control Head
- Single Band / Dual Control Head
- Dual Band / Single Control Head
- Dual Band / Dual Control Head
- Triple Band / Single Control Head
- Triple Band / Dual Control Head



This order guide is intended for DIY configuring and assembly of NX-5000 multi-deck configuration.
For Factory Assembly orders, refer to convenient Accessory Kit & Assembly Labor codes.

STEP 1. Select Mobile(s) / Up to 3 mobiles of any combination

- Mid Power Mobiles : NX-5700B, NX-5800B, NX-5900B
- High Power Mobiles : NX-5600HB, NX-5700HB, NX-5800HB

STEP 2. Add power cable and bracket / For each Mobile Deck

- Mid Power Mobiles : KCT-23M(10 ft) or KCT-23M3(23ft), KMB-33M(bracket), and KRK-15BM(Control Head Remote Kit)
- High Power Mobiles : KCT-23M2(10 ft) or KCT-23M4(23ft), and KMB-36(bracket)

STEP 3. Select Control Head(s). Up to two Control Heads.

- KCH-19M Basic Control Head + KRK-14HM Control Head Interface Kit
- KCH-20RM Full Featured Control Head + KCT-72M(Acc Connection Port) + KES-5A (Speaker)
- KCH-21RM Handheld Control Head

STEP 4. Add Microphone for each Control Head.

- KMC-65M Standard Microphone
- KMC-66M Microphone with 12 keypad
- or from other 8pin audio input accessories

STEP 5. Select Desired Cable Length (Radio to Control Head)

- For KCH-19M/KCH-20RM Control Heads:
17ft.(KCT-71M2, 25ft. (KCT-71M3), 1.6ft.(KCT-71M4), or custom length (KCT-71A50/KCT-71A100)
- For KCH-21RM Control Head:
17ft. (KCT-77M2)

STEP 6. Add Deck to Deck Connection Cable (ONLY for multi-RF configuration)

- For Dual-band configuration : Requires ONE x KCT-71M4 (1.6ft.)
- For Tri-band configuration : Requires TWO x KCT-71M4 (1.6ft)



NX-5000 Series Mobile Accessories

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CONVENIENT REMOTE & MULTI-RF DECK ACCESSORY KITS

<i>MID POWER / Remote Kit - Single Head / Single RF Deck</i>		<i>EPL</i>	<i>LIST</i>
5ABM	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM, KCT-71M2, KCT-23M3, KMB-33M	528.23	704.30
5AFM	KMC-65M, KCH-20RM, KRK-15BM, KCT-71M2, KCT-23M3, KMB-33M, KES-5A, KCT-72M	855.15	1140.20
5AHM	KCH-21RM, KRK-15BM, KCT-77M2, KCT-23M3, KMB-33M	1183.13	1577.50
<i>MID POWER / Remote Kit - Dual Head / Single RF Deck</i>		<i>EPL</i>	<i>LIST</i>
5ABBM	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KRK-15BM, KCT-71M2(x2), KCT-23M3, KMB-33M	948.75	1265.00
5AFFM	KMC-65M(x2), KCH-20RM(x2), KRK-15BM, KCT-71M2(x2), KCT-23M3, KMB-33M, KES-5A(x2), KCT-72M(x2)	1602.53	2136.70
<i>MID POWER / Remote Kit - Single Head / Dual RF Deck</i>		<i>EPL</i>	<i>LIST</i>
5ABMM	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2)	677.03	902.70
5AFMM	KMC-65M, KCH-20RM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A, KCT-72M	1003.88	1338.50
5AHMM	KCH-21RM, KRK-15BM(x2), KCT-77M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2)	1331.85	1775.80
<i>MID POWER / Remote Kit - Single Head / Dual RF Deck, External Speakers per deck</i>		<i>EPL</i>	<i>LIST</i>
5ABMM-MR	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	901.65	1202.20
5AFMM-MR	KMC-65M, KCH-20RM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	1140.23	1520.30
5AHMM-MR	KCH-21RM, KRK-15BM(x2), KCT-77M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	1556.48	2075.30
<i>MID POWER / Remote Kit - Dual Head / Dual RF Deck</i>		<i>EPL</i>	<i>LIST</i>
5ABMM	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2)	1097.48	1463.30
5AFFMM	KMC-65M(x2), KCH-20RM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KCT-72M(x2)	1751.25	2335.00
<i>MID POWER / Remote Kit - Dual Head / Dual RF Deck, External Speakers per deck</i>		<i>EPL</i>	<i>LIST</i>
5ABMM-MR	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	1322.25	1763.00
5AFFMM-MR	KMC-65M(x2), KCH-20RM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	1799.25	2399.00
<i>HIGH POWER / Single Head Remote Mount Kit</i>		<i>EPL</i>	<i>LIST</i>
6ABMIG	KMC-65M, KCH-19M, KRK-14HM, KCT-71M2, KCT-23M4, KCT-18, KMB-36	556.50	742.00
6AFMIG	KMC-65M, KCH-20RM, KCT-71M2, KCT-23M4, KCT-72M, KES-5A, KCT-18, KMB-36	883.23	1177.70
6AHMIG	KCH-21RM, KCT-77M2, KCT-23M4, KCT-18, KMB-36	1211.40	1615.20
<i>HIGH POWER / Single Remote Mount / Dual High Power RF Deck</i>		<i>EPL</i>	<i>LIST</i>
6AFMMIG	KMC-65M, KCH-20RM, KCT-71M2, KCT-23M4(x2), KCT-72M, KES-5A, KCT-18(x2), KMB-36 (x2), KCT-71M4	1060.28	1413.70
<i>HIGH POWER / Single Deck Dual Head Remote Mount</i>		<i>EPL</i>	<i>LIST</i>
6ABBMIG	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KCT-71M2(x2), KCT-23M4, KCT-18, KMB-36	977.03	1302.70
6AFFMIG	KMC-65M(x2), KCH-20RM(x2), KCT-71M2(x2), KCT-23M4, KCT-72M(x2), KES-5A(x2), KCT-18, KMB-36	1630.65	2174.20



NX-5000 Series Mobile Accessories

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REMOTE & MULTI-RF DECK ASSEMBLY LABORS

EPL

LIST

Basic assembly and setup service for Remote & Multi-RF Deck configurations.

