

MSWIN Compatible P25 Phase 2 TDMA



Mississippi EPL 3744 Price Pages



MSWIN Compatible P25 Phase 2 TDMA Price Guide



Effective Date: OCT 2023

MSWIN Compatible P25 Phase 2 TDMA

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MSWIN Compatible P25 Phase 2 TDMA

Programming Installation	
Cost	Cost

Radio Series			
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PORTABLES			
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<i>NX-5200/5300</i>		\$75.00	N/A
<i>NX-5400 MSWIN TDMA</i>		\$75.00	N/A

MOBILES			
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<i>NX-5700/5800/5900 MSWIN TDMA</i>	Single Band/Dash Mount	\$75.00	\$75.00
<i>NX-5700/5800/5900 MSWIN TDMA</i>	Single Band/Single Head Remote	\$75.00	\$125.00
<i>NX-5700/5800/5900 MSWIN TDMA</i>	Single Band/Dual Head Remote	\$75.00	\$175.00
<i>NX-5700/5800/5900 MSWIN TDMA</i>	Dual Deck/Single Head Single Speaker Remote	\$125.00	\$200.00
<i>NX-5700/5800/5900 MSWIN TDMA</i>	Dual Deck/Single Head Dual Speaker Remote	\$125.00	\$200.00
<i>NX-5700/5800/5900 MSWIN TDMA</i>	Dual Deck/Dual Head Single Speaker Remote	\$125.00	\$225.00
<i>NX-5700/5800/5900 MSWIN TDMA</i>	Dual Deck/Dual Head Dual Speaker Remote	\$125.00	\$225.00
<i>NX-5700/5800/5900 MSWIN TDMA</i>	Triple Deck/Single Head Single Speaker Remote	\$175.00	\$250.00
<i>NX-5700/5800/5900 MSWIN TDMA</i>	Triple Deck/Single Head Triple Speaker Remote	\$175.00	\$250.00
<i>NX-5700/5800/5900 MSWIN TDMA</i>	Triple Deck/Dual Head Single Speaker Remote	\$175.00	\$250.00
<i>NX-5700/5800/5900 MSWIN TDMA</i>	Triple Deck/Dual Head Triple Speaker Remote	\$175.00	\$275.00

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NX-5200/5300

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VHF/UHF Digital & FM Analog Portable Radios



<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 32°F (0°C), KENWOOD carrying cases must be used.

STANDARD

GENERAL FEATURES

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

DIGITAL – P25 MODE

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

DIGITAL – NXDN® MODE

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

DIGITAL – DMR MODE

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

ANALOG MODE

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

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

OPTIONAL FEATURES

GENERAL FEATURES

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

DIGITAL – P25 MODE

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

DIGITAL – DMR MODE

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

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	<h1 style="margin: 0;">NX-5200/5300</h1> <p style="margin: 0;">VHF/UHF Digital & FM Analog Portable Radios</p>	Table of Contents
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RADIO	EPL	LIST
<i>Standard Key Models</i>		
NX-5200K2 VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
NX-5300K2 UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
NX-5300K5 UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20

Full Key Models	EPL	LIST
NX-5200K3 VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00
NX-5300K3 UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00
NX-5300K6 UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00

CSA US APPROVED MODELS	EPL	LIST
Must Order L-5039 & "KNB-LS5CU or KNB-LS7M" Intrinsically Safe Battery per radio		
<i>*Note: microSD card is not allowed to use as Intrinsically Safe Option.</i>		

NX-5200-ISCK2 VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
NX-5200-ISCK3 VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00
NX-5300-ISCK2 UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
NX-5300-ISCK3 UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00
NX-5300-ISCK5 UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	753.15	1004.20
NX-5300-ISCK6 UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	799.50	1066.00

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

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

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


Form is available on MyTools website > Product > Forms

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


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

General Radio Features	EPL	LIST
KWD-5000CH License Key for 4000 Channel Expansion	340.27	453.70

