Mississippi EPL 3744 Price Pages

AUTHORIZED DEALER

LAND MOBILE RADIO PRICE GUIDE

Effective Date: May 2022

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NX-5400

NX-3200 / 3300

NX-3400

NX-3220 / 3320

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NX-1200NV / NX-1300NU (K3/K6)

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

NX-205G / 305G

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PKT-23

MOBILES

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NX-5700H / 5800H

NX-5600H

NX-5000 Mobile Acc.

NX-3720HG / 3820HG

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REPEATERS

NXR-710 / 810

TKR-D710 / D810

SOFTWARE

KPT-300LMC

KPG-180AP

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	Additions	**Deletions**	**Changes**		
	NX1200NV/1300NU (K3/k6)	NX5200S/5300S	ALL ITEMS	Price Increase April 1	
	NX1200DV/1300DU (K3/K6)	NX5700S/5800S			
		TK7180/8180			
		TK7360HV/8360HU			
		TK7302HV/8302HU			

Radio Series		Programming Cost	Installation Cost
	PORTABLES		
NX-5400		$75.00	N/A
NX-3200/3300		$50.00	N/A
NX-210G		$75.00	N/A
NX-3220/3320		$50.00	N/A
NX-P500		$25.00	N/A
PKT-23		$25.00	N/A
	MOBILES		
NX-5700/5800/5900	Single Band/Dash Mount	$75.00	$75.00
NX-5700/5800/5900	Single Band/Single Head Remote	$75.00	$125.00
NX-5700/5800/5900	Single Band/Dual Head Remote	$75.00	$175.00
NX-5700/5800/5900	Dual Deck/Single Head Single Speaker Remote	$125.00	$200.00
NX-5700/5800/5900	Dual Deck/Single Head Dual Speaker Remote	$125.00	$200.00
NX-5700/5800/5900	Dual Deck/Dual Head Single Speaker Remote	$125.00	$225.00
NX-5700/5800/5900	Dual Deck/Dual Head Dual Speaker Remote	$125.00	$225.00
NX-5700/5800/5900	Triple Deck/Single Head Single Speaker Remot	$175.00	$250.00
NX-5700/5800/5900	Triple Deck/Single Head Triple Speaker Remote	$175.00	$250.00
NX-5700/5800/5900	Triple Deck/Dual Head Single Speaker Remote	$175.00	$250.00
NX-5700/5800/5900	Triple Deck/Dual Head Triple Speaker Remote	$175.00	$275.00
NX-3720HG/3820HG	Dash Mount	$75.00	$75.00

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KPT-300LMC
License Management Client

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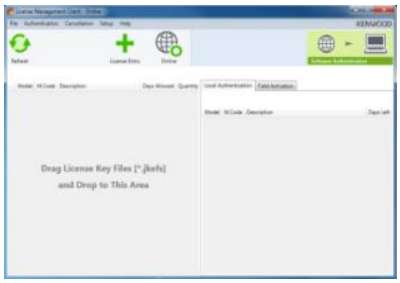

■ KPT-300LMC System Requirements

- 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 neccessary 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 mandadory 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 function manual of KPT-300LMC.

■ 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.	168.38	224.50

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NEXEDGE® P25 DMR

KPG-180AP

OTAP Management Software

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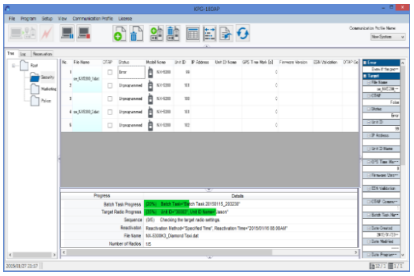

KPG-180AP System Requirements

- 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 neccessary for base radio setup

• Workstation is recommended to have internet access to connect to Kenwood License authentication server. Offline Authentication is also avaiable.

STANDARD

GENERAL FEATURES

• Over-the-air Programming
KPG-180AP manages Over-the-air programming procedure using various transmittion 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 P25 Conventional, NXDN Conventional, NXDN Trunking, DMR Tier 2 Conventional, and DMR Tier 3 Trunking systems allowing dealership to manage multiple end users system from single software tool.

• 100,000 manageable field units
KPG-180AP supports up to 100,000 field units and its program data.

• Smart & Time Efficient Data Transmittion
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,

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
- Kairos S-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
- Kairos S-Trunking

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.	663.00	884.00
FLEET RADIO EXPANSION UPGRADES		***EPL***	***LIST***
KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1250.25	1667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2187.75	2917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3125.25	4167.00
ADDITIONAL RADIO SYSTEM PROFILES		***EPL***	***LIST***
KWD-AP1-CA	Additional NXDN Base Radio License will allow user to add One Base radio for either NXDN Conventional, NXDN Type-C Trunking, or Gen2 Trunking	187.50	250.00
KWD-AP2-CP	Additional IP Connected NXDN System License will allow user to add One IP connected RF system for either NXDN Conventional, NXDN Type-C Trunking, or Gen2 Trunking	312.75	417.00
KWD-AP3-P25	Additional P25 Conventional Base Radio License will allow user to add One Base radio for P25 conventional radio to radio over-the-air reprogramming	600.00	800.00
KWD-AP4-DA	Additional DMR Base Radio License will allow user to add One Base radio for either Kenwood DMR Tier 2 Conventional, Kairos DMR Tier 3 Trunking, or Kairos S-Trunking	187.50	250.00
KWD-AP5-DP	Additional IP Connected DMR System License will allow user to add One IP connected RF system for either Kairos DMR Tier 2 Conventional, Kairos DMR Tier 3 Trunking, or Kairos S-Trunking	312.75	417.00

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NEXEDGE®

P25 DMR

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 ±10kHz 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 32ºF (0ºC), 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

■ 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
- S-Trunking Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- 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

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 Authenication (KWD-5100CV & KWD-5101TR & KWD-AE3x Encryption Board Required)

■ DIGITAL – DMR MODE

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

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NEXEDGE® P25 DMR

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	697.35	929.80
NX-5300K2	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	697.35	929.80
NX-5300K5	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	697.35	929.80
Full Key Models		**EPL**	**LIST**
NX-5200K3	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	740.25	987.00
NX-5300K3	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	740.25	987.00
NX-5300K6	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	740.25	987.00
CSA US APPROVED MODELS		**EPL**	**LIST**
	Must Order L-5039 & "KNB-LS5CU or KNB-LS7M" Intrinsically Safe Battery per radio		
	Note: microSD card is not allowed to use as Intrinsically Safe Option.		
NX-5200-ISCK2	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	697.35	929.80
NX-5200-ISCK3	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	740.25	987.00
NX-5300-ISCK2	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	697.35	929.80
NX-5300-ISCK3	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	740.25	987.00
NX-5300-ISCK5	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	697.35	929.80
NX-5300-ISCK6	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	740.25	987.00

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	315.00	420.00
KWD-5001FP	License Key for Front Panel Programming	225.00	300.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	78.75	105.00
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.	26.25	35.00
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.	30.00	40.00
P25 Radio Features		**EPL**	**LIST**
KWD-5100CV	License Key for P25 Conventional	431.25	575.00
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV) **Note:** Required for Link Layer Authentication	390.00	520.00
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	300.00	400.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	525.00	700.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	90.00	120.00
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	135.00	180.00
KWD-5107EE	License Key for P25 ARC4 Enhanced Encryption	N/C	NC
DMR Radio Features		**EPL**	**LIST**
KWD-5300CV	License Key for DMR Tier 2 Conventional & S-Trunking	45.00	60.00
KWD-5301TR	License Key for DMR Tier 3 Trunking (requires KWD-5300CV)	100.50	134.00
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00

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NEXEDGE® P25 DMR

NX-5200/5300

VHF/UHF Digital & FM Analog Portable Radios

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ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-27M	UHF whip antenna 440-490 MHz	13.88	18.50
KRA-27M2	UHF whip antenna 470-520 MHz	13.88	18.50
KRA-27M3	UHF whip antenna 400-450 MHz	13.88	18.50
KRA-22M	VHF low-profile helical antenna 148-162 MHz	13.88	18.50
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	13.88	18.50
KRA-22M3	VHF low-profile helical antenna 136-150 MHz	13.88	18.50
KRA-23M	UHF low-profile helical antenna 450-490 MHz	13.88	18.50
KRA-23M2	UHF low-profile helical antenna 470-520 MHz	13.88	18.50
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	13.88	18.50
KRA-41M	VHF stubby antenna 148-162 MHz	11.63	15.50
KRA-41M2	VHF stubby antenna 162-174 MHz	11.63	15.50
KRA-41M3	VHF stubby antenna 136-150 MHz	11.63	15.50
KRA-42M	UHF stubby antenna 440-490 MHz	11.63	15.50
KRA-42M2	UHF stubby antenna 470-520 MHz	11.63	15.50
KRA-42M3	UHF stubby antenna 403-430 MHz	11.63	15.50
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	29.03	38.70
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	35.48	47.30
KRA-29	Broad Band UHF Whip Antenna 380-430 MHz	31.13	41.50
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)	99.98	133.30
KNB-L2M	Li-ion 2600mAh (Standard)	117.38	156.50
KNB-L3M	Li-ion 3400mAh (High Capacity)	151.88	202.50
KNB-N4M	Ni-MH 2500mAh	121.50	162.00
KNB-LS5CU	CSA US Intrinsically Safe Battery Li-ion 2000mAh **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-326K or KSC-326AK. **[Intrinsically Safe Option]**	176.78	235.70
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-326K or KSC-326AK. **[Intrinsically Safe Option]**	254.10	338.80
KBP-8M2	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. **Note**: The color of the case is International Orange.	99.38	132.50
KSC-Y32K	Rapid rate single unit charger (Long-Life Charge Mode capable with KAS-12 Software)	107.78	143.70
KSC-32	Rapid rate single unit charger	67.65	90.20
KSC-326AK	Rapid rate 6-unit charger CEC Compliant	617.25	823.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	50.63	67.50
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	134.03	178.70
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	254.10	338.80
BATTERY READER		**EPL**	**LIST**
KAS-12K	License Key for KAS-12 Battery Reader Software for KNB-L1/2/3/N4/LS5 & KSC-Y32 (Windows® Vista/7/8/8.1) ***Note:*** *Requires KPT-300LMC for authentication*	63.75	85.00
KAS-12PRO	Add Battery Management with Database Requires KAS-12K base license for upgrade ***Note:*** *Requires KPT-300LMC for authentication*	262.50	350.00
CARRYING ACCESSORIES		**EPL**	**LIST**

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NX-5200/5300

VHF/UHF Digital & FM Analog Portable Radios

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		EPL	LIST
KBH-11	Spring action belt clip (2.5")	12.38	16.50
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.28	29.70
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	18.60	24.80
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case	31.13	41.50
KLH-200K3	Heavy duty leather carrying case for NX-5000 series with KNB-L1/L2/L3/LS5CU (for both keypad models)	37.35	49.80
KLH-201K3	Nylon carrying case for NX-5000-series with KNB-L1/L2/L3/LS5CU (for both keypad models)	22.28	29.70

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 Dealer Installation, IP67/68 Warranty Claim will not be eligible.*	33.90	45.20

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 avaialble only when used with NX-5000 series portable **[Intrinsically Safe Option]**	110.03	146.70
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic **[Intrinsically Safe Option]**	84.53	112.70
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector **Note**: 5/16" Coax cable hex wrench included (antenna is not included). **[Intrinsically Safe Option]**	291.98	389.30
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics **[Intrinsically Safe Option]**	47.03	62.70
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic **[Intrinsically Safe Option]**	47.03	62.70
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Option]**	193.65	258.20
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Option]**	140.85	187.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	179.03	238.70
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	123.38	164.50
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT **[Intrinsically Safe Option]**	377.03	502.70
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT **[Intrinsically Safe Option]**	330.15	440.20

ENCRYPTION & 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 Dealer 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 I.S.**	717.98	957.30
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 Dealer 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 I.S.**	465.38	620.50

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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]**	72.00	96.00
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).	409.88	546.50
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K **Authentication by KPT-300LMC is required**	276.00	368.00

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 Dealers/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 Dealers/Contractors. But Dealers/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.	116.25	155.00
KPG-36XM	Full Speed USB Programming interface cable **Note:** This cable with USB mode may used for SD Card Direct Access.	134.03	178.70
KPG-93	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	236.25	315.00
KPG-93AUT	KVL-4000 Radio Authentication Cable **Note:** Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	296.40	395.20
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.	176.78	235.70
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.	422.03	562.70

OPTIONAL CABLE FOR FOREST/FIRE SERVICES FEATURE SET (FSFS) OPTION		***EPL***	***LIST***
KPG-CLN-14P	Portable-to-Portable Cloning Cable (14P:14P), 1m	190.50	254.00

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.	90.00	120.00
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.**	28.13	37.50
L-5003	Install KWD-AE30K in NX-5000 series Portable (Must purchase module separately)	56.25	75.00
L-5004	Install KWD-AE31K in NX-5000 series Portable (Must purchase module separately)	56.25	75.00

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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.	99.00	132.00
L-5024	Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	20.25	27.00
L-5039	Configure NX-5200/5300/5400 for CSA US Intrinsically Safe **Must order KNB-LS5CU or KNB-LS7M I.S. battery**	25.50	34.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	37.50	50.00
L-5077	FSFS++ Forest Service Feature Set - Factory Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning **Note:** Must purchase per Radio • 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.	45.00	60.00
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning **Note:** Purchase per application - provided as Custom FW for unlimited radios To PLACE AN ORDER, 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	1050.00	1400.00

-- 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, 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.