Note1: MUST submit the Remote Mount Configuration Request Form for multi-band system

Note2: When mixing two accessory kits to configure one multi-band system, you MUST add ONE KCT-71M4 cable to your order.

Ordering Example: Creating Tri-Deck (2 mid power + 1 high power deck)

- 2 x **NX-5x00BK** Any of mid power deck, any band
- 1 x **NX-5x00HBF** Any of high power deck, any band
- 1 x **5AFMM** Accessory kit for two mid power decks
- 1 x **KCT-71M4** Connector cable to bridge two accessory packages
- 1 x **6AFMIG** Accessory kit for high power deck
- 1 x **L-5037** Labor code for Triple Deck Radio assembly

As a result, radio is configured as... **two control heads, triple deck connected, with 2 mid power and 1 high power deck.**

Note3: MUST purchase NX-5x00(H)B RF Decks and corresponding Remote Kit(s) with all listed labors.

L-5029	Factory Assembly & Factory Packing for Single Head Remote Kit and Radio	60.75	81.00
L-5030	Factory Assembly & Factory Packing for Dual Head Remote Kit and Radio	114.00	151.20
L-5031	Factory Assembly & Factory Packing for Single Head Remote Kit and Dual Deck Radio	68.85	91.80
L-5032	Factory Assembly & Factory Packing for Single Head / Dual Deck / Ext. Speakers	121.90	162.00
L-5033	Factory Assembly & Factory Packing for Dual Head and Dual Deck Radio	121.90	162.00
L-5034	Factory Assembly & Factory Packing for Dual Head / Dual Deck / Ext. Speakers	125.48	167.30
L-5035	Factory Assembly & Factory Packing for Single Head Remote and Triple Deck Radio	114.00	151.20
L-5037	Factory Assembly & Factory Packing for Dual Head and Triple Deck Radio	129.60	172.80

INSTALLATION / TUNING SERVICES

EPL

LIST

L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28	129.70
L-5006	NX-5000 Mobile Programming (with basic TX/RX check)	30.38	40.50
L-5007	Install KWD-AE30K in NX-5000 series Mobile (Must purchase module separately)	60.75	81.00
L-5008	Install KWD-AE31K in NX-5000 series Mobile (Must purchase module separately)	60.75	81.00
L-5015	Install KAP-2 (Default) HR1/ INTERNAL Sp./PA. Note: This labor code is only for individual orders for mobile configuration. The labor code (L-5032, 5034, and 5036) for Multi RF Deck Configuration Package includes installation of KAP-2.	20.25	27.00
L-5019	Install KAP-2 (Default) HR1/ EXTERNAL Sp./PA. Note: This labor code is only for individual orders for mobile configuration. The labor code (L-5032, 5034, and 5036) for Multi RF Deck Configuration Package includes installation of KAP-2.	20.25	27.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	40.50	54.00
L-5077	FSFS++ Forest Service Feature Set - Factory Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning Note: Must purchase <u>per Radio</u> • This feature set is provided by custom firmware based on V4.21.00 firmware. • Feature set is applicable for analog conventional / P25 conventional modes only. • Feature set does not support mobile multi-deck configuration. • Feature set will not work with any other firmware options or customized firmware. • Custom firmware is not eligible for warranty compensation.	48.60	64.80
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning Note: Purchase per application - <u>provided as Custom FW for unlimited radios</u> <u>To PLACE AN ORDER</u> , submit "Kenwood LMR Customization Application" form along with your PO to Land Mobile Order Desk via email (LMRorderdesk@us.jvckenwood.com) or fax (310-761-8246). • This feature set is provided as custom firmware based on V4.21.00 firmware. • Feature set is applicable for analog conventional / P25 conventional modes only. • Feature set does not support Mobile multi-deck configuration. • Feature set will not work with any other firmware options or customized firmware. • Custom firmware is not eligible for warranty compensation.	1134.00	1512.00



NX-5000 Series Mobile Accessories

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SOFTWARE LICENSING & RADIO FEATURE OPTIONS

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- [FPU & Software Applications](#): Software License Key Request Form
- [Radio Feature Licenses](#): Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D1NK	License Key for KPG-D1NK Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1) Note: Requires KPT-300LMC for authentication Note: Requires P25 Trunk system programming privileges for P25 Trunk programming. Must purchase L-5005 or KWD-ASK Hardware Access Keys	147.75	167.30
L-5005	KPG-D1NK System Key File (SKF) Note: Enables P25 Trunked system programming privileges in a KPG-D1NK. - Restricted Purchase Requirements - • Trunked system operator (SYSOP) must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Must have KPG-D1NK. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • Non-SYSOP entities ordering L-5005 must provide verifiable written authorization from SYSOP to receive an *.SKF file. • 3-digit HEX HSID are securely encrypted & embedded in the *.SKF file.	106.65	142.20
KWD-ASK-MK	Master Key for activating KWD-ASK-AK Access Keys - Restricted Purchase Requirements - Notes: • For NX-5000 series only. • Sold to trunked system operator (SYSOP) or SYSOP authorized entities only • Must have KPG-D1NK • SYSOP must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Purchase KWD-ASK-AK Access Keys if needed.	455.78	607.70
KWD-ASK-AK	Access Key for KPG-D1NK P25 trunked programming Notes: Enables P25 Trunked system programming privileges in a KPG-D1NK. • For NX-5000 series only • Must be activated by trunked system operator (SYSOP) with KWD-ASK-MK Master Key • Must have KPG-D1NK • Configurable expiration period of KWD-ASK-AK set by KWD-ASK-MK is available for 3 years for built in battery. USB Key must be replaced since the expiration set up dose not work after 3 years.	190.88	254.50
KPG-115	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	255.19	340.20
KPG-115AUT	KVL-4000 Radio Authentication Cable Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	320.10	426.80
KPG-46XM	Full Speed USB Programming interface cable Note: This cable with USB mode may be used for SD Card Direct Access.	144.75	193.00
KPG-CLN-RJ45	Mobile-to-Mobile Cloning Cable (RJ45:RJ45), 3m	156.53	208.70
FleetSync® & NEXEDGE® AVL & MESSAGING		EPL	LIST
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch Note: - Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft® MapPoint® 2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for details. - NEXEDGE Gen2. Tvoe-D Trunking and DMR System not supported.	351.53	468.70



NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

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All NX-3000 Series Mobiles include:

- Standard Microphone (KMC-65M)
- Mounting Bracket
- DC Cable
- Blade Fuse
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

Because of spurious signal (birdie), the following frequencies (and $\pm 7.5\text{kHz}$ ranges) are not allowed ;

- | | | |
|------------|------------|------------|
| • 139.2000 | • 403.2000 | • 460.8000 |
| • 144.0000 | • 408.0000 | • 465.6000 |
| • 148.8000 | • 412.8000 | • 470.4000 |
| • 153.6000 | • 417.6000 | • 475.2000 |
| • 158.4000 | • 422.4000 | • 480.0000 |
| • 163.2000 | • 427.2000 | • 484.8000 |
| • 166.4000 | • 432.0000 | • 489.6000 |
| • 168.0000 | • 436.8000 | • 494.4000 |
| • 172.8000 | • 441.6000 | • 499.2000 |
| | • 446.4000 | • 504.0000 |
| | • 451.2000 | • 508.8000 |
| | • 456.0000 | • 513.6000 |
| | | • 518.4000 |

1. Designed to operate digital, DMR OR NXDN, along with analog FM; a single digital protocol selected with programming software.

STANDARD

■ GENERAL FEATURES

- 50 W (136-174 MHz) Models
- 45 W (400-470, 450-520 MHz) Models
- 512 CH / 128 Zones
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide) / 14 characters
- 4-Line Text Message Frame (2 Lines of Text, icon & key guide)
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- 7-color LED Indicator
- Transmit/Busy/Call Alert/Warn LED
- Emergency/AUX Key
- 4W Speaker Audio
- DB-15 Accessory Connector
- Dual Digital Protocol ¹
- Emergency Call Features
- Built-in GPS Receiver
- Built-in Bluetooth® Module
- Active Noise Reduction (ANR)
- KPG-D3N Windows® FPU
- Flash Firmware Upgrading
- Optional Software-based DES and AES Encryptions (Digital Only)
- MIL-STD-810 C/D/E/F/G
- IP-54 Water & Dust Intrusion
- Digital Encode/Decode Format

■ ANALOG MODE

- Conventional Zones
- LTR® Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF
- Built-in Voice Inversion Scrambler

■ DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking Option
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming (requires KPG-180AP OTAP Manager Software)
- Paging Call
- Emergency Call
- All Group Call
- Digital Two-Tone
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Site Roaming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption Option

OPTIONAL FEATURES

- 1000 Channel (**KWD-3000CH**)
- Front Panel Programming (**KWD-3001FP**)
- Built-in Bluetooth® Module for Data (**KWD-3002BT**)
- Digital NXDN Trunking (**KWD-3501TR**)
- DMR Tier 2 Conventional (**Factory Installed**)
- DMR Tier 3 Trunking (**KWD-3302TR**)
- DMR ARC4 Enhanced Encryption (**KWD-3502EE**)
- AES/DES Encryption (**KWD-3503AE**)
- Remote Control by Subscriber Units (**KWD-3504RC**)



NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

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RADIO		EPL	LIST
NX-3720HGK	VHF (136-174MHz), 50 Watts, 512 CH, 128 Zones	623.40	831.20
NX-3820HGK	UHF (450 - 520MHz), 45 Watts, 512 CH, 128 Zones	623.40	831.20
NX-3820HGK2	UHF (400 - 470MHz), 45 Watts, 512 CH, 128 Zones	623.40	831.20
RADIO TRUNKING PACKAGE		EPL	LIST
NX-3720HGK-TR	VHF (136-174MHz), 50 Watts, 512 CH, 128 Zones with NXDN Trunking	644.63	859.50
NX-3820HGK-TR	UHF (450 - 520MHz), 45 Watts, 512 CH, 128 Zones with NXDN Trunking	644.63	859.50
NX-3820HGK2-TR	UHF (400 - 470MHz), 45 Watts, 512 CH, 128 Zones with NXDN Trunking	644.63	859.50
SOFTWARE LICENSING & RADIO FEATURE OPTIONS			

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- [FPU & Software Applications](#): Software License Key Request Form
- [Radio Feature Licenses](#): Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	129.60	172.80
KWD-3001FP	License Key for Front Panel Programming	101.25	135.00
KWD-3002BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	28.39	37.80
KWD-3302TR	License Key for DMR Tier 3 Trunking	81.00	108.00
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C and Type-C Gen2)	33.75	45.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20
KWD-3503AE	License Key for AES/DES Encryption Note: 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	364.50	486.00
KWD-3504RC	License Key for Remote Control by Subscriber Units Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	32.40	43.20
KWD-3505DE	License Key for DES Encryption Note: Requires KPG-AE1/DE1 software key loader to load encryption keys	81.00	108.00

CONTROL HEAD REMOTE KIT		EPL	LIST
KRK-18HM	Interface Kit for a Control Head	132.75	177.00
KRK-19BM	Interface Kit for an RF Deck	33.53	44.70

Note: Remote Control Cable must be purchased separately.