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		<h1 style="margin: 0;">NX-5200/5300</h1> <p style="margin: 0;">VHF/UHF Digital & FM Analog Portable Radios</p>		Table of Contents
KWD-5001FP	License Key for Front Panel Programming	243.00	324.00	
KWD-5002SD	License Key for microSD Memory Card Slot Activation	84.97	113.30	
KWD-5003BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80	
KWD-5007RC	License Key for Remote Control by Subscriber Units Note: - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	32.40	43.20	
P25 Radio Features		EPL	LIST	
KWD-5100CV	License Key for P25 Conventional	465.75	621.00	
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV) Note: Required for Link Layer Authentication	421.27	561.70	
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	324.00	432.00	
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	567.00	756.00	
KWD-5105VT	License Key for P25 Conventional Voting Scan	97.27	129.70	
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	145.72	194.30	
KWD-5107EE	License Key for P25 ARC4 Enhanced Encryption	NC	NC	
DMR Radio Features		EPL	LIST	
KWD-5300CV	License Key for DMR Tier 2 Conventional	48.60	64.80	
KWD-5301TR	License Key for DMR Tier 3 Trunking (requires KWD-5300CV)	108.00	144.00	
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20	
ANTENNAS		EPL	LIST	
KRA-26M	VHF helical antenna 146-162 MHz	15.00	20.00	
KRA-26M2	VHF helical antenna 162-174 MHz	15.00	20.00	
KRA-26M3	VHF helical antenna 136-150 MHz	15.00	20.00	
KRA-27M	UHF whip antenna 440-490 MHz	15.00	20.00	
KRA-27M2	UHF whip antenna 470-520 MHz	15.00	20.00	
KRA-27M3	UHF whip antenna 400-450 MHz	15.00	20.00	
KRA-22M	VHF low-profile helical antenna 148-162 MHz	15.00	20.00	
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	15.00	20.00	
KRA-22M3	VHF low-profile helical antenna 136-150 MHz	15.00	20.00	
KRA-23M	UHF low-profile helical antenna 450-490 MHz	15.00	20.00	
KRA-23M2	UHF low-profile helical antenna 470-520 MHz	15.00	20.00	
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	15.00	20.00	
KRA-41M	VHF stubby antenna 148-162 MHz	12.52	16.70	
KRA-41M2	VHF stubby antenna 162-174 MHz	12.52	16.70	
KRA-41M3	VHF stubby antenna 136-150 MHz	12.52	16.70	
KRA-42M	UHF stubby antenna 440-490 MHz	12.52	16.70	
KRA-42M2	UHF stubby antenna 470-520 MHz	12.52	16.70	
KRA-42M3	UHF stubby antenna 403-430 MHz	12.52	16.70	
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	31.35	41.80	
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	38.40	51.20	
KRA-29	Broad Band UHF Whip Antenna 380-430 MHz	33.60	44.80	
BATTERIES AND CHARGERS		EPL	LIST	
*All of batteries listed below except KBP-8M2 is compatible with IP67/68 when it is used with a radio.				
KNB-L1M	Li-ion 2000mAh (Compact Slim)	108.00	144.00	
KNB-L2M	Li-ion 2600mAh (Standard)	126.75	169.00	
KNB-L3M	Li-ion 3400mAh (High Capacity)	164.02	218.70	