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 dealer 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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<Standard Key Model > **<Full Key Model >**

All NX-5400 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.

Due to spurious signal (birdie), the following frequencies (and ±10kHz ranges) are not allowed:

- 864.000

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 32ºF (0ºC), KENWOOD carrying cases must be used.

STANDARD

GENERAL FEATURES

- 3 W (700/800 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

DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking (only in 800MHz)
- 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
- S-Trunking Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- 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

- NPSPAC Channels
- 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)

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 Authenication (KWD-5100CV & KWD-5101TR & KWD-AE3x Encryption Board Required)

DIGITAL – DMR MODE

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

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RADIO		EPL	LIST
NX-5400K2	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Standard Key Model	697.35	929.80
NX-5400K3	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Full Key Model	740.25	987.00
CSA US APPROVED MODELS		**EPL**	**LIST**
	Must Order L-5039 & "KNB-LS5CU or KNB-LS7M" Intrinsically Safe Battery per radio ***Note: microSD card is not allowed to use as Intrinsically Safe Option.***		
NX-5400-ISCK2	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Standard Key Model	697.35	929.80
NX-5400-ISCK3	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Full Key Model	740.25	987.00

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	315.00	420.00
KWD-5001FP	License Key for Front Panel Programming	225.00	300.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	78.75	105.00
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.	26.25	35.00
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.	30.00	40.00
P25 Radio Features		**EPL**	**LIST**
KWD-5100CV	License Key for P25 Conventional	431.25	575.00
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV) **Note:** Required for Link Layer Authentication	390.00	520.00
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	300.00	400.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	525.00	700.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	90.00	120.00
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	135.00	180.00
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 & S-Trunking	45.00	60.00
KWD-5301TR	License Key for DMR Tier 3 Trunking (requires KWD-5300CV)	100.50	134.00
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
ANTENNAS		**EPL**	**LIST**
KRA-32K	700/800 MHz Whip Antenna	29.48	39.30
KRA-36	700/800 MHz Stubby Antenna	21.15	28.20

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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)	99.98	133.30
KNB-L2M	Li-ion 2600mAh (Standard)	117.38	156.50
KNB-L3M	Li-ion 3400mAh (High Capacity)	151.88	202.50
KNB-N4M	Ni-MH 2500mAh	121.50	162.00
KNB-LS5CU	CSA US Intrinsically Safe Battery Li-ion 2000mAh **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-326K or KSC-326AK. **[Intrinsically Safe Option]**	176.78	235.70
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-326K or KSC-326AK. **[Intrinsically Safe Option]**	254.10	338.80
KBP-8M2	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. **Note**: The color of the case is International Orange.	99.38	132.50
KSC-Y32K	Rapid rate single unit charger (Long-Life Charge Mode capable with KAS-12 Software)	107.78	143.70
KSC-32	Rapid rate single unit charger	67.65	90.20
KSC-326AK	Rapid rate 6-unit charger CEC Compliant	617.25	823.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	50.63	67.50
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	134.03	178.70
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.	254.10	338.80

BATTERY READER		EPL	LIST
KAS-12K	License Key for KAS-12 Battery Reader Software for KNB-L1/2/3/N4/LS5 & KSC-Y32 (Windows® Vista/7/8/8.1) ***Note:*** *Requires KPT-300LMC for authentication*	63.75	85.00
KAS-12PRO	Add Battery Management with Database Requires KAS-12K base license for upgrade ***Note:*** *Requires KPT-300LMC for authentication*	262.50	350.00

CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	12.38	16.50
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KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	18.60	24.80
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case	31.13	41.50
KLH-200K3	Heavy duty leather carrying case for NX-5000 series with KNB-L1/L2/L3/LS5CU (for both keypad models)	37.35	49.80
KLH-201K3	Nylon carrying case for NX-5000-series with KNB-L1/L2/L3/LS5CU (for both keypad models)	22.28	29.70

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 Dealer Installation, IP67/68 Warranty Claim will not be eligible.*	33.90	45.20

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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 avaialble only when used with NX-5000 series portable **[Intrinsically Safe Option]**	110.03	146.70
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic **[Intrinsically Safe Option]**	84.53	112.70
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector **Note**: 5/16" Coax cable hex wrench included (antenna is not included). **[Intrinsically Safe Option]**	291.98	389.30
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics **[Intrinsically Safe Option]**	47.03	62.70
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic **[Intrinsically Safe Option]**	47.03	62.70
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Option]**	193.65	258.20
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Option]**	140.85	187.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	179.03	238.70
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	123.38	164.50
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT **[Intrinsically Safe Option]**	377.03	502.70
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT **[Intrinsically Safe Option]**	330.15	440.20
ENCRYPTION & 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 Dealer 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 I.S.**	717.98	957.30
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 Dealer 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 I.S.**	465.38	620.50
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]**	72.00	96.00
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)	409.88	546.50
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K **Authentication by KPT-300LMC is required**	276.00	368.00

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NEXEDGE® P25 DMR

NX-5400

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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*	116.25	155.00
	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 Dealers/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 Dealers/Contractors. But Dealers/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.		
KPG-36XM	Full Speed USB Programming interface cable **Note:** This cable with USB mode may be used for SD Card Direct Access.	134.03	178.70
KPG-93	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	236.25	315.00
KPG-93AUT	KVL-4000 Radio Authentication Cable **Note:** Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	296.40	395.20
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.	176.78	235.70
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.	422.03	562.70
OPTIONAL CABLE FOR FOREST/FIRE SERVICES FEATURE SET (FSFS) OPTION		**EPL**	**LIST**
KPG-CLN-14P	Portable-to-Portable Cloning Cable (14P:14P), 1m	190.50	254.00
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	90.00	120.00
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.**	28.13	37.50
L-5003	Install KWD-AE30K in NX-5000 series Portable **(Must purchase module separately)**	56.25	75.00
L-5004	Install KWD-AE31K in NX-5000 series Portable **(Must purchase module separately)**	56.25	75.00
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.	99.00	132.00

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L-5024	Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	20.25	27.00
L-5039	Configure NX-5200/5300/5400 for CSA US Intrinsically Safe **Must order KNB-LS5CU or KNB-LS7M I.S. battery**	25.50	34.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	37.50	50.00
L-5077	FSFS++ Forest Service Feature Set - Factory Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning **Note:** Must purchase per Radio • 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.	45.00	60.00
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning **Note:** Purchase per application - provided as Custom FW for unlimited radios To PLACE AN ORDER, 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.	1050.00	1400.00

-- 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

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 dealer 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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Basic **Standard Key** **Full Key**

All NX-3000 series portables include:
- Belt Clip (KBH-11)
- Acccessory 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 ±7.5kHz 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 Protocol[1]
- 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
- IP54/55[2] Water & Dust Intrusion
- IP67[2] Immersion
- Digital Encode/Decode Format
- 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
- S-Trunking Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- 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 & S-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	500.03	666.70
NX-3200K2	VHF (136-174MHz), 5.0 Watts, 512 CH, Standard Key Model	542.63	723.50
NX-3200K3	VHF (136-174MHz), 5.0 Watts, 512 CH, Full Key Model	584.10	778.80
NX-3300K	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model	500.03	666.70
NX-3300K2	UHF (400-520MHz), 5.0 Watts, 512 CH, Standard Key Model	542.63	723.50
NX-3300K3	UHF (400-520MHz), 5.0 Watts, 512 CH, Full Key Model	584.10	778.80

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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	708.60	944.80
NX-3300K2-XLKVP	UHF Extra-Cap Li-Ion Value Pack : NX-3300K2+KNB-78L(2860mAh)+KSC-25LSK+KRA-27M	708.60	944.80
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	681.60	908.80
NX-3300K2LAKVP	UHF Hi-Cap Li-Ion Value Pack : NX-3300K2+KNB-57LAM(2000mAh)+KSC-25LSK+KRA-27M	681.60	908.80
NX-3200K2SLAKVP	VHF Li-Ion Value Pack : NX-3200K2+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-26M	650.85	867.80
NX-3300K2SLAKVP	UHF Li-Ion Value Pack : NX-3300K2+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-27M	650.85	867.80
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	500.03	666.70
NX-3200-ISCK2	VHF (136-174MHz), 5.0 Watts, 512 CH, Standard Key Model	542.63	723.50
NX-3200-ISCK3	VHF (136-174MHz), 5.0 Watts, 512 CH, Full Key Model	584.10	778.80
NX-3300-ISCK	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model	500.03	666.70
NX-3300-ISCK2	UHF (400-520MHz), 5.0 Watts, 512 CH, Standard Key Model	542.63	723.50
NX-3300-ISCK3	UHF (400-520MHz), 5.0 Watts, 512 CH, Full Key Model	584.10	778.80

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.

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
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.	26.25	35.00
KWD-3302TR	License Key for DMR Tier 3 Trunking	75.00	100.00
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C, Type-C Gen2 and S-Trunking)	31.28	41.70
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
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.	337.50	450.00
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 transmition of Remote Control commands. - PC command for Remote Control does **NOT** require the license.	30.00	40.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00

ANTENNAS		EPL	LIST
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	13.88	18.50
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	13.88	18.50
ANTENNAS CON'T		**EPL**	**LIST**

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KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.88	18.50
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	13.88	18.50
KRA-23M2	UHF Low-profile helical antenna 470-520 MHz	13.88	18.50
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	13.88	18.50
KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-27M	UHF whip antenna 440-490 MHz	13.88	18.50
KRA-27M2	UHF whip antenna 470-520 MHz	13.88	18.50
KRA-27M3	UHF whip antenna 400-450 MHz	13.88	18.50
KRA-41M	VHF stubby antenna 148-162 MHz	11.63	15.50
KRA-41M2	VHF stubby antenna 162-174 MHz	11.63	15.50
KRA-41M3	VHF stubby antenna 136-150 MHz	11.63	15.50
KRA-42M	UHF stubby antenna 440-490 MHz	11.63	15.50
KRA-42M2	UHF stubby antenna 470-520 MHz	11.63	15.50
KRA-42M3	UHF stubby antenna 403-430 MHz	11.63	15.50
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	29.03	38.70
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	35.48	47.30
BATTERIES AND CHARGERS		***EPL***	***LIST***
KNB-78LM	2860 mAh, Li-ion battery, IP67, battery only, best for trunked mode operation	111.23	148.30
KNB-57LAM	2000 mAh, Li-ion battery, IP67, battery only, best for conventional mode operation	84.23	112.30
KNB-55LAM	1480 mAh, Li-ion battery, IP67, battery only	53.48	71.30
KNB-56N	1400 mAh, Ni-MH battery, IP67, battery only	67.65	90.20
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh, IP67, battery only **[Intrinsically Safe Option]**	136.73	182.30
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	45.60	60.80
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC/78LM/79LCM Li-ion Battery	40.88	54.50
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC/78LM/79LCM	52.50	70.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	157.50	210.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	240.75	321.00
KSC-256AK	Rapid rate 6-Unit charger for KNB-26N/55L/56N/57L/68LC/78LM/79LCM	617.25	823.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	50.63	67.50
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25SK chargers (chargers not included) *KSC-25**L**SK is not compatible with KVC-4.	98.63	131.50
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.	254.10	338.80
CARRYING ACCESSORIES		***EPL***	***LIST***
KBH-11	Spring action belt clip (2.5")	12.38	16.50
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.23	29.70
KLH-206K	Heavy-Duty Leather Case w/Swivel Belt Loop for Basic Model	41.40	55.20
KLH-206K2	Heavy-Duty Leather Case w/Swivel Belt Loop for Standard Keypad Model	41.40	55.20
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	41.40	55.20
KLH-207K	Nylon carrying case for Basic Model	22.23	29.70
KLH-207K2	Nylon carrying case for Standard Keypad Model	22.23	29.70
KLH-207K3	Nylon carrying case for Full Keypad Model	22.23	29.70

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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 Dealer 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.	33.90	45.20
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]**	255.15	340.20
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with **Active Noise Reduction** **Note:** IP68 is avaialble only when used with NX-5000 series portable **[Intrinsically Safe Option]**	110.03	146.70
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic **[Intrinsically Safe Option]**	84.53	112.70
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics **[Intrinsically Safe Option]**	47.03	62.70
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Option]**	140.85	187.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **Note:** Not compatible with TDMA operations **[Intrinsically Safe Option]**	179.03	238.70
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **Note:** Not compatible with TDMA operations **[Intrinsically Safe Option]**	123.38	164.50
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT **[Intrinsically Safe Option]**	377.03	502.70
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT **[Intrinsically Safe Option]**	330.15	440.20
OPTION MODULES		**EPL**	**LIST**
KCT-48VU	External Vibration Unit **Note:** Audio accessories cannot be used when this option installed.	72.00	96.00
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*	116.25	155.00
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)	409.88	546.50
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	276.00	368.00
KPG-36XM	Full Speed USB Programming interface cable	134.03	178.70
INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
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.	90.00	120.00
L-5052	NX-3000 Series Portables Programming (with basic TX/RX check) **Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.**	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Moble	18.75	25.00
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.	25.50	34.00
L-5068	Assemble Color Housing KWD-YH-3000U/P with NX-3000 series Portable	20.25	27.00

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NEXEDGE® DMR

NX-3200/3300

VHF/UHF Digital & FM Analog Portable Radios

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-- 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.