REMOTE CONTROL CABLES		EPL	LIST
KCT-71M2	Remote Control Cable (17 feet)	64.12	85.50
KCT-71M3	Remote Control Cable (25 feet)	72.97	97.30
KCT-71M4	Remote Control Cable (1.6 feet)	41.02	54.70
KCT-71A50	KCT-71A Extended Control Head Cable (up to 50 ft. max.) Note: Please specify exact length at 1ft. increments when ordering. Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.	170.10	226.80



NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

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KCT-71A100	KCT-71A Extended Control Head Cable (up to 100 ft. max.) Note: Please specify exact length at 1ft. increments when ordering. Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.	219.22	292.30
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MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	26.40	35.20
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	18.00	24.00
KCT-72M	External Accessory Connection Cable for KRK-18HM	33.53	44.70
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.02	51.20
KMB-10	Key lock adapter	24.00	32.00
KRA-40GM	GPS Antenna	38.10	50.80
CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Mobiles (excludes TK-5x10/6110 series). (mobile mounting hardware included)	49.27	65.70
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	158.10	210.80
MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	47.62	63.50
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	86.40	115.20
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) Note: NOT compatible with TDMA operations	78.60	104.80
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) Note: Compatible with FDMA (analog / NXDN) and TDMA (DMR) Operation.	174.44	232.30
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug	44.47	59.30
KES-5A	External speaker, 40W max input Note: requires KCT-60M installed.	54.75	73.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile Note: Requires KPT-300LMC for authentication	125.48	167.30
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication - KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	442.65	590.20
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication	297.60	396.80
KPG-46XM	Full Speed USB Programming interface cable Note: This cable with USB mode may be used for SD Card Direct Access.	144.75	193.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28	129.70
L-5053	NX-3720HG/3820HG/3920G/3921G Programming (with basic TX/RX check)	30.38	40.50
L-5054	Installation for NX-3000 Portable/Mobile AES	20.25	27.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--



NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

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Encryption Software Option, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

JVCKENWOOD may request the following information to be submitted at time of order (this information must meet JVCKENWOOD internal approvals prior to shipment even if being returned to JVCKENWOOD later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination

(customer distribution center, headquarters, EPLship, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.



NX-3920G/3921G

800/900MHz Digital & FM Analog Mobile Radios

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All NX-3000 Series Mobiles include:

- Standard Microphone (KMC-65M)
- Mounting Bracket
- DC Cable
- Blade Fuse
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

Because of spurious signal (birdie), the following frequencies (and $\pm 6.25\text{kHz}$ ranges) are not allowed ;

- 854.4000 • 936.0000
- 859.2000 • 940.8000
- 864.0000
- 868.8000

1. Designed to operate digital, DMR OR NXDN, along with analog FM; a single digital protocol selected with programming software.

STANDARD

■ GENERAL FEATURES

- 15 W (800 MHz) Model
- 15 W (900 MHz) Model
- 512 CH / 128 Zones
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide) / 14 characters
- 4-Line Text Message Frame (2 Lines of Text, icon & key guide)
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- 7-color LED Indicator
- Transmit/Busy/Call Alert/Warn LED
- Emergency/AUX Key
- 4W Speaker Audio
- DB-15 Accessory Connector
- Dual Digital Protocol ¹
- Emergency Call Features
- Built-in GPS Receiver
- Built-in Bluetooth® Module
- Active Noise Reduction (ANR)
- KPG-D3N Windows® FPU
- Flash Firmware Upgrading
- Optional Software-based DES and AES Encryptions (Digital Only)
- MIL-STD-810 C/D/E/F/G
- IP-54 Water & Dust Intrusion
- Digital Encode/Decode Format

■ ANALOG MODE

- Conventional Zones
- LTR® Zones
- FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
- MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
- QT / DQT
- Two-Tone (Conventional Zones Only)
- DTMF
- Built-in Voice Inversion Scrambler

■ DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming (requires KPG-180AP OTAP Manager Software)
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™ VOCODER
- 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Site Roaming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption Option

OPTIONAL FEATURES

- 1000 Channel (**KWD-3000CH**)
- Front Panel Programming (**KWD-3001FP**)
- Built-in Bluetooth® Module for Data (**KWD-3002BT**)
- Digital NXDN Trunking (**Factory Installed**)



NX-3920G/3921G

800/900MHz Digital & FM Analog Mobile Radios

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- DMR Tier 2 Conventional (**KWD-3301CV**)
- DMR Tier 3 Trunking (**KWD-3301CV & KWD-3302TR**)
- DMR ARC4 Enhanced Encryption (**KWD-3502EE**)
- AES/DES Encryption (**KWD-3503AE**)
- Remote Control by Subscriber Units (**KWD-3504RC**)

RADIO		EPL	LIST
NX-3920GK	800MHz, 15 Watts, 512 CH, 128 Zones, NXDN Conv & Trunking	814.13	1085.50
NX-3921GK	900MHz, 15 Watts, 512 CH, 128 Zones, NXDN Conv & Trunking	814.13	1085.50

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- [FPU & Software Applications](#): Software License Key Request Form
- [Radio Feature Licenses](#): Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	1q29.80	172.80
KWD-3001FP	License Key for Front Panel Programming	101.25	135.00
KWD-3002BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80
KWD-3301CV	License Key for DMR Tier 2 Conventional	33.75	45.00
KWD-3302TR	License Key for DMR Tier 3 Trunking (Requires KWD-3301CV)	81.00	108.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20
KWD-3503AE	License Key for AES/DES Encryption Note: 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is a U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	364.50	486.00
KWD-3504RC	License Key for Remote Control by Subscriber Units Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	32.40	43.20
KWD-3505DE	License Key for DES Encryption Note: Requires KPG-AE1/DE1 software key loader to load encryption keys	81.00	108.00

CONTROL HEAD REMOTE KIT		EPL	LIST
KRK-18HM	Interface Kit for a Control Head	132.75	177.00
KRK-19BM	Interface Kit for an RF Deck	33.52	44.70

Note: Remote Control Cable must be purchased separately.