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KNB-LS5CU	CSA US Intrinsicly 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-52BK, KSC-326K, KSC-326AK or KSC-526K. [Intrinsicly Safe Option1]	190.87	254.50	
KNB-LS7M	CSA US Intrinsicly Safe Battery Li-ion 3800mAh Note: Due to the I.S. circuitry on the KNB-LS7M, the cells may lose charge during storage. To prevent loss of capacity during storage, charge the battery for 10 minutes at least every 4 months with the KSC-32, KSC-Y32K, KSC-52BK, KSC-326K, KSC-326AK or KSC-526K. [Intrinsicly Safe Option1]	274.50	366.00	
KBP-8M2	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. Note: The color of the case is International Orange.	107.45	143.20	
Single Unit Desk Chargers				
KSC-Y32K	Rapid rate single unit charger (Long-Life Charge Mode capable with KAS-12 Software)	116.40	155.20	
KSC-52BK	Rapid rate single unit charger	72.97	97.30	
6 Unit Chargers				
KSC-526K	Rapid rate 6-unit charger CEC Compliant Note: Requires charging pocket KSC-52PBW and/or KSC-52PCW	617.85	823.80	
KSC-52PBW	Charging pocket for KSC-526K compatible with NX-5000 series, NX-205/305 and NX-210	8.10	10.80	
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK Note: NOT compatible with KSC-526K	54.60	72.80	

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Vehicle Chargers/Adapters			
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter) Note: NOT compatible with KSC-52BK	144.75	193.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	274.50	366.00
BATTERY READER		EPL	LIST
KAS-12K	License Key for KAS-12 Battery Reader Software for KNB-L1/2/3/N4/LS5/LS7 & KSC-Y32 (Windows® Vista/7/8/8.1/10) Note: Requires KPT-300LMC for authentication	68.85	91.80
KAS-12PRO	Add Battery Management with Database Requires KAS-12K base license for upgrade Note: Requires KPT-300LMC for authentication	283.50	378.00
CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	13.35	17.80
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	20.10	26.80
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case	33.60	44.80
KLH-200K3	Heavy duty leather carrying case for NX-5000 series with KNB-L1/L2/L3/LS5CU (for both keypad models)	40.35	53.80
KLH-201K3	Nylon carrying case for NX-5000-series with KNB-L1/L2/L3/LS5CU (for both keypad models)	24.00	32.00
SPECIAL COLOR HOUSING		EPL	LIST
KWD-YH-5000	Yellow Housing Kit for NX-5000 series Portables (Standard Key Model K2/K5 Only) Order L-5024 for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood.) Note: If you order only housing and perform EPL Installation, IP67/68 Warranty Claim will not be eligible.	36.60	48.80
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
*IP grades for microphones and audio accessories are decided by each item.			
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with Active Noise Reduction Note: IP68 is available only when used with NX-5000 series portable [Intrinsically Safe Option]	118.72	158.30
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic [Intrinsically Safe Option]	91.27	121.70
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector Note: 5/16" Coax cable hex wrench included (antenna is not included). [Intrinsically Safe Option]	337.50	450.00
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics [Intrinsically Safe Option]	50.77	67.70
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic [Intrinsically Safe Option]	50.77	67.70
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) [Intrinsically Safe Option]	209.10	278.80
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) [Intrinsically Safe Option]	152.70	202.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) Note: NOT compatible with TDMA operations [Intrinsically Safe Option]	193.35	257.80
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT Note: NOT compatible with TDMA operations [Intrinsically Safe Option]	133.27	177.70
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT [Intrinsically Safe Option]	407.10	542.80
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT [Intrinsically Safe Option]	356.47	475.30

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VHF/UHF Digital & FM Analog Portable Radios