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NEXEDGE® DMR

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)
- Acccessory 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 ±6.25kHz 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 Protocol[1]
- 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
- IP54/55[2] Water & Dust Intrusion
- IP67[2] 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
- S-Trunking Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- 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 & S-Trunking (**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	717.98	957.30
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	899.55	1199.40

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NEXEDGE® DMR

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		
NX-3400-ISCK3	800/900MHz, 3.0 Watts, 512 CH, Full Key Model, NXDN Conv & Trunking	717.98	957.30

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	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
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.	26.25	35.00
KWD-3301CV	License Key for DMR Tier 2 Conventional & S-Trunking	31.50	42.00
KWD-3302TR	License Key for DMR Tier 3 Trunking (Requires KWD-3301CV)	75.00	100.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
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.	337.50	450.00
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 transmition of Remote Control commands. - PC command for Remote Control does **NOT** require the license.	30.00	40.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00

ANTENNAS		EPL	LIST
KRA-32K	700/800 MHz Whip Antenna	29.48	39.30
KRA-36	700/800 MHz Stubby Antenna	21.15	28.20
KRA-38K	800/900 MHz Whip Antenna	29.48	39.30
KRA-39	900 MHz Stubby Antenna	21.15	28.20

BATTERIES AND CHARGERS		EPL	LIST
KNB-78LM	2860 mAh, Li-ion battery, IP67, battery only, best for trunked mode operation	111.23	148.30
KNB-57LAM	2000 mAh, Li-ion battery, IP67, battery only, best for conventional mode operation	84.23	112.30
KNB-55LAM	1480 mAh, Li-ion battery, IP67, battery only	53.48	71.30
KNB-56N	1400 mAh, Ni-MH battery, IP67, battery only	67.65	90.20
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh, IP67, battery only **[Intrinsically Safe Option]**	136.73	182.30
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	45.60	60.80
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC/78LM/79LCM Li-ion Battery	40.88	54.50
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC/78LM/79LCM	52.50	70.00

BATTERIES AND CHARGERS CON'T		EPL	LIST

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KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	157.50	210.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	240.75	321.00
KSC-256AK	Rapid rate 6-Unit charger for KNB-26N/55L/56N/57L/68LC/78LM/79LCM	617.25	823.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	50.63	67.50
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25SK chargers (chargers not included) *KSC-25**L**SK is not compatible with KVC-4.	98.63	131.50
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.	254.10	338.80
CARRYING ACCESSORIES		***EPL***	***LIST***
KBH-11	Spring action belt clip (2.5")	12.38	16.50
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.23	29.70
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	41.40	55.20
KLH-207K3	Nylon carrying case for Full Keypad Model	22.23	29.70
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).	255.15	340.20
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with **Active Noise Reduction** **Note:** IP68 is avaialble only when used with NX-5000 series portable **[Intrinsically Safe Option]**	110.03	146.70
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic **[Intrinsically Safe Option]**	84.53	112.70
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics **[Intrinsically Safe Option]**	47.03	62.70
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Option]**	140.85	187.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **Note:** Not compatible with TDMA operations **[Intrinsically Safe Option]**	179.03	238.70
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **Note:** Not compatible with TDMA operations **[Intrinsically Safe Option]**	123.38	164.50
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT **[Intrinsically Safe Option]**	377.03	502.70
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT **[Intrinsically Safe Option]**	330.15	440.20
OPTION MODULES		***EPL***	***LIST***
KCT-48VU	External Vibration Unit **Note:** Audio accessories cannot be used when this option installed.	72.00	96.00
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*	116.25	155.00
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)	409.88	546.50
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	276.00	368.00
KPG-36XM	Full Speed USB Programming interface cable	134.03	178.70

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NX-3400

800/900MHz Digital & FM Analog Portable Radio

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INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
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.	90.00	120.00
L-5052	NX-3000 Series Portables Programming (with basic TX/RX check) **Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.**	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Moble	18.75	25.00
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.	25.50	34.00

-- 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.

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NEXEDGE® DMR

NX-3220/3320

VHF/UHF Digital & FM Analog Portable Radios

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Basic **Standard Key** **Full Key**

All NX-3000 series portables include:
- Belt Clip (KBH-11)
- 2-PIN Acccessory 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 ±7.5kHz 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 Protocol[1]
- 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
- IP54/55[2] Water & Dust Intrusion
- IP67[2] 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
- S-Trunking Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- 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 & S-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

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NEXEDGE® DMR

NX-3220/3320

VHF/UHF Digital & FM Analog Portable Radios

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RADIO		EPL	LIST
NX-3220K	VHF (136-174MHz), 5.0 Watts, 64 CH, Basic Model	397.73	530.30
NX-3220K2	VHF (136-174MHz), 5.0 Watts, 260CH, Standard Key Model	468.15	624.20
NX-3220K3	VHF (136-174MHz), 5.0 Watts, 260CH, Full Key Model	509.63	679.50
NX-3320K	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model	397.73	530.30
NX-3320K2	UHF (400-520MHz), 5.0 Watts, 260CH, Standard Key Model	468.15	624.20
NX-3320K3	UHF (400-520MHz), 5.0 Watts, 260CH, Full Key Model	509.63	679.50
RADIO TRUNKING PACKAGE		**EPL**	**LIST**
NX-3220K-TR	VHF (136-174MHz), 5.0 Watts, 64 CH, Basic Model with NXDN Trunking and S-Trunking	416.78	555.30
NX-3220K2-TR	VHF (136-174MHz), 5.0 Watts, 260CH, Standard Key Model with NXDN Trunking and S-Trunking	486.90	649.20
NX-3220K3-TR	VHF (136-174MHz), 5.0 Watts, 260CH, Full Key Model with NXDN Trunking and S-Trunking	528.38	704.50
NX-3320K-TR	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model with NXDN Trunking and S-Trunking	416.78	555.30
NX-3320K2-TR	UHF (400-520MHz), 5.0 Watts, 260CH, Standard Key Model with NXDN Trunking and S-Trunking	486.90	649.20
NX-3320K3-TR	UHF (400-520MHz), 5.0 Watts, 260CH, Full Key Model with NXDN Trunking and S-Trunking	528.38	704.50
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	633.90	845.50
NX-3320K2-XLKVP	UHF Extra-Cap Li-Ion Value Pack : NX-3320K2+KNB-78L(2860mAh)+KSC-25LSK+KRA-27M	633.90	845.50
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	607.13	809.50
NX-3320K2LAKVP	UHF Hi-Cap Li-Ion Value Pack : NX-3320K2+KNB-57LAM(2000mAh)+KSC-25LSK+KRA-27M	607.13	809.50
NX-3220KSLAKVP	VHF Li-Ion Value Pack : NX-3220K+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-26M	505.95	674.60
NX-3220K2SLAKVP	VHF Li-Ion Value Pack : NX-3220K2+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-26M	576.38	768.50
NX-3220K3SLAKVP	VHF Li-Ion Value Pack : NX-3220K3+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-26M	617.85	823.80
NX-3320KSLAKVP	UHF Li-Ion Value Pack : NX-3320K+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-27M	505.95	674.60
NX-3320K2SLAKVP	UHF Li-Ion Value Pack : NX-3320K2+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-27M	576.38	768.50
NX-3320K3SLAKVP	UHF Li-Ion Value Pack : NX-3320K3+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-27M	617.85	823.80
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	397.73	530.30
NX-3220-ISCK2	VHF (136-174MHz), 5.0 Watts, 512 CH, Standard Key Model	468.15	624.20
NX-3220-ISCK3	VHF (136-174MHz), 5.0 Watts, 512 CH, Full Key Model	509.63	679.50
NX-3320-ISCK	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model	397.73	530.30
NX-3320-ISCK2	UHF (400-520MHz), 5.0 Watts, 512 CH, Standard Key Model	468.15	624.20
NX-3320-ISCK3	UHF (400-520MHz), 5.0 Watts, 512 CH, Full Key Model	509.63	679.50

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.

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NX-3220/3320

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Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
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.	26.25	35.00
KWD-3302TR	License Key for DMR Tier 3 Trunking	75.00	100.00
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C, Type-C Gen2 and S-Trunking)	31.28	41.70
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
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.	337.50	450.00
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 transmition of Remote Control commands. - PC command for Remote Control does **NOT** require the license.	30.00	40.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00
ANTENNAS		**EPL**	**LIST**
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	13.88	18.50
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	13.88	18.50
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.88	18.50
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	13.88	18.50
KRA-23M2	UHF Low-profile helical antenna 470-520 MHz	13.88	18.50
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	13.88	18.50
KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-27M	UHF whip antenna 440-490 MHz	13.88	18.50
KRA-27M2	UHF whip antenna 470-520 MHz	13.88	18.50
KRA-27M3	UHF whip antenna 400-450 MHz	13.88	18.50
KRA-41M	VHF stubby antenna 148-162 MHz	11.63	15.50
KRA-41M2	VHF stubby antenna 162-174 MHz	11.63	15.50
KRA-41M3	VHF stubby antenna 136-150 MHz	11.63	15.50
KRA-42M	UHF stubby antenna 440-490 MHz	11.63	15.50
KRA-42M2	UHF stubby antenna 470-520 MHz	11.63	15.50
KRA-42M3	UHF stubby antenna 403-430 MHz	11.63	15.50
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	29.03	38.70
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	35.48	47.30
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-78LM	2860 mAh, Li-ion battery, IP67, battery only, best for trunked mode operation	111.23	148.30
KNB-57LAM	2000 mAh, Li-ion battery, IP67, battery only, best for conventional mode operation	84.23	112.30
KNB-55LAM	1480 mAh, Li-ion battery, IP67, battery only	53.48	71.30
KNB-56N	1400 mAh, Ni-MH battery, IP67, battery only	67.65	90.20
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh, IP67, battery only **[Intrinsically Safe Option]**	136.73	182.30
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	45.60	60.80
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/57LAM/68LC/78LM/79LCM Li-ion Battery	40.88	54.50
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/57LAM/68LC/78LM/79LCM	52.50	70.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	157.50	210.00

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KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	240.75	321.00
KSC-256AK	Rapid rate 6-Unit charger for KNB-26N/55L/56N/57L/57LAM/68LC/78LM/79LCM	617.25	823.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	50.63	67.50

BATTERIES AND CHARGERS, CON'T		***EPL***	***LIST***
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25SK chargers (chargers not included) *KSC-25**L**SK is not compatible with KVC-4.	98.63	131.50
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.	254.10	338.80

CARRYING ACCESSORIES		***EPL***	***LIST***
KBH-11	Spring action belt clip (2.5")	12.38	16.50
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.23	29.70
KLH-206K	Heavy-Duty Leather Case w/Swivel Belt Loop for Basic Model	41.40	55.20
KLH-206K2	Heavy-Duty Leather Case w/Swivel Belt Loop for Standard Keypad Model	41.40	55.20
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Kyepad Model	41.40	55.20
KLH-207K	Nylon carrying case for Basic Model	22.23	29.70
KLH-207K2	Nylon carrying case for Standard Keypad Model	22.23	29.70
KLH-207K3	Nylon carrying case for Full Keypad Model	22.23	29.70

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 Dealer 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.	33.90	45.20

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) operaiton. **[Intrinsically Safe Option]**	72.75	97.00
KMC-21A	Compact speaker microphone **[Intrinsically Safe Option]**	43.50	58.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic **[Intrinsically Safe Option]**	47.03	62.70
KHS-7	Single muff headset w/boom mic **[Intrinsically Safe Option]**	72.00	96.00
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]**	93.90	125.20
KHS-8BL	Two-Wire palm mic w/earphone (black) **[Intrinsically Safe Option]**	92.63	123.50
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	149.63	199.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	330.15	440.20

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KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	335.78	447.70
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]**	47.85	63.80
KHS-26	Clip Mic w/earphone	25.28	33.70
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	22.13	29.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	27.00	36.00
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*	116.25	155.00
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)	409.88	546.50
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	276.00	368.00
KPG-22UM	USB Programming interface cable	134.03	178.70
INSTALLATION / TUNING CHARGES		***EPL***	***LIST***
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
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.	90.00	120.00
L-5052	NX-3000 Series Portables Programming (with basic TX/RX check) **Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.**	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Moble	18.75	25.00
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.	25.50	34.00
L-5068	Assemble Color Housing KWD-YH-3000U/P with NX-3000 series Portable	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.