REMOTE CONTROL CABLES		EPL	LIST
KCT-71M2	Remote Control Cable (17 feet)	64.12	85.50
KCT-71M3	Remote Control Cable (25 feet)	72.97	97.30
KCT-71M4	Remote Control Cable (1.6 feet)	41.02	54.70
KCT-71A50	KCT-71A Extended Control Head Cable (up to 50 ft. max.) Note: Please specify exact length at 1ft. increments when ordering. Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.	170.10	226.80
KCT-71A100	KCT-71A Extended Control Head Cable (up to 100 ft. max.) Note: Please specify exact length at 1ft. increments when ordering. Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.	219.22	292.30

MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	26.40	35.20

		NX-3920G/3921G 800/900MHz Digital & FM Analog Mobile Radios		Table of Contents
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	18.00	24.00	
KCT-72M	External Accessory Connection Cable for KRK-18HM	33.52	44.70	
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.02	51.20	
KMB-10	Key lock adapter	24.00	32.00	
KRA-40GM	GPS Antenna	38.10	50.80	
CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST	
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Mobiles (excludes TK-5x10/6110 series). (mobile mounting hardware included)	49.27	65.70	
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	158.10	210.80	
MICROPHONES AND SPEAKERS		EPL	LIST	
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	47.62	63.50	
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	86.40	115.20	
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) Note: NOT compatible with TDMA operations	78.60	104.80	

 NX-3920G/3921G 800/900MHz Digital & FM Analog Mobile Radios		Table of Contents	
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) Note: Compatible with FDMA (analog / NXDN) and TDMA (DMR) Operation.	174.44	232.30
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug	44.47	59.30
KES-5A	External speaker, 40W max input Note: requires KCT-60M installed.	54.75	73.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile Note: Requires KPT-300LMC for authentication	125.48	167.30
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication - KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	442.69	590.20
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication	297.80	396.80
KPG-46XM	Full Speed USB Programming interface cable Note: This cable with USB mode may be used for SD Card Direct Access.	144.75	193.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. <u>KPT-300LMC's History Menu will not display the Radio Features activated by Factory.</u>	97.28	129.70
L-5053	NX-3720HG/3820HG/3920G/3921G Programming (with basic TX/RX check)	30.38	40.50
L-5054	Installation for NX-3000 Portable/Mobile AES	20.25	27.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

Encryption Software Option, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

JVCKENWOOD may request the following information to be submitted at time of order (this information must meet JVCKENWOOD internal approvals prior to shipment even if being returned to JVCKENWOOD later:

a) Initial Destination: Initial delivery point if different from Ultimate Destination (customer distribution center, headquarters, dealership, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

b) Ultimate Destination: Final delivery point(s); deployment/distribution

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

c) Intended Use of Radios: Law enforcement, security, operations, etc.

NEXEDGE®

NX-1700HNV/1800HNU

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VHF/UHF NXDN & FM Analog Mobile Radios



All NX-1000 series mobiles include:

- Standard Microphone (KMC-65M)
- Mounting Bracket
- DC Cable
- 15A Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

■ GENERAL FEATURES

- 50 W (136-174 MHz) Model
- 45 W (400-470 MHz) Model
- NXDN & Analog Mode
- Optional DMR Mode Conversion
- AMBE+2™ VOCODER
- 260 CH-GID / 128 Zones
- 13-Segment 10-character LCD Display
- 7-color large LED indicator
- White Backlit
- KENWOOD Audio Quality
- 6W (max) loud audio
- Audio Equalizer: Flat, High, or Low
- Auto Gain Control: On, High, or Low
- Microphone type settings
- Multiple Scan Functions
- Dual/Single Priority Scan, Single/Multi Zone Scan, Normal Scan
- Orange-colored Emergency button
- Horn Alert and Public Address function
- Ignition Sense function
- Voice Announcement
- DB15 Accessory Interface
- Lone Worker
- Max/Min Volume Setting
- Display Customization
- Power-on LED
- Menu Mode
- MIL-STD-810 C/D/E/F/G/H
- IP-54 Water & Dust Intrusion

■ DIGITAL – NXDN® MODE

- NXDN® Conventional & Site Roaming
- NXDN® Type-D Trunking Option
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check & Control
- GPS Combination with additional module
- Late Entry
- NXDN® Scrambler

■ DIGITAL – DMR MODE (Optional)

- DMR Tier 2 Conventional & Site Roaming
- DMR Auto Slot Select (DASS)
- 12.5 kHz Channels
- Digital / Analog Mixed Mode
- Call Interrupt
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check & Control
- Over-the-Air Alias
- GPS Combination with additional module
- Late Entry
- ARC4 Encryption Option

■ ANALOG MODE

- Conventional Zones
- FleetSync®: PTT ID, Stun/Revive, Mute hold, Talk back, Selcall
- MDC-1200: PTT ID, Radio Inhibit/Unihabit, Radio Check, Emergency
- QT / DQT
- Two-Tone
- DTMF
- Built-in Voice Inversion Scrambler (per channel)
- Built-in Compander (per channel)

OPTIONAL FEATURES

- NXDN Type-D Trunking License (**KWD-1202TDK**)
- DMR Conversion License (**KWD-1301CN**)
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**) *Only applicable after DMR conversion
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