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 / Intrinsicly Safe Option must be installed by Kenwood. If you order only a Module and perform EPL Installation, IP67/68 Warranty Claim will not be eligible.) KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). Note: Required for Link Layer Authentication <i>Intrinsicly Safe Option. Must be Kenwood installed for L.S.</i>	775.50	1034.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-5004 if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsicly Safe Option must be installed by Kenwood. If you order only a Module and perform EPL Installation, IP67/68 Warranty Claim will not be eligible.) Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Note: Required for Link Layer Authentication <i>Intrinsicly Safe Option. Must be Kenwood installed for L.S.</i>	502.65	670.20
KCT-48VU	External Vibration Unit Note: Audio accessories cannot be used when this option installed. KCT-48VU does not support the P25 digital mode calling or paging features [Intrinsicly Safe Option]	77.77	103.70
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	442.65	590.20
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required	297.60	396.80
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D1NK	License Key for KPG-D1NK Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1/10) Note: Requires KPT-300LMC for authentication P25 Trunked Programming Capability (licensed by either 1 or 2 below): 1. USB Key Type: Advanced System Key (ASK)- See KWD-ASK-MK and AK • For NX-5000 series radios. • KWD-ASK-MK (Master Key): For trunked system operator (SYSOP). Required for activating KWD-ASK-AK Access keys. Securely embeds/encrypts the HSID. • KWD-ASK-AK (Access Key): For EPLs/contractors. Activated by KWD-ASK-MK Master Key. • KPG-D1NK supports up to 16 KWD-ASK-AK Access Keys (16 trunked networks). 2. Software Key Type: System Key File (SKF)- See L-5005 • For NX-5000 series radios. • 3-digit HEX System ID (HSID) with verifiable written authorization required from SYSOP. • Utilized by both SYSOPs and EPLs/Contractors. But EPLs/Contractors must be permitted from SYSOP to order and use SKF. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • The *.SKF securely embeds/encrypts the HSID.	125.47	167.30
KPG-36XM	Full Speed USB Programming interface cable Note: This cable with USB mode may used for SD Card Direct Access.	144.75	193.00
KPG-93	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	255.15	340.20
KPG-93AUT	KVL-4000 Radio Authentication Cable Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	320.10	426.80
KWD-ASK-AK	Access Key for KPG-D1NK P25 trunked programming Note: Enables P25 Trunked system programming privileges in a KPG-D1NK. • For NX-5000 series only. • Must be activated by trunked system operator (SYSOP) with KWD-ASK-MK Master Key. • Must have KPG-D1NK. • Configurable expiration period of KWD-ASK-AK set by KWD-ASK-MK is available for 3 years for built in battery. USB Key must be replaced since the expiration set up dose not work after 3 years.	190.87	254.50

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KWD-ASK-MK	Master Key for activating KWD-ASK-AK Access Keys - Restricted Purchase Requirements - Notes: <ul style="list-style-type: none"> • For NX-5000 series only. • Sold to trunked system operator (SYSOP) or SYSOP authorized entities only • Must have KPG-D1NK. • SYSOP must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Purchase KWD-ASK-AK Access Keys if needed. 	455.77	607.70
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OPTIONAL CABLE FOR FOREST/FIRE SERVICES FEATURE SET (FSFS) OPTION

KPG-CLN-14P	Portable-to-Portable Cloning Cable (14P:14P), 1m	205.72	274.30
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INSTALLATION / TUNING CHARGES	EPL	LIST
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L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28	129.70
L-5002	NX-5200/5300/5400 Programming (with basic TX/RX check) Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.	30.38	40.50
L-5003	Install KWD-AE30K in NX-5000 series Portable (Must purchase module separately)	60.75	81.00
L-5004	Install KWD-AE31K in NX-5000 series Portable (Must purchase module separately)	60.75	81.00
L-5005	KPG-D1NK System Key File (SKF) Note: Enables P25 Trunked system programming privileges in a KPG-D1NK. - Restricted Purchase Requirements - <ul style="list-style-type: none"> • Trunked system operator (SYSOP) must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Must have KPG-D1NK. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • Non-SYSOP entities ordering L-5005 must provide verifiable written authorization from SYSOP to receive an *.SKF file. • 3-digit HEX HSID are securely encrypted & embedded in the *.SKF file. 	106.65	142.20
L-5024	Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	21.60	28.80
L-5039	Configure NX-5200/5300/5400 for CSA US Intrinsically Safe Must order KNB-LS5CU or KNB-LS7M I.S. battery	27.00	36.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	40.50	54.00
L-5077	FSFS++ Forest Service Feature Set - Factory Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning Note: Must purchase per Radio <ul style="list-style-type: none"> • This feature set is provided by custom firmware based on V4.21.00 firmware. • Feature set is applicable for analog conventional / P25 conventional modes only. • Feature set does not support mobile multi-deck configuration. • Feature set will not work with any other firmware options or customized firmware. • Custom firmware is not eligible for warranty compensation. 	48.60	64.80
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning Note: Purchase per application - 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). <ul style="list-style-type: none"> • This feature set is provided as custom firmware based on V4.21.00 firmware. • Feature set is applicable for analog conventional / P25 conventional modes only. • Feature set does not support Mobile multi-deck configuration. • Feature set will not work with any other firmware options or customized firmware. • Custom firmware is not eligible for warranty compensation. 	1134.00	1512.00