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All NX-3420 portables include:
- Belt Clip (KBH-11)
- Antenna (KRA-38K)
- 2-PIN Acccessory 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 ±6.25kHz 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
- 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 Protocol[1]
- 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
- IP54/55[2] Water & Dust Intrusion
- IP67[2] 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
- S-Trunking Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- 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 & S-Trunking (**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	556.50	742.00
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	708.60	944.60

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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	556.50	742.00

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	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
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.	26.25	35.00
KWD-3301CV	License Key for DMR Tier 2 Conventional & S-Trunking	75.00	42.00
KWD-3302TR	License Key for DMR Tier 3 Trunking (Requires KWD-3301CV)	31.28	100.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
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.	337.50	450.00
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 transmition of Remote Control commands. - PC command for Remote Control does **NOT** require the license.	30.00	40.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00

ANTENNAS		EPL	LIST
KRA-32K	700/800 MHz Whip Antenna	29.48	39.30
KRA-36	700/800 MHz Stubby Antenna	21.15	28.20
KRA-38K	800/900 MHz Whip Antenna	29.48	39.30
KRA-39	900 MHz Stubby Antenna	21.15	28.20

BATTERIES AND CHARGERS		EPL	LIST
KNB-78LM	2860 mAh, Li-ion battery, IP67, battery only, best for trunked mode operation	111.23	148.30
KNB-57LAM	2000 mAh, Li-ion battery, IP67, battery only, best for conventional mode operation	84.23	112.30
KNB-55LAM	1480 mAh, Li-ion battery, IP67, battery only	53.48	71.30
KNB-56N	1400 mAh, Ni-MH battery, IP67, battery only	67.65	90.20
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh, IP67, battery only **[Intrinsically Safe Option]**	136.73	182.30
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	45.60	60.80

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BATTERIES AND CHARGERS, CON'T		EPL	LIST
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/57LAM/68LC/78LM/79LCM Li-ion Battery	40.88	54.50
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/57LAM/68LC/78LM/79LCM	52.50	70.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	157.50	210.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	240.75	321.00
KSC-256AK	Rapid rate 6-Unit charger for KNB-26N/55L/56N/57L/57LAM/68LC/78LM/79LCM	617.25	823.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	50.63	67.50
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25SK chargers (chargers not included) *KSC-25**L**SK is not compatible with KVC-4.	98.63	131.50
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.	254.10	338.80

CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	12.38	16.50
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.23	29.70
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	41.40	55.20
KLH-207K3	Nylon carrying case for Full Keypad Model	22.23	29.70

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) operaiton. **[Intrinsically Safe Option]**	72.75	97.00
KMC-21A	Compact speaker microphone **[Intrinsically Safe Option]**	43.50	58.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic **[Intrinsically Safe Option]**	47.03	62.70
KHS-7	Single muff headset w/boom mic **[Intrinsically Safe Option]**	72.00	96.00
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]**	93.90	125.20
KHS-8BL	Two-Wire palm mic w/earphone (black) **[Intrinsically Safe Option]**	92.63	123.50
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	149.63	199.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	330.15	440.20
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	335.78	447.70
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]**	47.85	63.80
KHS-26	Clip Mic w/earphone	25.28	33.70
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	22.13	29.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	27.00	36.00

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NEXEDGE® DMR

NX-3420

800/900MHz Digital & FM Analog Portable Radio

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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*	116.25	155.00
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)	409.88	546.50
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	276.00	368.00
KPG-22UM	USB Programming interface cable	134.03	178.70

INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
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.	90.00	120.00
L-5052	NX-3000 Series Portables Programming (with basic TX/RX check) **Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.**	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Moble	18.75	25.00
L-5062	Configure NX-3000 series for CSA US Intrinsically Safe **Note:** NX-3000 series U.S. radios must be used with matching U.S. battery KNB-79LCM.	25.50	34.00

-- 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.

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NEXEDGE®

NX-1200NV/1300NU

VHF/UHF NXDN & 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
- 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
  - Microhpone 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/Unihibit, 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			*LIST*
NX-1200NVK	VHF (136-174MHz), 5W, 64 CH, Basic Model, NXDN/Analog	261.00	348.00
NX-1200NVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog	325.88	434.50
NX-1300NUK	UHF (450-520MHz), 5W, 64 CH, Basic Model, NXDN/Analog	261.00	348.00
NX-1300NUK2	UHF (450-520MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog	325.88	434.50
NX-1300NUK4	UHF (400-470MHz), 5W, 64 CH, Basic Model, NXDN/Analog	261.00	348.00
NX-1300NUK5	UHF (400-470MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog	325.88	434.50
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 **Note:** Can be used in Class I Gas Environment only	387.00	516.00
NX-1200-ISCNVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog **Note:** Can be used in Class I Gas Environment only	451.88	602.50

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NX-1200NV/1300NU

VHF/UHF NXDN & FM Analog Portable Radios

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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	387.00	516.00
NX-1300-ISCNUK2	UHF (450-520MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog **Note**: Can be used in Class I Gas Environment only	451.88	602.50
NX-1300-ISCNUK4	UHF (400-470MHz), 5W, 64 CH, Basic Model, NXDN/Analog **Note**: Can be used in Class I Gas Environment only	387.00	516.00
NX-1300-ISCNUK5	UHF (400-470MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog **Note**: Can be used in Class I Gas Environment only	451.88	602.50
ANTENNAS		**EPL**	**LIST**
KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-27M	UHF whip antenna 440-490 MHz	13.88	18.50
KRA-27M2	UHF whip antenna 470-520 MHz	13.88	18.50
KRA-27M3	UHF whip antenna 400-450 MHz	13.88	18.50
KRA-41M	VHF stubby antenna 148-162 MHz	11.63	15.50
KRA-41M2	VHF stubby antenna 162-174 MHz	11.63	15.50
KRA-41M3	VHF stubby antenna 136-150 MHz	11.63	15.50
KRA-42M	UHF stubby antenna 440-490 MHz	11.63	15.50
KRA-42M2	UHF stubby antenna 470-520 MHz	11.63	15.50
KRA-42M3	UHF stubby antenna 403-430 MHz	11.63	15.50
KRA-22M	VHF low profile antenna 148-162 MHz	13.88	18.50
KRA-22M2	VHF low profile antenna 162-174 MHz	13.88	18.50
KRA-22M3	VHF low profile antenna 136-150 MHz	13.88	18.50
KRA-23M	UHF low profile antenna 450-490 MHz	13.88	18.50
KRA-23M2	UHF low profile antenna 470-520 MHz	13.88	18.50
KRA-23M3	UHF low profile antenna 403-430 MHz	13.88	18.50
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	54.98	73.30
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	66.38	88.50
KNB-82LCM	CSA US Intrinsically Safe Battery Li-ion 1900mAh, battery only **[Intrinsically Safe Option]**	62.10	129.70
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	31.13	41.50
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	26.63	35.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	30.98	41.30
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.	176.78	235.70
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	30.98	41.30
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-10	Spring action belt clip	6.98	9.30
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.23	29.70
KLH-187	Nylon case for NX-1200/1300 srs	12.38	16.50

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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) operaiton. **[Intrinsically Safe Option]**	72.75	97.00
KMC-21A	Compact speaker microphone **[Intrinsically Safe Option]**	43.50	58.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic **[Intrinsically Safe Option]**	47.03	62.70
KHS-7	Single muff headset w/boom mic **[Intrinsically Safe Option]**	72.00	96.00
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]**	93.90	125.20
KHS-8BL	Two-Wire palm mic w/earphone (black) **[Intrinsically Safe Option]**	92.63	123.50
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	149.63	199.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	330.15	440.20
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	335.78	447.70
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]**	47.85	63.80
KHS-26	Clip Mic w/earphone **[Intrinsically Safe Option]**	25.28	33.70
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	22.13	29.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	27.00	36.00

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.

Radio Features		EPL	LIST
KWD-1202TDK	License Key for NXDN Type-D Trunking	7.50	10.00
KWD-1301CN	License Key for DMR Conventional Conversion	31.50	42.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption **Note:** ARC4 Enhanced Encryption is avaialble only in DMR mode.	25.50	34.00
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 transmition of Remote Control commands.	25.50	34.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable **Note:** Requires KPT-300LMC for authentication	78.00	104.00
KPG-22UM	USB Programming interface cable	134.03	178.70

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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.	90.00	120.00
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.**	28.13	37.50

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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
- 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
  - Microhpone 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/Unihibit, 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	386.63	515.50
NX-1300NUK3	UHF (450-520MHz), 5W, 260 CH, LCD & Full Keypad, NXDN/Analog	386.63	515.50
NX-1300NUK6	UHF (400-470MHz), 5W, 260 CH, LCD & Full Keypad, NXDN/Analog	386.63	515.50
ANTENNAS		***EPL***	***LIST***
KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-27M	UHF whip antenna 440-490 MHz	13.88	18.50
KRA-27M2	UHF whip antenna 470-520 MHz	13.88	18.50
KRA-27M3	UHF whip antenna 400-450 MHz	13.88	18.50

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ANTENNAS, CON'T		EPL	LIST
KRA-41M	VHF stubby antenna 148-162 MHz	11.63	15.50
KRA-41M2	VHF stubby antenna 162-174 MHz	11.63	15.50
KRA-41M3	VHF stubby antenna 136-150 MHz	11.63	15.50
KRA-42M	UHF stubby antenna 440-490 MHz	11.63	15.50
KRA-42M2	UHF stubby antenna 470-520 MHz	11.63	15.50
KRA-42M3	UHF stubby antenna 403-430 MHz	11.63	15.50
KRA-22M	VHF low profile antenna 148-162 MHz	13.88	18.50
KRA-22M2	VHF low profile antenna 162-174 MHz	13.88	18.50
KRA-22M3	VHF low profile antenna 136-150 MHz	13.88	18.50
KRA-23M	UHF low profile antenna 450-490 MHz	13.88	18.50
KRA-23M2	UHF low profile antenna 470-520 MHz	13.88	18.50
KRA-23M3	UHF low profile antenna 403-430 MHz	13.88	18.50
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	54.98	73.30
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	66.38	88.50
KNB-84LA	1900 mAh, Li-ion battery (**IEC 60529 - IP67**) - requires KSC-35K/SK charger	62.10	82.80
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	31.13	41.50
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L/84LA	26.63	35.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L/84LA	30.98	41.30
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.	176.78	235.70
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	30.98	41.30
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-10	Spring action belt clip	6.98	9.30
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.23	29.70
KLH-187	Nylon case for NX-1200/1300 srs (non-DTMF)	12.38	16.50
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) operaiton.	72.75	97.00
KMC-21A	Compact speaker microphone	43.50	58.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	47.03	62.70
KHS-7	Single muff headset w/boom mic	72.00	96.00
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.	93.90	125.20
KHS-8BL	Two-Wire palm mic w/earphone (black)	92.63	123.50
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only, NOT compatible with DMR (TDMA) operations.	149.63	199.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	330.15	440.20
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	335.78	447.70
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	47.85	63.80
KHS-26	Clip Mic w/earphone	25.28	33.70
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	22.13	29.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	27.00	36.00

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NEXEDGE®

NX-1200NV/1300NU (K3/K6)

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	7.50	10.00
KWD-1301CN	License Key for DMR Conventional Conversion	31.50	42.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption **Note:** ARC4 Enhanced Encryption is avaialble only in DMR mode.	25.50	34.00
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 transmition of Remote Control commands.	25.50	34.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable **Note:** Requires KPT-300LMC for authentication	78.00	104.00
KPG-22UM	USB Programming interface cable	134.03	178.70

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.	90.00	120.00
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.**	28.13	37.50

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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
  - Microhpone 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/Unihibit, 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	261.00	348.00
NX-1200DVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog	325.88	434.50
NX-1300DUK	UHF (450-520MHz), 5W, 64 CH, Basic Model, DMR/Analog	261.00	348.00
NX-1300DUK2	UHF (450-520MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog	325.88	434.50
NX-1300DUK4	UHF (400-470MHz), 5W, 64 CH, Basic Model, DMR/Analog	261.00	348.00
NX-1300DUK5	UHF (400-470MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog	325.88	434.50
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	387.00	516.00
NX-1200-ISCDVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog **Note:** Can be used in Class I Gas Environment only	451.88	602.50

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VHF/UHF DMR & FM Analog Portable Radios

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NX-1300-ISCDUK	UHF (450-520MHz), 5W, 64 CH, Basic Model, DMR/Analog **Note:** Can be used in Class I Gas Environment only	387.00	516.00
NX-1300-ISCDUK2	UHF (450-520MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog **Note**: Can be used in Class I Gas Environment only	451.88	602.50
NX-1300-ISCDUK4	UHF (400-470MHz), 5W, 64 CH, Basic Model, DMR/Analog **Note**: Can be used in Class I Gas Environment only	387.00	516.00
NX-1300-ISCDUK5	UHF (400-470MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog **Note**: Can be used in Class I Gas Environment only	451.88	602.50
ANTENNAS		***EPL***	***LIST***
KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-27M	UHF whip antenna 440-490 MHz	13.88	18.50
KRA-27M2	UHF whip antenna 470-520 MHz	13.88	18.50
KRA-27M3	UHF whip antenna 400-450 MHz	13.88	18.50
KRA-41M	VHF stubby antenna 148-162 MHz	11.63	15.50
KRA-41M2	VHF stubby antenna 162-174 MHz	11.63	15.50
KRA-41M3	VHF stubby antenna 136-150 MHz	11.63	15.50
KRA-42M	UHF stubby antenna 440-490 MHz	11.63	15.50
KRA-42M2	UHF stubby antenna 470-520 MHz	11.63	15.50
KRA-42M3	UHF stubby antenna 403-430 MHz	11.63	15.50
KRA-22M	VHF low profile antenna 148-162 MHz	13.88	18.50
KRA-22M2	VHF low profile antenna 162-174 MHz	13.88	18.50
KRA-22M3	VHF low profile antenna 136-150 MHz	13.88	18.50
KRA-23M	UHF low profile antenna 450-490 MHz	13.88	18.50
KRA-23M2	UHF low profile antenna 470-520 MHz	13.88	18.50
KRA-23M3	UHF low profile antenna 403-430 MHz	13.88	18.50
BATTERIES AND CHARGERS		***EPL***	***LIST***
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	54.98	73.30
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	66.38	88.50
KNB-82LCM	CSA US Intrinsically Safe Battery Li-ion 1900mAh, battery only **[Intrinsically Safe Option]**	62.10	129.70
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	31.13	41.50
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	26.63	35.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	30.98	41.30
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.	176.78	235.70
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	30.98	41.30
CARRYING ACCESSORIES		***EPL***	***LIST***
KBH-10	Spring action belt clip	6.98	9.30
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.23	29.70
KLH-187	Nylon case for NX-1200/1300 srs	12.38	16.50

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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) operaiton. **[Intrinsically Safe Option]**	72.75	97.00
KMC-21A	Compact speaker microphone **[Intrinsically Safe Option]**	43.50	58.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic **[Intrinsically Safe Option]**	47.03	62.70
KHS-7	Single muff headset w/boom mic **[Intrinsically Safe Option]**	72.00	96.00
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]**	93.90	125.20
KHS-8BL	Two-Wire palm mic w/earphone (black) **[Intrinsically Safe Option]**	92.63	123.50
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	149.63	199.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	330.15	440.20
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	335.78	447.70
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]**	47.85	63.80
KHS-26	Clip Mic w/earphone **[Intrinsically Safe Option]**	25.28	33.70
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	22.13	29.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	27.00	36.00

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.