Digital mode conversion & Type-D requires additional firmware loading after applying upgrade license. Please download latest firmware from MyTools website > Product > Firmware

MODEL		EPL	LIST
NX-1700HNVK	136-174 MHz VHF 50W, 260 Ch / 128 Zones	401.03	534.70
NX-1800HNUK2	400-470 MHz UHF 45W, 260 Ch / 128 Zones	401.03	534.70
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	26.40	35.20
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	18.00	24.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	38.40	51.20
KMB-10	Key lock adapter	24.00	32.00
CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) Note: NOT compatible with TDMA operations	78.60	104.80
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) Note: Compatible with FDMA (analog / NXDN) and TDMA operations	174.44	232.30
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Mobiles (excludes TK-5x10/6110 series). (mobile mounting hardware included)	49.27	65.70
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	158.10	210.80
MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	47.62	63.50
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	86.40	115.20
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug	44.47	59.30
KES-5A	External speaker, 40W max input Note: requires KCT-60M installed.	54.75	73.00
FleetSync® & NEXEDGE® AVL & MESSAGING		EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for NEXEDGE/FleetSync AVL Note: • Conventional operation only. • Requires GA25 MCX GPS antenna. • Refer to www.garmin.com for GPS-15XL-W technical specifications. • Option: Order L-1874 for Kenwood Long Beach installation.	119.40	159.20
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W Note: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.	56.78	75.70

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

NEXEDGE®

NX-1700HNV/1800HNU

VHF/UHF NXDN & FM Analog Mobile Radios

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Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- **FPU & Software Applications:** Software License Key Request Form

- **Radio Feature Licenses:** Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-1202TDK	License Key for NXDN Type-D Trunking	8.10	10.80
KWD-1301CN	License Key for DMR Conventional Conversion	33.75	45.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption Note: ARC4 Enhanced Encryption is available only in DMR mode.	27.00	36.00
KWD-1501RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	27.00	36.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-46XM	USB Programming interface cable	144.75	193.00
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable/mobile Note: Requires KPT-300LMC for authentication	83.78	111.70
INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28	129.70
L-1873	NX-1000 Series Mobiles Programming (with basic TX/RX check) Must submit NX-x000 Series Programming Order Form upon placing order for any programming services	30.38	40.50
L-1874	Install Garmin GPS15XL-W in NX-1000 Series mobile Note: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.	81.00	108.00

NEXEDGE®

NX-1700HDV/1800HDU

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VHF/UHF DMR & FM Analog Mobile Radios



All NX-1000 series mobiles include:

- Standard Microphone (KMC-65M)
- Mounting Bracket
- DC Cable
- 15A Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

■ GENERAL FEATURES

- 50 W (136-174 MHz) Model
- 45 W (400-470 MHz) Model
- DMR & Analog Mode
- Optional NXDN Mode Conversion
- AMBE+2™ VOCODER
- 260 CH-GID / 128 Zones
- 13-Segment 10-character LCD Display
- 7-color large LED indicator
- White Backlit
- KENWOOD Audio Quality
 - 6W (max) loud audio
 - Audio Equalizer: Flat, High, or Low
 - Auto Gain Control: On, High, or Low
 - Microphone type settings
- Multiple Scan Functions
 - Dual/Single Priority Scan, Single/Multi Zone Scan, Normal Scan
- Orange-colored Emergency button
- Horn Alert and Public Address function
- Ignition Sense function
- Voice Announcement
- DB15 Accessory Interface
- Lone Worker
- Max/Min Volume Setting
- Display Customization
- Power-on LED
- Menu Mode
- MIL-STD-810 C/D/E/F/G/H
- IP-54 Water & Dust Intrusion

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional & Site Roaming
- DMR Auto Slot Select (DASS)
- 12.5 kHz Channels
- Digital / Analog Mixed Mode
- Call Interrupt
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check & Control
- Over-the-Air Alias
- GPS Combination with additional module
- Late Entry
- ARC4 Encryption Option

■ DIGITAL – NXDN® MODE (Optional)

- NXDN® Conventional & Site Roaming
- NXDN® Type-D Trunking Option
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check & Control
- GPS Combination with additional module
- Late Entry
- NXDN® Scrambler

■ ANALOG MODE

- Conventional Zones
- FleetSync®: PTT ID, Stun/Revive, Mute hold, Talk back, Selcall
- MDC-1200: PTT ID, Radio Inhibit/Unihit, Radio Check, Emergency
- QT / DQT
- Two-Tone
- DTMF
- Built-in Voice Inversion Scrambler (per channel)
- Built-in Compander (per channel)

OPTIONAL FEATURES

- NXDN Conversion License (**KWD-1201CD**)
- NXDN Type-D Trunking License (**KWD-1202TDK**) *Requires KWD-1201CD enabled
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**)
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

Digital mode conversion & Type-D requires additional firmware loading after applying upgrade license. Please download latest firmware from MyTools website > Product > Firmware

MODEL		EPL	LIST
NX-1700HDVK	136-174 MHz VHF 50W, 260 Ch / 128 Zones	401.03	534.70
NX-1800HDK2	400-470 MHz UHF 45W, 260 Ch / 128 Zones	401.03	534.70
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	26.40	35.20
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	18.00	24.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	38.40	51.20
KMB-10	Key lock adapter	24.00	32.00
CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) Note: NOT compatible with TDMA operations	78.60	104.80
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) Note: Compatible with FDMA (analog / NXDN) and TDMA operations	174.44	232.30
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Mobiles (excludes TK-5x10/6110 series). (mobile mounting hardware included)	49.27	65.70
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	158.10	210.80
MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	47.62	63.50
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	86.40	115.20
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug	44.47	59.30
KES-5A	External speaker, 40W max input Note: requires KCT-60M installed.	54.75	73.00

NEXEDGE®

NX-1700HDV/1800H DU

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VHF/UHF DMR & FM Analog Mobile Radios