MSWIN COMPATIBLE P25 PHASE 2 TDMA



NX-5200/5300

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VHF/UHF Digital & FM Analog Portable Radios

-- IMPORTANT NOTES regarding ENCRYPTION MODULES--

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

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

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

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

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

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

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

MSWIN COMPATIBLE P25 PHASE 2 TDMA

NEXEDGE®



NX-5400

Table of Contents

700/800MHz Digital & FM Analog Portable Radio



<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 ± 10 kHz 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 32°F (0°C), 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

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

OPTIONAL FEATURES

■ GENERAL FEATURES

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

■ DIGITAL – P25 MODE

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

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional Features (KWD-5300CV)

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

■ ANALOG MODE

- NPSPAC Channels
- Conventional Zones
- LTR® Zones
- FleetSync®/I: 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)

MSWIN COMPATIBLE P25 PHASE 2 TDMA

NEXEDGE®
P25 DMR

NX-5400
700/800MHz Digital & FM Analog Portable Radio

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- DMR Tier 3 Trunking Features ([KWD-5300CV](#) & [KWD-5301TR](#))

MSWIN COMPATIBLE P25 PHASE 2 TDMA

	NX-5400	Table of Contents
	700/800MHz Digital & FM Analog Portable Radio	

RADIO		EPL	LIST
NX-5400K2	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Standard Key Model	753.15	1004.20
NX-5400K3	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Full Key Model	799.50	1066.00

CSA US APPROVED MODELS		EPL	LIST
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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	753.15	1004.20
NX-5400-ISCK3	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Full Key Model	799.50	1066.00

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

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

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

Form is available on MyTools website > Product > Forms

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

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

General Radio Features		EPL	LIST
KWD-5000CH	License Key for 4000 Channel Expansion	340.27	453.70
KWD-5001FP	License Key for Front Panel Programming	243.00	324.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	84.97	113.30
KWD-5003BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80
KWD-5007RC	License Key for Remote Control by Subscriber Units Note: - P25 Mode is <u>NOT</u> available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does <u>NOT</u> require the license.	32.40	43.20

P25 Radio Features		EPL	LIST
KWD-5100CV	License Key for P25 Conventional	465.75	621.00
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV) Note: Required for Link Layer Authentication	421.27	561.70
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	324.00	432.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	567.00	756.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	97.27	129.70
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	145.72	194.30
KWD-5107EE	License Key for P25 ARC4 Enhanced Encryption	NC	NC

DMR Radio Features		EPL	LIST
KWD-5300CV	License Key for DMR Tier 2 Conventional	48.60	64.80
KWD-5301TR	License Key for DMR Tier 3 Trunking (requires KWD-5300CV)	108.00	144.00
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20