Radio Features		EPL	LIST
KWD-1201CD	License Key for NXDN Conventional Conversion	31.50	42.00
KWD-1202TDK	License Key for NXDN Type-D Trunking **Note:** Requires KWD-1201CD (NXDN Conventional) enabled before applying NXDN Type-D Trunking license.	7.50	10.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption **Note:** ARC4 Enhanced Encryption is avaialble only in DMR mode.	25.50	34.00
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 transmition of Remote Control commands.	25.50	34.00

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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 **Note:** Requires KPT-300LMC for authentication	78.00	104.00
KPG-22UM	USB Programming interface cable	134.03	178.70

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.	90.00	120.00
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**	28.13	37.50

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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
  - Microhpone 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/Unihibit, 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	386.63	515.50
NX-1300DUK3	UHF (450-520MHz), 5W, 260 CH, Full Keypad Model, DMR/Analog	386.63	515.50
NX-1300DUK6	UHF (400-470MHz), 5W, 260 CH, Full Keypad Model, DMR/Analog	386.63	515.50
ANTENNAS		**EPL**	**LIST**
KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-27M	UHF whip antenna 440-490 MHz	13.88	18.50
KRA-27M2	UHF whip antenna 470-520 MHz	13.88	18.50
KRA-27M3	UHF whip antenna 400-450 MHz	13.88	18.50

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

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ANTENNAS, CON'T		EPL	LIST
KRA-41M	VHF stubby antenna 148-162 MHz	11.63	15.50
KRA-41M2	VHF stubby antenna 162-174 MHz	11.63	15.50
KRA-41M3	VHF stubby antenna 136-150 MHz	11.63	15.50
KRA-42M	UHF stubby antenna 440-490 MHz	11.63	15.50
KRA-42M2	UHF stubby antenna 470-520 MHz	11.63	15.50
KRA-42M3	UHF stubby antenna 403-430 MHz	11.63	15.50
KRA-22M	VHF low profile antenna 148-162 MHz	13.88	18.50
KRA-22M2	VHF low profile antenna 162-174 MHz	13.88	18.50
KRA-22M3	VHF low profile antenna 136-150 MHz	13.88	18.50
KRA-23M	UHF low profile antenna 450-490 MHz	13.88	18.50
KRA-23M2	UHF low profile antenna 470-520 MHz	13.88	18.50
KRA-23M3	UHF low profile antenna 403-430 MHz	13.88	18.50
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	54.98	73.30
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	66.38	88.50
KNB-84LA	1900 mAh, Li-ion battery (**IEC 60529 - IP67**) - requires KSC-35K/SK charger	62.10	82.80
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	31.13	41.50
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	26.63	35.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	30.98	41.30
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.	176.78	235.70
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	30.98	41.30
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-10	Spring action belt clip	6.98	9.30
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.23	29.70
KLH-187	Nylon case for NX-1200/1300 srs (non-DTMF)	12.38	16.50
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) operaiton.	72.75	97.00
KMC-21A	Compact speaker microphone	43.50	58.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	47.03	62.70
KHS-7	Single muff headset w/boom mic	72.00	96.00
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.	93.90	125.20
KHS-8BL	Two-Wire palm mic w/earphone (black)	92.63	123.50
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only, NOT compatible with DMR (TDMA) operations.	149.63	199.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	330.15	440.20
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	335.78	447.70
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	47.85	63.80
KHS-26	Clip Mic w/earphone	25.28	33.70

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

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KHS-27A	D-Ring Ear Hanger w/PTT & Mic	22.13	29.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	27.00	36.00

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.

Radio Features		EPL	LIST
KWD-1201CD	License Key for NXDN Conventional Conversion	31.50	42.00
KWD-1202TDK	License Key for NXDN Type-D Trunking **Note:** Requires KWD-1201CD (NXDN Conventional) enabled before applying NXDN Type-D Trunking license.	7.50	10.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption **Note:** ARC4 Enhanced Encryption is avaialble only in DMR mode.	25.50	34.00
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 transmition of Remote Control commands.	25.50	34.00

SERVICE RELATED ACCESSORIES

		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable **Note:** Requires KPT-300LMC for authentication	78.00	104.00
KPG-22UM	USB Programming interface cable	134.03	178.70

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.	90.00	120.00
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.**	28.13	37.50

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NEXEDGE®

NX-205G/305G

VHF/UHF Digital & FM Analog Portables (w/ Built-In GPS)

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All NX-G series portables include:
- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately.

GENERAL FEATURES
- 5 W (136-174 MHz) Models
- 5 W (400-470, 450-520 MHz) Models
- 512 CH-GID / 128 Zones
- 12-Key Keypad Models
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- 500 mW Speaker Audio
- Emergency Call Features
- Built-in GPS Unit
(KRA-43G/44G is required for GPS operation)
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input1
- Transparent Data Mode

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- 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 with Voice
- NXDN® Scrambler Included
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

DIGITAL – CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

DIGITAL – TRUNKING MODE
- Individual Private Call
- Group Call & Broadcast Call
- Telephone Interconnect
- Transmission Trunked Mode
- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
- 4 Priority Monitor ID's
- Remote Group Add
- System Auto Select

DIGITAL - MULTI-SITE IP NETWORKS
NEXEDGE Generation1 System
- 48site Trunkied IP Network
- Auto Roaming Registraition
- Group Registration

NEXEDGE Generation1 System Bridge
- 8 Trunked Networks per radio (each in a zone)
- UID Lists for each network

NEXEDGE Generation2 System (option)
- 1,152 sites Wide Area System
- Direct Frequency Assignment
- Advanced GPS
- Multi-System Roaming

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODE – GENERAL
- 25 & 12.5 kHz Channels
- Conventional & LTR® Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT & Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

MPT ZONES (option)
- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency Status / Text Messages

MDC-1200
- PTT ID ANI / Caller ID

RADIO		*EPL*	*LIST*
NX-205GK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	577.28	769.70
NX-205GK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	620.10	826.80
NX-305GK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	577.28	769.70
NX-305GK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	577.28	769.70
NX-305GK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	620.10	826.80
NX-305GK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	620.00	826.80
ANTENNAS		*EPL*	*LIST*
KRA-43GM	VHF helical antenna 146-162 MHz (w/GPS)	14.63	19.50
KRA-43GM2	VHF helical antenna 162-174 MHz (w/GPS)	14.63	19.50
KRA-43GM3	VHF helical antenna 136-150 MHz (w/GPS)	14.63	19.50
KRA-44GM	UHF helical antenna 440-490 MHz (w/GPS)	14.63	19.50
KRA-44GM2	UHF helical antenna 470-520 MHz (w/GPS)	14.63	19.50
KRA-44GM3	UHF helical antenna 400-450 MHz (w/GPS)	14.63	19.50

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VHF/UHF Digital & FM Analog Portables (w/ Built-In GPS)

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KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-27M	UHF whip antenna 440-490 MHz	13.88	18.50
KRA-27M2	UHF whip antenna 470-520 MHz	13.88	18.50
KRA-27M3	UHF whip antenna 400-450 MHz	13.88	18.50
KRA-22M	VHF low-profile helical antenna 148-162 MHz	13.88	18.50
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	13.88	18.50
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.88	18.50
KRA-23M	UHF low-profile helical antenna 450-490 MHz	13.88	18.50
KRA-23M2	UHF low-profile helical antenna 470-520 MHz	13.88	18.50
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	13.88	18.50
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	29.03	38.70
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	35.48	47.30
KRA-29	Broad Band UHF Whip Antenna 380-430 MHz	31.13	41.50
BATTERIES AND CHARGERS		***EPL***	***LIST***
KNB-47LAM	1950 mAh, Li-ion battery - requires KSC-32/326K/326AK charger	91.13	121.50
KNB-48LAM	2550 mAh, Li-ion battery - requires KSC-32/326K/326AK charger	106.28	141.70
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC **Note:** Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied)	67.65	90.20
KSC-326AK	Rapid rate 6-unit charger CEC Compliant	617.25	823.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	50.63	67.50
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	240.75	321.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	134.03	178.70
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x05/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	254.10	338.80
CARRYING ACCESSORIES		***EPL***	***LIST***
KBH-11	Spring action belt clip (2.5")	12.38	16.50
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.23	29.70
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back for KLH-148 leather case	18.60	24.80
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	31.13	41.50
KLH-148K	Heavy duty leather case for TK-5x20, NX-x00/x05 (Non DTMF keypad models)	37.35	49.80
KLH-148K2	Heavy duty leather case for TK-5x20, NX-x00/x05 (DTMF keypad models)	37.35	49.80
KLH-149K	Nylon carrying case for TK-5x20, NX-x00/x05 (Non DTMF keypad models)	22.23	29.70
KLH-149K2	Nylon carrying case for TK-5x20, NX-x00/x05 (DTMF keypad models)	22.23	29.70
SPECIAL COLOR HOUSING		***EPL***	***LIST***
KWD-YH20-NX	Yellow Housing Kit for NX-x00/x05 portables (6 Control Keys Version Only) Order **L-1714** for Factory Install. (required for IP67 radio orders)	33.90	45.20
KWD-OH20-NX	Orange Housing Kit for NX-x00/x05 portables (6 Control Keys Version Only) Order **L-1739** for Factory Install. (required for IP67 radio orders)	33.90	45.20
MICROPHONES & AUDIO ACCESSORIES		***EPL***	***LIST***
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector **Note**: 5/16" Coax cable hex wrench included (antenna is not included).	255.15	340.20
KMC-72W	MIL-SPEC, IP54/55/67* Noise-cancelling Speaker Mic **Note:** Radio does not have an IP67 Immersion spec; meets MIL STD810 rain standards.	84.53	112.70
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics	47.03	62.70
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector)	193.65	258.20
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black)	140.85	187.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black)	179.03	238.70
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT	123.38	164.50

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VHF/UHF Digital & FM Analog Portables (w/ Built-In GPS)

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KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	377.03	502.70
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	330.15	440.20
SOFTWARE & USB OPTIONS		***EPL***	***LIST***
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).	409.88	546.50
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required	276.00	368.00
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*05/*10/*11/*20 Portables & Mobiles Must order **L-1812** for factory installation, or **L-1813** for field-upgrade option	12.75	17.00
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*05/*10/*11/*20 series **without ESN**. KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes KPG-97USB software for activating radios. **Note:** - Must order L-1819. - Must purchase KWD-NX2G-10 seperately. - KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order. - KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders. - KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options. - The licenses (KWD-NX2G-10) installed to the KWD-LIC-USB is **NOT** eligible for warranty compensaton.	NC	NC
OPTION MODULES		***EPL***	***LIST***
KCT-48VU	External Vibration Unit **Note:** Audio accessories cannot be used when this option installed.	72.00	96.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) Order **L-1093** for NXDN®/FleetSync® operations	18.60	24.80
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1828 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:** GPS Board must be removed to install this option.	717.98	957.30
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1829 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:** GPS Board must be removed to install this option.	465.38	620.50
SERVICE RELATED ACCESSORIES		***EPL***	***LIST***
KPG-111DNK	Windows® Programming Software for NX-*00/*05/*10/*11 Series (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-36XM	USB Programming interface cable	134.03	178.70
MPT FIRMWARE/ACCESSORIES/TUNING		***EPL***	***LIST***
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: - Must order **L-1727** for Network Level License ID & programming privileges	77.44	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	50.03	66.70
L-1726	Install MPT option in NX series radio	18.75	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	118.75	158.33
L-1728	Retrofit Install of MPT option in NX series radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. **Note:** see NX series MPT Introduction Sales Bulletin for details.	63.75	85.00

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L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	NC	NC
L-1730	Install KCT-57MS (for MPT Emergency Call)	15.00	20.00
INSTALLATION / TUNING CHARGES		***EPL***	***LIST***
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	12.75	17.00
L-1084	NX-x00(S)/x05 Programming (with basic TX/RX check)	28.13	37.50
L-1093	NX-x00(S)/x05 Portable KCT-57MS Installation (for NXDN® / FleetSync®)	15.00	20.00
L-1100	Multi-Channel Encoder Modification	18.75	25.00
L-1714	Assemble Yellow Housing KWD-YH20-NX with NX-x00/x05 portables (6 Control Keys Version Only)	20.25	27.00
L-1739	Assemble Orange Housing KWD-OH20-NX with NX-x00/x05 portables (6 Control Keys Version Only)	20.25	27.00
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	NC	NC
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00
L-1828	Install KWD-AE30K in NX-x00/x05 series Portable (Must purchase module separately)	56.25	75.00
L-1829	Install KWD-AE31K in NX-x00/x05 series Portable (Must purchase module separately)	56.25	75.00

-- IMPORTANT NOTES --

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, 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.

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 JVCKENWOOD USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated JVCKENWOOD USA Corporation employee); shipping/handling by a dealer 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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NEXEDGE®

NX-210G

VHF Digital & FM Analog Portables (w/ Built-In GPS)

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210G series portable include:
- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Order packages to include Battery, Charger & Antenna, or purchase Battery, Charger, and Antenna separately.

Approved by CSA 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, C, D hazardous locations.
Note: Class I, Div 2 Group A & B Gases require use of a portable carrying case.