FleetSync® & NEXEDGE® AVL & MESSAGING		EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for DMR/FleetSync AVL Note: • Conventional operation only. • Requires GA25 MCX GPS antenna. • Refer to www.garmin.com for GPS-15XL-W technical specifications. • Option: Order L-1874 for Kenwood Long Beach installation.	119.40	159.20
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W Note: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.	56.78	75.70

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

IMPORTANT: NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC** & **L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- FPU & Software Applications: Software License Key Request Form
- Radio Feature Licenses: Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features	EPL	LIST
KWD-1201CD	License Key for NXDN Conventional Conversion	33.75 45.00
KWD-1202TDK	License Key for NXDN Type-D Trunking Note: Requires KWD-1201CD (NXDN Conventional) enabled before applying NXDN Type-D Trunking license.	8.10 10.80
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption Note: ARC4 Enhanced Encryption is available only in DMR mode.	27.00 36.00
KWD-1501RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	27.00 36.00

SERVICE RELATED ACCESSORIES	EPL	LIST
KPG-46XM	USB Programming interface cable	144.75 193.00
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable/mobile Note: Requires KPT-300LMC for authentication	83.78 111.70

INSTALLATION / TUNING CHARGES	EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28 129.70
L-1873	NX-1000 Series Mobiles Programming (with basic TX/RX check) Must submit NX-x000 Series Programming Order Form upon placing order for any programming services	30.38 40.50
L-1874	Install Garmin GPS15XL-W in NX-1000 Series mobile Note: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.	81.00 108.00

NEXEDGE®

NX-1700HAV/1800HAU

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VHF/UHF Digital Upgradeable Mobile Radios

**All NX-1000 series mobiles include:**

- Standard Microphone (KMC-65M)
- Mounting Bracket
- DC Cable
- 15A Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

■ GENERAL FEATURES

- 50 W (136-174 MHz) Model
- 45 W (400-470 MHz) Model
- Analog Mode
- Option NXDN Upgrade
- Optional DMR Upgrade
- AMBE+2™ VOCODER
- 260 CH-GID / 128 Zones
- 13-Segment 10-character LCD Display
- 7-color large LED indicator
- White Backlit
- KENWOOD Audio Quality
 - 6W (max) loud audio
 - Audio Equalizer: Flat, High, or Low
 - Auto Gain Control: On, High, or Low
 - Microphone type settings
- Multiple Scan Functions
 - Dual/Single Priority Scan, Single/Multi Zone Scan, Normal Scan
- Orange-colored Emergency button
- Horn Alert and Public Address function
- Ignition Sense function
- Voice Announcement
- DB15 Accessory Interface
- Lone Worker
- Max/Min Volume Setting
- Display Customization
- Power-on LED
- Menu Mode
- MIL-STD-810 C/D/E/F/G/H
- IP-54 Water & Dust Intrusion

■ ANALOG MODE

- Conventional Zones
- FleetSync®: PTT ID, Stun/Revive, Mute hold, Talk back, Selcall
- MDC-1200: PTT ID, Radio Inhibit/Unihabit, Radio Check, Emergency
- QT / DQT
- Two-Tone
- DTMF
- Built-in Voice Inversion Scrambler (per channel)
- Built-in Compander (per channel)

■ DIGITAL – NXDN® MODE (Optional)

- NXDN® Conventional & Site Roaming
- NXDN® Type-D Trunking Option
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check & Control
- GPS Combination with additional module
- Late Entry
- NXDN® Scrambler

■ DIGITAL – DMR MODE (Optional)

- DMR Tier 2 Conventional & Site Roaming
- DMR Auto Slot Select (DASS)
- 12.5 kHz Channels
- Digital / Analog Mixed Mode
- Call Interrupt
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check & Control
- Over-the-Air Alias
- GPS Combination with additional module
- Late Entry
- ARC4 Encryption Option

OPTIONAL FEATURES

- NXDN Conventional Upgrade License (**KWD-1200CAK**)
- NXDN Type-D Trunking License (**KWD-1202TDK**) *Requires KWD-1200CAK enabled
- DMR Tier 2 Conventional Upgrade License (**KWD-1300CAK**)
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**) *Only applicable after DMR conversion
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

Digital mode conversion & Type-D requires additional firmware loading after applying upgrade license. Please download latest firmware from MyTools website > Product > Firmware

MODEL		EPL	LIST
NX-1700HAVK	136-174 MHz VHF 50W, 260 Ch / 128 Zones	380.78	507.70
NX-1800HAUK2	400-470 MHz UHF 45W, 260 Ch / 128 Zones	380.78	507.70
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	26.40	35.20
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	18.00	24.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.02	51.20
KMB-10	Key lock adapter	24.00	32.00
CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) Note: NOT compatible with TDMA operations	78.60	104.80
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) Note: Compatible with FDMA (analog / NXDN) and TDMA operations	174.44	232.30
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Mobiles (excludes TK-5x10/6110 series). (mobile mounting hardware included)	49.27	65.70
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	158.10	210.80
MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	47.62	63.50
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	86.40	115.20
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug	44.47	59.30
KES-5A	External speaker, 40W max input Note: requires KCT-60M installed.	54.75	73.00

NEXEDGE®

NX-1700HAV/1800HAU

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VHF/UHF Digital Upgradeable Mobile Radios

FleetSync® & NEXEDGE® AVL & MESSAGING		EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync AVL Note: • Conventional operation only. • Requires GA25 MCX GPS antenna. • Refer to www.garmin.com for GPS-15XL-W technical specifications. • Option: Order L-1874 for Kenwood Long Beach installation.	119.40	159.20
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W Note: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.	56.78	75.70

SOFTWARE LICENSING & RADIO FEATURE OPTIONS**IMPORTANT:** NX-5000/5000S/3000/3x20/1x00 series radio requires **KPT-300LMC & L-5000** for activation of Radio Feature licenses.