GENERAL FEATURES
- 5 W (136-174 MHz) Model
- 512 CH-GID / 128 Zones
- 12-Key Keypad Model
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- Emergency/AUX Key
- 500 mW Speaker Audio
- Built-In GPS Unit
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- 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
- Remote Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included
- DES Encryption Module Option*
- AES & DES Encryption Module Option*
- AES/DES Software Key Loader Option

DIGITAL – CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

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- Individual Private Call
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- Telephone Interconnect
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- Message Trunked Mode
- Call Queuing with Priority
- Late Entry (UID & GID)
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- System Auto Select

DIGITAL - MULTI-SITE IP NETWORKS
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NEXEDGE Generation1 System Bridge
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- UID Lists for each network

NEXEDGE Generation2 System (option)
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- Direct Frequency Assignment

SCAN
- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

ANALOG MODE – GENERAL
- 25 & 12.5 kHz Channels
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- FleetSync®/II, MDC-1200, DTMF
- QT / DQT & Two-Tone (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

FleetSync®/II (FM)
- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency Status / Text Messages

MDC-1200
- PTT ID ANI / Caller ID
- Emergency / Radio Check & Inhibit

* Must remove GPS module to utilize these options

RADIO		EPL	LIST
NX-210GK2	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad	620.10	826.80
CSA US APPROVED MODELS		**EPL**	**LIST**
	Must Order L-1750 & an Intrinsically Safe Battery per radio		
NX-210-ISCGK2	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Key (I.S.)	620.10	826.80
PACKAGE		**EPL**	**LIST**
NX-210GK2-LKP	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad VHF Li-Ion Battery Package (NX-210K2 + KNB-33L + KSC-32 + KRA-26M)	792.75	1,057.00

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ANTENNAS		EPL	LIST
KRA-43GM	VHF helical antenna 146-162 MHz (w/GPS)	14.63	19.50
KRA-43GM2	VHF helical antenna 162-174 MHz (w/GPS)	14.63	19.50
KRA-43GM3	VHF helical antenna 136-150 MHz (w/GPS)	14.63	19.50
KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-22M	VHF low-profile helical antenna 148-162 MHz	13.88	18.50
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	13.88	18.50
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.88	18.50
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	29.03	38.70
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	35.48	47.30
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-41NC	2500 mAh, Ni-MH battery - requires KSC-32/326K/326AK charger **[CSA-us Intrinsically Safe Option]** **Note:** FM Intrinsically Safe Option and repairs for FM certified radio are no longer available. Once repaired, radio loses FM certification and is required to be recertified to CSA-us to maintain the IS rating.	115.28	153.70
KNB-54N	2500 mAh, Ni-MH battery - requires KSC-32/326K/326AK charger	74.03	98.70
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K/326AK charger	91.13	121.50
KNB-43L	3300 mAh, Li-Polymer battery - requires KSC-32/326K/326AK charger	140.85	187.80
KBP-6	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included **Note:** the color of the case is orange.	57.98	77.30
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC **Note:** Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied)	67.65	90.20
KSC-326AK	Rapid rate 6-unit charger CEC Compliant	617.25	823.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	50.63	67.50
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	240.75	321.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	134.03	178.70
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	254.10	338.80
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-10	Low profile spring action belt clip (for use with KNB-33L Only)	6.98	9.30
KBH-11	Spring action belt clip (2.5")	12.38	16.50
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.23	29.70
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	18.60	24.80
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	31.13	41.50
KLH-154K2	Heavy duty leather carrying case for NX-210K2/410K2/411K2 **Note:** No belt loop flap is included. Must order KLH-6SW for belt loop.	37.35	49.80
MICROPHONES & AUDIO ACCESSORIES		**EPL**	**LIST**
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector **[Intrinsically Safe Approved Accessory]** **Note**: 5/16" Coax cable hex wrench included (antenna is not included).	255.15	340.20

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NEXEDGE®

NX-210G

VHF Digital & FM Analog Portables (w/ Built-In GPS)

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MICROPHONES & AUDIO ACCESSORIES, CON'T		EPL	LIST
KMC-72W	MIL-SPEC, IP54/55/67* Noise-cancelling Speaker Mic **Note:** Radio does not have an IP67 Immersion spec; meets MIL STD810 rain standards. **[Intrinsically Safe Approved Accessory]**	84.53	112.70
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics **[Intrinsically Safe Approved Accessory]**	47.03	62.70
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Approved Accessory]**	193.65	258.20
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	140.85	187.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	179.03	238.70
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **[Intrinsically Safe Approved Accessory]**	123.38	164.50
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	377.03	502.70
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	330.15	440.20
SOFTWARE & USB OPTIONS		**EPL**	**LIST**
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).	409.88	546.50
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required	276.00	368.00
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles **Must order L-1812 for factory installation, or L-1813 for field-upgrade option**	12.75	17.00
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series **without ESN**. KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes KPG-97USB software for activating radios. **Note:** - Must order L-1819. - Must purchase KWD-NX2G-10 seperately. - KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order. - KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders. - KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options. - The licenses (KWD-NX2G-10) installed to the KWD-LIC-USB is **NOT** eligible for warranty compensaton.	NC	NC
OPTION MODULES		**EPL**	**LIST**
KCT-48VU	External Vibration Unit **[Intrinsically Safe Approved Accessory]** **Note:** Audio accessories cannot be used when this option installed	72.00	96.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S.	18.60	24.80
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1832 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). [Intrinsically Safe Option]- Must be Kenwood installed for I.S.	717.98	957.30
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1833 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) [Intrinsically Safe Option]- Must be Kenwood installed for I.S.	465.38	620.50

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NX-210G

VHF Digital & FM Analog Portables (w/ Built-In GPS)

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SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 **Note:** Version 4.40 is required to program "G" models	77.48	103.25
KPG-36XM	USB Programming interface cable	134.03	178.70
INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	12.75	17.00
L-1633	NX-210 Programming (with basic TX/RX check)	28.13	37.50
L-1667	Install VGS-1 Voice Guide & Storage Unit in NX-210	18.75	25.00
L-1671	NX-210/410/411 Portable KCT-57MS Installation (for NXDN® / FleetSync®)	15.00	20.00
L-1750	Configure NX-210/210G/410/411 for Intrinsically Safe **Must order an I.S. battery.**	52.50	70.00
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	NC	NC
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00
L-1832	Install KWD-AE30K in NX-210G/410/411 series Portable (Must purchase module separately)	56.25	75.00
L-1833	Install KWD-AE31K in NX-210G/410/411 series Portable (Must purchase module separately)	56.25	75.00

-- IMPORTANT NOTES --

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, 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.

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 JVCKENWOOD USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated JVCKENWOOD USA Corporation employee); shipping/handling by a dealer 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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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
  - Microhpone 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/Unihibit, 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-1201CAK 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:
1. 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	240.23	320.30
NX-1200AVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, Analog	298.28	397.70
NX-1300AUK	UHF (450-520MHz), 5W, 64 CH, Basic, Analog	240.23	320.30
NX-1300AUK2	UHF (450-520 MHz), 5W, 260 CH, LCD & Standard Keypad,Analog	298.28	397.70
NX-1300AUK4	UHF (400-470MHz), 5W, 64 CH, Basic, Analog	240.23	320.30
NX-1300AUK5	UHF (400-470 MHz), 5W, 260 CH, LCD & Standard Keypad, Analog	298.28	397.70
ANTENNAS		***EPL***	***LIST***
KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-27M	UHF whip antenna 440-490 MHz	13.88	18.50
KRA-27M2	UHF whip antenna 470-520 MHz	13.88	18.50
KRA-27M3	UHF whip antenna 400-450 MHz	13.88	18.50

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NX-1200AV/1300AU

VHF/UHF Digital Upgradeable Portable Radios

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KRA-41M	VHF stubby antenna 148-162 MHz	11.63	15.50
KRA-41M2	VHF stubby antenna 162-174 MHz	11.63	15.50
KRA-41M3	VHF stubby antenna 136-150 MHz	11.63	15.50
KRA-42M	UHF stubby antenna 440-490 MHz	11.63	15.50
KRA-42M2	UHF stubby antenna 470-520 MHz	11.63	15.50
KRA-42M3	UHF stubby antenna 403-430 MHz	11.63	15.50
KRA-22M	VHF low profile antenna 148-162 MHz	13.88	18.50
KRA-22M2	VHF low profile antenna 162-174 MHz	13.88	18.50
KRA-22M3	VHF low profile antenna 136-150 MHz	13.88	18.50
KRA-23M	UHF low profile antenna 450-490 MHz	13.88	18.50
KRA-23M2	UHF low profile antenna 470-520 MHz	13.88	18.50
KRA-23M3	UHF low profile antenna 403-430 MHz	13.88	18.50
BATTERIES AND CHARGERS		***EPL***	***LIST***
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	54.98	73.30
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	66.38	88.50
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	31.13	41.50
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	26.63	35.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	30.98	41.30
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.	176.78	235.70
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	30.98	41.30
CARRYING ACCESSORIES		***EPL***	***LIST***
KBH-10	Spring action belt clip	6.98	9.30
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.28	29.70
KLH-187	Nylon case for NX-1200/1300 srs	12.38	16.50
MICROPHONES & AUDIO ACCESSORIES		***EPL***	***LIST***
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	72.75	97.00
KMC-21A	Compact speaker microphone	43.50	58.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	47.03	62.70
KHS-7	Single muff headset w/boom mic	72.00	96.00
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.	93.90	125.20
KHS-8BL	Two-Wire palm mic w/earphone (black)	92.63	123.50
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	149.63	199.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	330.15	440.20
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	335.78	447.70
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	47.85	63.80
KHS-26	Clip Mic w/earphone	25.28	33.70
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	22.13	29.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	27.00	36.00

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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	31.50	42.00
KWD-1202TDK	License Key for NXDN Type-D Trunking **Note:** Requires KWD-1200CAK (NXDN Conventional) enabled before applying NXDN Type-D Trunking license.	7.50	10.00
KWD-1300CAK	License Key for DMR Tier2 Conventional Upgrade	31.50	42.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption **Note:** ARC4 Enhanced Encryption is avaialble only in DMR mode.	25.50	34.00
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 transmition of Remote Control commands.	25.50	34.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable **Note:** Requires KPT-300LMC for authentication	78.00	104.00
KPG-22UM	USB Programming interface cable	134.03	178.70

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.	90.00	120.00
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.**	28.13	37.50

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NX-1202AV/1302AU

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

- 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
  - Microhpone 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/Unihibit, 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

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

OPTIONAL FEATURES

- NXDN Conventional Upgrade License (**KWD-1200CAK**)
- NXDN Type-D Trunking License (**KWD-1202TDK**) *Requires KWD-1201CAK 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	216.75	289.00
NX-1302AUK	UHF (450-520MHz), 2W, 64 CH, Basic Model, Analog	216.75	289.00
ANTENNAS		**EPL**	**LIST**
KRA-26M	VHF helical antenna 146-162 MHz	13.88	18.50
KRA-26M2	VHF helical antenna 162-174 MHz	13.88	18.50
KRA-26M3	VHF helical antenna 136-150 MHz	13.88	18.50
KRA-27M	UHF whip antenna 440-490 MHz	13.88	18.50
KRA-27M2	UHF whip antenna 470-520 MHz	13.88	18.50
KRA-41M	VHF stubby antenna 148-162 MHz	11.63	15.50
KRA-41M2	VHF stubby antenna 162-174 MHz	11.63	15.50
KRA-41M3	VHF stubby antenna 136-150 MHz	11.63	15.50
KRA-42M	UHF stubby antenna 440-490 MHz	11.63	15.50
KRA-42M2	UHF stubby antenna 470-520 MHz	11.63	15.50

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KRA-22M	VHF low profile antenna 148-162 MHz	11.63	18.50
KRA-22M2	VHF low profile antenna 162-174 MHz	13.88	18.50
KRA-22M3	VHF low profile antenna 136-150 MHz	13.88	18.50
KRA-23M	UHF low profile antenna 450-490 MHz	13.88	18.50
KRA-23M2	UHF low profile antenna 470-520 MHz	13.88	18.50
BATTERIES AND CHARGERS		***EPL***	***LIST***
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	54.98	73.30
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	66.38	88.50
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	31.13	41.50
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	26.63	35.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	30.98	41.30
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.	176.78	235.70
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	30.98	41.30
CARRYING ACCESSORIES		***EPL***	***LIST***
KBH-10	Spring action belt clip	6.98	9.30
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	22.28	29.70
KLH-187	Nylon case for NX-1200/1300 srs	12.38	16.50
MICROPHONES & AUDIO ACCESSORIES		***EPL***	***LIST***
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	72.75	97.00
KMC-21A	Compact speaker microphone	43.50	58.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	47.03	62.70
KHS-7	Single muff headset w/boom mic	72.00	96.00
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.	93.90	125.20
KHS-8BL	Two-Wire palm mic w/earphone (black)	92.63	123.50
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only, NOT compatible with DMR (TDMA) operations.	149.63	199.50
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	330.15	440.20
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	335.78	447.70
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	47.85	63.80
KHS-26	Clip Mic w/earphone	25.28	33.70
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	22.13	29.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	27.00	36.00

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NX-1202AV/1302AU

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	31.50	42.00
KWD-1202TDK	License Key for NXDN Type-D Trunking **Note:** Requires KWD-1200CAK (NXDN Conventional) enabled before applying NXDN Type-D Trunking license.	7.50	10.00
KWD-1300CAK	License Key for DMR Tier2 Conventional Upgrade	31.50	42.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption **Note:** ARC4 Enhanced Encryption is avaialble only in DMR mode.	25.50	34.00
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 transmition of Remote Control commands.	25.50	34.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK Programming Software for NX-1000 series portable **Note:** Requires KPT-300LMC for authentication	78.00	104.00
KPG-22UM	USB Programming interface cable	134.03	178.70

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.	90.00	120.00
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.**	28.13	37.50

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ProTalk

PKT-23

UHF BRS Portable Radios

Table of Contents

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	147.75	197.00
BATTERIES AND CHARGERS		***EPL***	***LIST***

KNB-71L

KSC-44K

KSC-44MLK

KMB-44K
Includes 6 Way Multiple AC Adapter

KNB-71L	Li-Ion battery (Same as supplied with PKT-23K)	23.85	31.80
KSC-44K	Li-Ion Fast rate charger/AC Power Supply (Same as supplied with PKT-23K)	21.08	28.10
KSC-44MLKS	Multi-unit AC Adapter (Connect up to 6 KSC-44K charger cups)	33.90	45.20
KMB-44K	Six unit Charger Cup Mount and Muli-AC Adapter (Charging Cups not included)	141.00	188.00
CARRYING ACCESSORIES		***EPL***	***LIST***
KBH-20M	Belt Clip (Same as supplied with PKT-23K & bulk PKT-23BKP)	7.88	10.50
MICROPHONES & AUDIO ACCESSORIES		***EPL***	***LIST***
KHS-33	Clip Mic w/earphone single pin (only compatible with PKT-23)	25.28	33.70
KHS-34	C-Ring Ear Hanger w/PTT & Mic single pin (only compatible with PKT-23)	31.50	42.00
INSTALLATION / TUNING CHARGES		***EPL***	***LIST***
L-1773	Change channel to other frequencies or program PKT-23	18.75	25.00

-- NOTES --

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

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NEXEDGE®

NX-5700/5800/5900

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

Table of Contents

NX-5000(K-version*) Mobiles include:
- 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 Station[2] (DMR Mode[3])
- 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
- S-Trunking Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- 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 & S-Trunking 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*)

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NEXEDGE® P25 DMR

NX-5700/5800/5900

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

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RADIO		EPL	LIST
NX-5700K	VHF (136-174MHz), 50 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	828.60	1104.80
NX-5800K	UHF (450-520MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	828.60	1104.80
NX-5800K2	UHF (380-470MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	828.60	1104.80
NX-5900K	700 / 800 MHz, 30/35 Watts NXDN Conventional / 800MHz TYPE-C (Gen1/Gen2) Trunking	1056.38	1408.50

RF Deck Only		EPL	LIST
	MUST purchase necessary accessories separately		
NX-5700BK	NX-5700K (50W, 136-174 MHz) **RF Deck Only**	609.00	812.00
NX-5800BK	NX-5800K (45W, 450-520 MHz) **RF Deck Only**	609.00	812.00
NX-5800BK2	NX-5800K2 (45W, 380-470 MHz) **RF Deck Only**	609.00	812.00
NX-5900BK	NX-5900K (35W, 700/800 MHz) **RF Deck Only**	836.85	1115.80

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.

General Radio Features		EPL	LIST
KWD-5000CH	License Key for 4000 Channel Expansion	315.00	420.00
KWD-5001FP	License Key for Front Panel Programming	225.00	300.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	78.75	105.00
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.	26.25	35.00
KWD-5004MR	License Key for Multiple RF Decks Receiver **Note: Required ONLY for the radios with S/N: B5900000 or earlier.**	NC	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.	30.00	40.00

P25 Radio Features		EPL	LIST
KWD-5100CV	License Key for P25 Conventional	431.25	575.00
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV) **Note:** Required for Link Layer Authentication	390.00	520.00
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	300.00	400.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	525.00	700.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	90.00	120.00
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	135.00	180.00
KWD-5107EE	License Key for P25 ARC4 Enhanced Encryption	NC	NC

DMR Features		EPL	LIST
KWD-5300CV	License Key for DMR Tier 2 Conventional & S-Trunking	45.00	60.00
KWD-5301TR	License Key for DMR Tier 3 Trunking (requires KWD-5300CV)	100.50	134.00
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00

Other Accessories, Software, and Services

Refer to NX-5000 series mobile accessory pages

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NEXEDGE®

NX-5700H/5800H

VHF/UHF Digital & FM Analog Mobile Radio

Table of Contents

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)

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)

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

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NEXEDGE®

NX-5700H/5800H

VHF/UHF Digital & FM Analog Mobile Radio

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RF Deck Only		EPL	LIST
	MUST purchase necessary accessories separately		
NX-5700HBF	NX-5700HBF (110W, 136-174 MHz) RF Deck Only, NXDN Conv & P25 Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1706.25	2275.70
NX-5800HBF	NX-5800HBF (100W, 450-520 MHz) RF Deck Only, NXDN Conv & P25 Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1706.25	2275.70
NX-5800HBF2	NX-5800HBF2 (100W, 380-470 MHz) RF Deck Only, NXDN Conv & P25 Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1706.25	2275.70

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	315.00	420.00
KWD-5001FP	License Key for Front Panel Programming	225.00	300.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	78.75	105.00
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.	26.25	35.00
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.	30.00	40.00

P25 Radio Features		EPL	LIST
KWD-5101TR	License Key for P25 Phase 1 Trunking **Note:** Required for Link Layer Authentication	390.00	520.00
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5101TR)	300.00	400.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	525.00	700.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	90.00	120.00
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) DO NOT require KWD-5106DT.	135.00	180.00
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	52.50	70.00

Other Accessories, Software, and Services
Refer to NX-5000 series mobile accessory pages

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NEXEDGE®

P25

NX-5600H

Lowband Digital & FM Analog Mobile Radio

Table of Contents

NX-5000HBF Mobiles include:
- High Power Radio
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

STANDARD

■ 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)

■ 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)

■ 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

RF Deck Only		*EPL*	*LIST*
	MUST purchase necessary accessories separately		
NX-5600HBF3	NX-5600HBF3 (110W, 39-50 MHz) RF Deck Only, Analog & NXDN Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1477.50	1970.00

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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	315.00	420.00
KWD-5001FP	License Key for Front Panel Programming	225.00	300.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	78.75	105.00
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.	26.25	35.00
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.	30.00	40.00

Other Accessories, Software, and Services
Refer to NX-5000 series mobile accessory pages

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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)	44.10	58.80
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	80.03	106.70
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug	41.25	55.00
KES-5A	External speaker, 40W max input **Note:** Requires KCT-72M to connect to Remote Control Head	50.78	67.70
KCT-72M	External Accessory Connection Cable for KCH-19M / KCH-20RM	30.98	41.30
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) **Note:** NOT compatible with TDMA operations	72.75	97.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug)	161.40	215.20
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.	33.15	44.20
KCT-23M3	DC Cable, 35-50W, 23 feet **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	45.60	60.80
KCT-23M2	DC Cable, 75-110W, 10 feet **Note:** For high power mobiles (NX-5600HB/5700HB) only.	33.15	44.20
KCT-23M4	DC Cable, 75/110W, 23 feet **Note**: For high power mobiles (NX-5600HB/5700HB) only.	45.60	60.80
MOUNTING BRACKETS		**EPL**	**LIST**
KMB-33M	Mounting Bracket **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	11.85	15.80
KMB-36	Mounting Bracket **Note**: For high power mobiles (NX-5600HB/5700HB) only.	63.60	84.80
CONTROL HEADS		**EPL**	**LIST**
KCH-19M	Basic Control Panel	151.88	202.50
KRK-14HM	Control Head Interface Kit for KCH-19M	134.03	178.70
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.	506.78	675.70
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.	840.98	1121.30
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.	840.98	1121.30
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.	42.23	56.30
REMOTE & MULTI RF DECK CABLES		**EPL**	**LIST**
KCT-71M2	Remote Control Cable (17 feet)	59.40	79.20
KCT-71M3	Remote Control Cable (25 feet)	67.65	90.20
KCT-71M4	Remote Control Cable (1.6 feet)	38.03	50.70
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.	157.50	210.00
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.	203.03	270.70
KCT-77M2	Remote Control Cable for KCH-21RM (17 feet)	154.73	206.30

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OTHER ACCESSORIES		EPL	LIST
KCT-46	Ignition sense cable **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	11.63	15.50
KCT-18	Ignition sense cable **Note:** For high power mobiles (NX-5600HB/5700HB) only.	16.65	22.20
KAP-2	Horn Alert/P.A. Relay Option **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	53.25	71.00
KCT-72M	External Accessory Connection Cable for KCH-19M / KCH-20RM	30.98	41.30
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	35.48	47.30
KMB-10	Key lock adapter **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	22.28	29.70
KRA-40GM	GPS Antenna	35.25	47.00
KCT-90USB	USB Mobile Cable for SD Card Direct Access Support **Note**: microSD function requires KWD-5002SD license.	78.75	105.00
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	29.03	38.70
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	146.40	195.20
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.	45.60	60.80

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	717.98	957.30
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	465.38	620.50
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)	409.88	546.50
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K **Authentication by KPT-300LMC is required**	276.00	368.00

-- 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, 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.
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 dealer 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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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 Assermly 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 (<u>ONLY</u> 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)

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CONVENIENT REMOTE & MULTI-RF DECK ACCESSORY KITS			
MID POWER / Remote Kit - Single Head / Single RF Deck		**EPL**	**LIST**
5ABM	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM, KCT-71M2, KCT-23M3, KMB-33M	489.08	652.10
5AFM	KMC-65M, KCH-20RM, KRK-15BM, KCT-71M2, KCT-23M3, KMB-33M, KES-5A, KCT-72M	791.70	1055.60
5AHM	KCH-21RM, KRK-15BM, KCT-77M2, KCT-23M3, KMB-33M	1095.38	1460.50
MID POWER / Remote Kit - Dual Head / Single RF Deck		**EPL**	**LIST**
5ABBM	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KRK-15BM, KCT-71M2(x2), KCT-23M3, KMB-33M	878.48	1171.30
5AFFM	KMC-65M(x2), KCH-20RM(x2), KRK-15BM, KCT-71M2(x2), KCT-23M3, KMB-33M, KES-5A(x2), KCT-72M(x2)	1483.73	1978.30
MID POWER / Remote Kit - Single Head / Dual RF Deck		**EPL**	**LIST**
5ABMM	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2)	626.78	835.70
5AFMM	KMC-65M, KCH-20RM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A, KCT-72M	929.40	1239.20
5AHMM	KCH-21RM, KRK-15BM(x2), KCT-77M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2)	1233.08	1644.10
MID POWER / Remote Kit - Single Head / Dual RF Deck, External Speakers per deck		**EPL**	**LIST**
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)	834.83	1113.10
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)	1055.70	1407.60
5AHMM-MR	KCH-21RM, KRK-15BM(x2), KCT-77M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	1441.13	1921.50
MID POWER / Remote Kit - Dual Head / Dual RF Deck		**EPL**	**LIST**
5ABBMM	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2)	1016.18	1354.90
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)	1621.43	2161.90
MID POWER / Remote Kit - Dual Head / Dual RF Deck, External Speakers per deck		**EPL**	**LIST**
5ABBMM-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)	1224.23	1632.30
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)	1665.98	2221.30
HIGH POWER / Single Head Remote Mount Kit		**EPL**	**LIST**
6ABMIG	KMC-65M, KCH-19M, KRK-14HM, KCT-71M2, KCT-23M4, KCT-18, KMB-36	515.25	687.00
6AFMIG	KMC-65M, KCH-20RM, KCT-71M2, KCT-23M4, KCT-72M, KES-5A, KCT-18, KMB-36	817.88	1090.50
6AHMIG	KCH-21RM, KCT-77M2, KCT-23M4, KCT-18, KMB-36	1121.55	1495.40
HIGH POWER / Single Remote Mount / Dual High Power RF Deck		**EPL**	**LIST**
6AFMMIG	KMC-65M, KCH-20RM, KCT-71M2, KCT-23M4(x2), KCT-72M, KES-5A, KCT-18(x2), KMB-36 (x2), KCT-71M4	981.75	1309.00
HIGH POWER / Single Deck Dual Head Remote Mount		**EPL**	**LIST**
6ABBMIG	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KCT-71M2(x2), KCT-23M4, KCT-18, KMB-36	904.65	1206.20
6AFFMIG	KMC-65M(x2), KCH-20RM(x2), KCT-71M2(x2), KCT-23M4, KCT-72M(x2), KES-5A(x2), KCT-18, KMB-36	1509.90	2013.20

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REMOTE & MULTI-RF DECK ASSEMBLY LABORS

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.