Submit completed form to LMR Order Desk for all Software license and Radio Feature license options.

License Keys will be E-mailed to the address provided on the order form.

Form is available on MyTools website > Product > Forms

- FPU & Software Applications: Software License Key Request Form
- Radio Feature Licenses: Radio Feature License Keys Request Form

Note: Radio Feature License Keys are transferable from one radio to another radio within 72 hours of activation. If a Radio Feature License is transferred to another radio within the 72 hour window, the 72 hour clock is reset.

Radio Features		EPL	LIST
KWD-1200CAK	License Key for NXDN Conventional Upgrade	33.75	45.00
KWD-1202TDK	License Key for NXDN Type-D Trunking Note: Requires KWD-1200CAK (NXDN Conventional) enabled before applying NXDN Type-D Trunking license.	8.10	10.80
KWD-1300CAK	License Key for DMR Tier2 Conventional Upgrade	33.75	45.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption Note: ARC4 Enhanced Encryption is available only in DMR mode.	27.00	36.00
KWD-1501RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands. - PC command for Remote Control does NOT require the license.	27.00	36.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-46XM	USB Programming interface cable	144.75	193.00
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable/mobile Note: Requires KPT-300LMC for authentication	83.78	111.70

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28	129.70
L-1873	NX-1000 Series Mobiles Programming (with basic TX/RX check) Must submit <u>NX-x000 Series Programming Order Form</u> upon placing order for any programming services	30.38	40.50
L-1874	Install Garmin GPS15XL-W in NX-1000 Series mobile Note: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.	81.00	108.00



NXR-1700/1800

VHF/UHF FM Analog / NXDN / DMR Repeater

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All NXR-1000 series repeaters include:

- Handle
- DC Power Cable*
- L-type Rack Mount Brackets (Long and short)
- Screws
- Plate to Couple 2 Repeaters
- 4x Rubber Feet
- Instruction Manual
- Premium Warranty: 2 Years**

*DC Power Cable is NOT compatible with current TKR-D and NXR-x10 model

** All Accessories / options: 1 Year



GENERAL FEATURES

■ GENERAL FEATURES

- 50 W (136-174 MHz)
- 40 W (400-470 MHz)
- Light, Compact and Space-efficient
- 1.71-inch OLED with Icons and Numeric Display
- Thermal-controlled Cooling Fan
- Up to 32 Channels
- Dual Digital Protocol: DMR Tier 2^{*2} / NXDN Conventional^{*2}
- USB-A Connector for Audio Accessories
- External I/O Pin from DB25
- Non-repeat Simplex / Semi-Duplex Mode for Analog and NXDN
- Hot Standby System Redundancy
- Built-in IP Network Adapter
- Unicast and Multicast Call Routing
- SNMP Protocol
- G.711 Audio Codec (for Test Console and Third-party Applications)
- IP Remote Management (Monitor / Control / Programming / Test Console)
- Supports IP Consoles and OTAP
- IP Network Voice Logging^{*1}
- Built-in SIP telephone client (Digital only)^{*2, *3}
- IP Remote Control Interface (IPRCI)
- Enhanced Security (HTTPS)
- CW ID, Hang Timer
- Multi-site Conventional IP Network up to 16 Sites (both Digital and Analog)^{*2}
- Voting Repeater + Up to 15 Receivers (Analog / NXDN / DMR)^{*1 *2}
- IP Conventional Networking Compatible with NXR-5000 (NXDN), legacy KTI-3 (NXDN) and KTI-5 (DMR)

■ DIGITAL – COMMON

- Built-in AMBE+2™ Vocoder
- Mixed Analog / Digital Operation
- Site Roaming with Beacon
- RF-link: NXDN^{*1} / DMR^{*1}
- Repeat Encrypted Voice / Data (AES / DES / ARC4 Enhanced Encryption)
- User List / Site Group Table

■ DIGITAL – NXDN REPEATER (Optional)

- 6.25 & 12.5 kHz Channels
- NXDN Conventional^{*2}
- NXDN Digital Voting^{*1 *2}
- NXDN Digital Site Roaming
- Radio Access Control

■ DIGITAL – DMR REPEATER (Optional)

- 12.5kHz Channel
- DMR Tier 2 Conventional^{*2}
- DMR Digital Voting^{*1 *2}
- DMR Site Roaming
- Call Interruption

■ ANALOG REPEATER

- FM Conventional
- Multiple QT/DQT
- Analog Call Routing
- Voting

*1: Future Release

*2: Software Option

*3: Requires firmware upgrade of terminal to obtain compatibility with this feature

REPEATER		EPL	LIST
NXR-1700E	Repeater, Analog, VHF, 136-174MHz, 1-50W	1,849.50	2,466.00
NXR-1800E2	Repeater, Analog, UHF, 400-470MHz, 1-40W	1,849.50	2,466.00
Repeater Feature		EPL	LIST
KWD-NX10DCK	License Key for DMR Tier 2 Conventional	333.53	444.70
KWD-NX10NCK	License Key for NXDN Conventional	312.75	417.00
KWD-NX10SPK	License Key for SIP Telephone Interface (NXDN and DMR only)	256.50	342.00
Field Programming Unit (FPU)		EPL	LIST
KPG-D7K	Repeater Programming Software	83.78	111.70
INSTALLATION / TUNING CHARGES		EPL	LIST
L-1900	Factory Activation of NXR-1x00 Feature Licenses (per Repeater)	97.28	129.70

Note: Must purchase Repeater Feature Licenses separately.

KPT-300LMC's History Menu will not display the Repeater Features activated by Factory.

System Accessories and Optional Features

Complete set of accessories and software licensed features available from EFJohnson Technologies