		EPL	LIST
L-5029	Factory Assembly & Factory Packing for Single Head Remote Kit and Radio	56.25	75.00
L-5030	Factory Assembly & Factory Packing for Dual Head Remote Kit and Radio	105.00	140.00
L-5031	Factory Assembly & Factory Packing for Single Head Remote Kit and Dual Deck Radio	63.75	85.00
L-5032	Factory Assembly & Factory Packing for Single Head / Dual Deck / Ext. Speakers	112.50	150.00
L-5033	Factory Assembly & Factory Packing for Dual Head and Dual Deck Radio	112.50	150.00
L-5034	Factory Assembly & Factory Packing for Dual Head / Dual Deck / Ext. Speakers	116.25	155.00
L-5035	Factory Assembly & Factory Packing for Single Head Remote and Triple Deck Radio	105.00	140.00
L-5037	Factory Assembly & Factory Packing for Dual Head and Triple Deck Radio	120.00	160.00

INSTALLATION / TUNING SERVICES

		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) **Note:** Must purchase Radio Feature Licenses separately. KPT-300U MC's History Menu will not display the Radio Features activated by Factory	90.00	120.00
L-5006	NX-5000 Mobile Programming (with basic TX/RX check)	28.13	37.50
L-5007	Install KWD-AE30K in NX-5000 series Mobile (Must purchase module separately)	56.25	75.00
L-5008	Install KWD-AE31K in NX-5000 series Mobile (Must purchase module separately)	56.25	75.00
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	18.75	25.00
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	18.75	25.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	37.50	50.00
L-5077	FSFS++ Forest Service Feature Set - Factory Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning **Note:** Must purchase per Radio • 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.	45.00	60.00
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning **Note:** Purchase per application - provided as Custom FW for unlimited radios To PLACE AN ORDER, 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	1050.00	1400.00

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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 Key.	116.25	155.00
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.	99.00	132.00
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.	422.03	562.70
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	176.30	235.70
KPG-115	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	236.25	315.00
KPG-115AUT	KVL-4000 Radio Authentication Cable **Note:** Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	296.40	395.20
KPG-46XM	Full Speed USB Programming interface cable **Note:** This cable with USB mode may be used for SD Card Direct Access.	134.03	178.70
KPG-CLN-RJ45	Mobile-to-Mobile Cloning Cable (RJ45:RJ45), 3m	144.90	193.20
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.	325.50	434.00

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NEXEDGE® DMR

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 ±7.5kHz 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
- S-Trunking Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- 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 & S-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**)

RADIO		*EPL*	*LIST*
NX-3720HGK	VHF (136-174MHz), 50 Watts, 512 CH, 128 Zones	577.28	769.70
NX-3820HGK	UHF (450 - 520MHz), 45 Watts, 512 CH, 128 Zones	577.28	769.70
NX-3820HGK2	UHF (400 - 470MHz), 45 Watts, 512 CH, 128 Zones	577.28	769.70
RADIO TRUNKING PACKAGE		***EPL***	***LIST***
NX-3720HGK-TR	VHF (136-174MHz), 50 Watts, 512 CH, 128 Zones with NXDN Trunking and S-Trunking	596.03	794.70
NX-3820HGK-TR	UHF (450 - 520MHz), 45 Watts, 512 CH, 128 Zones with NXDN Trunking and S-Trunking	596.03	794.70
NX-3820HGK2-TR	UHF (400 - 470MHz), 45 Watts, 512 CH, 128 Zones with NXDN Trunking and S-Trunking	596.03	794.70

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NEXEDGE® DMR

NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile 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-3000CH	License Key for 1000 Channel Expansion	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
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.	26.25	35.00
KWD-3302TR	License Key for DMR Tier 3 Trunking	75.00	100.00
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C, Type-C Gen2 and S-Trunking)	31.28	41.70
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
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.	337.50	450.00
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.	30.00	40.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00

CONTROL HEAD REMOTE KIT		EPL	LIST
KRK-18HM	Interface Kit for a Control Head	122.85	163.80
KRK-19BM	Interface Kit for an RF Deck	30.98	41.30

Note: Remote Contorl Cable must be purchased seperately.

REMOTE CONTROL CABLES		EPL	LIST
KCT-71M2	Remote Control Cable (17 feet)	59.40	79.20
KCT-71M3	Remote Control Cable (25 feet)	67.65	90.20
KCT-71M4	Remote Control Cable (1.6 feet)	38.03	50.70
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.	157.50	210.00
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.	203.03	270.70

MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	24.38	32.50
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	16.65	22.20
KCT-72M	External Accessory Connection Cable for KRK-18HM	30.98	41.30
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	35.48	47.30
KMB-10	Key lock adapter	22.28	29.70
KRA-40GM	GPS Antenna	35.25	47.00

CONTROL STATION INSTALLATION ACCESSORIES	EPL	LIST

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NEXEDGE® DMR

NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

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KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Mobiles (excludes TK-5x10/6110 series). (mobile mounting hardware included)	45.60	60.80
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	146.40	195.20
MICROPHONES AND SPEAKERS		***EPL***	***LIST***
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	44.10	58.80
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	80.03	106.70
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) **Note: NOT compatible with TDMA operations**	72.75	97.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) **Note: Compatible with FDMA (analog / NXDN) and TDMA (DMR) Operation.**	161.40	215.20
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug	41.25	55.00
KES-5A	External speaker, 40W max input **Note:** requires KCT-60M installed.	50.78	67.70
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*	116.25	155.00
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)	409.88	546.50
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	276.00	368.00
KPG-46XM	Full Speed USB Programming interface cable **Note:** This cable with USB mode may be used for SD Card Direct Access.	134.03	178.70
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.	90.00	120.00
L-5053	NX-3720HG/3820HG/3920G/3921G Programming (with basic TX/RX check)	28.13	37.50
INSTALLATION / TUNING CHARGES, CON'T		***EPL***	***LIST***
L-5054	Installation for NX-3000 Portable/Moble AES	18.75	25.00

-- 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.

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NEXEDGE® DMR

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 ±6.25kHz ranges) are not allowed ;
- 854.4000
- 859.2000
- 864.0000
- 868.8000
- 936.0000
- 940.8000

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
- S-Trunking Option
- DMR Tier 3 Trunking Option
- DMR Auto Slot Select (DASS)
- AMBE+2™VOCODER
- 12.5 kHz Channels
- 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**)
- DMR Tier 2 Conventional & S-Trunking (**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	753.90	1005.20
NX-3921GK	900MHz, 15 Watts, 512 CH, 128 Zones, NXDN Conv & Trunking	753.90	1005.20

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.

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	120.00	160.00

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NEXEDGE® DMR

NX-3920G/3921G

800/900MHz Digital & FM Analog Mobile Radios

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KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
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.	26.25	35.00
KWD-3301CV	License Key for DMR Tier 2 Conventional & S-Trunking	31.50	42.00
KWD-3302TR	License Key for DMR Tier 3 Trunking (Requires KWD-3301CV)	75.00	100.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
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.	337.50	450.00
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.	30.00	40.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00

CONTROL HEAD REMOTE KIT		***EPL***	***LIST***
KRK-18HM	Interface Kit for a Control Head	122.85	163.80
KRK-19BM	Interface Kit for an RF Deck	30.98	41.30

Note: Remote Contorl Cable must be purchased seperately.

REMOTE CONTROL CABLES		***EPL***	***LIST***
KCT-71M2	Remote Control Cable (17 feet)	59.40	79.20
KCT-71M3	Remote Control Cable (25 feet)	67.65	90.20
KCT-71M4	Remote Control Cable (1.6 feet)	38.03	50.70
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.	157.50	210.00
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.	203.03	270.70

MOBILE INSTALLATION ACCESSORIES		***EPL***	***LIST***
KCT-60M	DB15-to-15pin Molex Adapter Cable	24.38	32.50
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	16.65	22.20
KCT-72M	External Accessory Connection Cable for KRK-18HM	30.98	41.30
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	35.48	47.30
KMB-10	Key lock adapter	22.28	29.70
KRA-40GM	GPS Antenna	35.25	47.00

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)	45.60	60.80
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	146.40	195.20

MICROPHONES AND SPEAKERS		***EPL***	***LIST***
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	44.10	58.80
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	80.03	106.70
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) **Note: NOT compatible with TDMA operations**	72.75	97.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) **Note: Compatible with FDMA (analog / NXDN) and TDMA (DMR) Operation.**	161.40	215.20
KES-8K	External speaker, 10W, 4-Ohm, 3.5mm phone plug	41.25	55.00
KES-5A	External speaker, 40W max input **Note:** requires KCT-60M installed.	50.78	67.70

SERVICE RELATED ACCESSORIES		***EPL***	***LIST***

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NEXEDGE® DMR

NX-3920G/3921G

800/900MHz Digital & FM Analog Mobile Radios

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KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile ***Note:*** *Requires KPT-300LMC for authentication*	115.25	155.00
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)	409.88	546.50
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	276.00	368.00
KPG-46XM	Full Speed USB Programming interface cable **Note:** This cable with USB mode may be used for SD Card Direct Access.	134.03	178.70
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.	90.00	120.00
L-5053	NX-3720HG/3820HG/3920G/3921G Programming (with basic TX/RX check)	28.13	37.50
L-5054	Installation for NX-3000 Portable/Moble AES	18.75	25.00

-- 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.

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NEXEDGE®

NXR-710/810

NXDN VHF/UHF Repeaters

Table of Contents

All NXR-710/810 series include:
- Handle
- Blade Type Fuse (15A)
- Power cable (12ft, no fuse)
- 15pin lead wire with connector
- Front glass
- Screws
- Instruction Manual
- Premium Warranty: 2 Years*

GENERAL FEATURES

■ GENERAL FEATURES

- 50 W (136-174 MHz) Models
- 40 W (400-470 MHz) Models
- 40 W (450-520 MHz) Models
- NXDN & Analog Mode
- 50 / 40W @ 50% Duty
- 25 / 25W @ 100% Duty
- AMBE+2™ VOCODER
- Repeater Operation
- Duplex / Simplex Base Operation
- 30 CH Scanning Base
- Two-Digit LED Display
- 6 Lighted Programmable Function keys
- Front Panel Speaker
- 4W External Speaker Audio
- Programmable AUX I/O's
- Power Supply Voltage Monitor
- RF Power Down Detect
- DTMF AUX Output Control
- DTMF AUX Input Monitoring
- Built-in Scrambler
- NXDN® Scrambler

■ DIGITAL – NXDN® REPEATER

- NXDN® Conventional
- NXDN® Conventional IP Network
  *Requires KTI-3 Network Interface Unit
- 6.25 & 12.5 kHz Channels
- 16 RAN Repeater Control Built-in
- 1,000 GIDs Per Site
- 1,000 UIDs Per Site
- Over-the-Air Alias
- Over-the-Air Programming (Repeat only)
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- Voting Option

■ ANALOG REPEATER

- VHF: 25 & 12.5 kHz Channels
- UHF: 25 & 12.5 kHz Channels
- 16 QT/DQT Repeater Control Built-in
- Hang Timer / Time Out Timer / CW ID
- External FM Controller Interface

REPEATER		*EPL*	*LIST*
NXR-710K	Repeater, Analog/NXDN, VHF, 136-174MHz, 5-50W Default TX power setting 25W - 50W	1,781.25	2,375.20
NXR-810K	Repeater, Analog/NXDN, UHF, 450-520MHz, 5-40W Default TX power setting 25W - 40W	1,781.25	2,375.20
NXR-810K2	Repeater, Analog/NXDN, UHF, 400-470MHz, 5-40W Default TX power setting 25W - 40W	1,781.25	2,375.20
Field Programming Unit (FPU)		***EPL***	***LIST***
KPG-129DNK	Repeater Programming Software	77.44	103.25
SERVICE RELATED ACCESSORIES		***EPL***	***LIST***
KPG-46XM	Programming Cable	134.03	178.70
System Accessories and Optional Features			
Complete set of accessories and software licensed features available from EFJohnson Technologies			

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TKR-D710/D810

DMR VHF/UHF Repeaters

Table of Contents

All TKR-D710/D810 series include:
- Handle
- Blade Type Fuse (15A)
- Power cable (12ft, no fuse)
- 15pin lead wire with connector
- Front glass
- Screws
- Instruction Manual
- Premium Warranty: 2 Years*

IMPORTANT:
Control I/O Pins of TX Data Input/TX Audio Input/RX Data Output/RX Audio Output/External Monitor Switch/External PTT Switch are NOT available for TKR-D series

GENERAL FEATURES

GENERAL FEATURES

- 50 W (136-174 MHz) Models
- 40 W (400-470 MHz) Models
- 40 W (450-520 MHz) Models
- DMR & Analog Mode
- AMBE+2™ VOCODER
- Repeater Operation
- Two-Digit LED Display
- 6 Lighted Programmable Function keys
- Programmable AUX I/O's
- RF Power Down Detect
- Analog DTMF AUX Output Control
- Analog DTMF AUX Input Monitoring
- DMR AIS IP Console Interface
  *Requires KTI-5 Network Interface Unit

DIGITAL – DMR REPEATER

- DMR Tier 2 Conventional
- DMR Conventional IP Network
  *Requires KTI-5 Network Interface Unit
- DMR Auto Slot Select (DASS) ready
- 12.5kHz channel
- 1 Color code Repeater Control Built-in
- Over-the-Air Alias
- Over-the-Air Programming (Repeat only)
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- Call Interrupt
- ARC4 Enhanced Encryption (Repeat only)
- AES/DES Encryption (Repeat only)

ANALOG REPEATER

- VHF: 25 & 12.5 kHz Channels
- UHF: 25 & 12.5 kHz Channels
- 16 QT/DQT Repeater Control Built-in
- Hang Timer / Time Out Timer / CW ID

REPEATER		EPL	LIST
TKR-D710K	Repeater, Analog/DMR, VHF, 136-174MHz, 5-50W Default TX power setting 25W - 50W	1,843.50	2,458.00
TKR-D810K	Repeater, Analog/DMR, UHF, 450-520MHz, 5-40W Default TX power setting 25W - 40W	1,843.50	2,458.00
TKR-D810K2	Repeater, Analog/DMR, UHF, 400-470MHz, 5-40W Default TX power setting 25W - 40W	1,843.50	2,458.00
Field Programming Unit (FPU)		***EPL***	***LIST***
KPG-174DNK	Repeater Programming Software	77.44	103.25
SERVICE RELATED ACCESSORIES		***EPL***	***LIST***
KPG-46XM	Programming Cable	134.03	178.70
System Accessories and Optional Features			
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