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

MSWIN COMPATIBLE P25 PHASE 2 TDMA

	NX-5400	Table of Contents
	700/800MHz Digital & FM Analog Portable Radio	

BATTERIES AND CHARGERS		EPL	LIST
*All of batteries listed below except KBP-8M2 is compatible with IP67/68 when it is used with a radio.			
KNB-L1M	Li-ion 2000mAh (Compact Slim)	108.00	144.00
KNB-L2M	Li-ion 2600mAh (Standard)	126.75	169.00
KNB-L3M	Li-ion 3400mAh (High Capacity)	164.02	218.70
KNB-LS5CU	CSA US Intrinsically Safe Battery Li-ion 2000mAh Note: Due to the I.S. circuitry on the KNB-LS5CU, the cells may lose charge during storage. To prevent loss of capacity during storage, charge the battery for 10 minutes at least every 4 months with the KSC-32, KSC-Y32K, KSC-52BK, KSC-326K, KSC-326AK or KSC-526K. [Intrinsically Safe Option]	197.87	254.50
KNB-LS7M	CSA US Intrinsically Safe Battery Li-ion 3800mAh Note: Due to the I.S. circuitry on the KNB-LS7M, the cells may lose charge during storage. To prevent loss of capacity during storage, charge the battery for 10 minutes at least every 4 months with the KSC-32, KSC-Y32K, KSC-52BK, KSC-326K, KSC-326AK or KSC-526K. [Intrinsically Safe Option]	274.50	366.00
KBP-8M2	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. Note: The color of the case is International Orange.	107.45	143.20
Single Unit Desk Chargers			
KSC-Y32K	Rapid rate single unit charger (Long-Life Charge Mode capable with KAS-12 Software)	116.40	155.20
KSC-52BK	Rapid rate single unit charger	72.97	97.30
6 Unit Chargers			
KSC-526K	Rapid rate 6-unit charger CEC Compliant Note: Requires charging pocket KSC-52PBW and/or KSC-52PCW	617.85	823.80
KSC-52PBW	Charging pocket for KSC-526K compatible with NX-5000 series, NX-205/305 and NX-210	8.10	10.80
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK Note: NOT compatible with KSC-526K	54.60	72.80
Vehicle Chargers/Adapters			
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter) Note: NOT compatible with KSC-52BK	144.75	193.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	274.50	366.00
BATTERY READER		EPL	LIST
KAS-12K	License Key for KAS-12 Battery Reader Software for KNB-L1/2/3/N4/LS5/LS7 & KSC-Y32 (Windows® Vista/7/8/8.1/10) Note: Requires KPT-300LMC for authentication	68.85	91.80
KAS-12PRO	Add Battery Management with Database Requires KAS-12K base license for upgrade Note: Requires KPT-300LMC for authentication	283.50	378.00
CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	13.35	17.80
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	24.00	32.00
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	20.10	26.80
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case	33.60	44.80
KLH-200K3	Heavy duty leather carrying case for NX-5000 series with KNB-L1/L2/L3/LS5CU (for both keypad models)	40.35	53.80
KLH-201K3	Nylon carrying case for NX-5000-series with KNB-L1/L2/L3/LS5CU (for both keypad models)	24.00	32.00

MSWIN COMPATIBLE P25 PHASE 2 TDMA

	<h1 style="margin: 0;">NX-5400</h1> <h2 style="margin: 0;">700/800MHz Digital & FM Analog Portable Radio</h2>	Table of Contents
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SPECIAL COLOR HOUSING		EPL	LIST
KWD-YH-5000	Yellow Housing Kit for NX-5000 series Portables (Standard Key Model K2/K5 Only) Order L-5024 for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood.) Note: If you order only housing and perform EPL Installation, IP67/68 Warranty Claim will not be eligible.	36.60	48.80
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
*IP grades for microphones and audio accessories are decided by each item.			
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with Active Noise Reduction Note: IP68 is available only when used with NX-5000 series portable [Intrinsically Safe Option]	118.72	158.30
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic [Intrinsically Safe Option]	91.27	121.70
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector Note: 5/16" Coax cable hex wrench included (antenna is not included). [Intrinsically Safe Option]	337.50	450.00
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics [Intrinsically Safe Option]	50.77	67.70
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic [Intrinsically Safe Option]	50.77	67.70
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) [Intrinsically Safe Option]	209.10	278.80
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) [Intrinsically Safe Option]	152.10	202.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) Note: NOT compatible with TDMA operations [Intrinsically Safe Option]	193.35	257.80
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT Note: NOT compatible with TDMA operations [Intrinsically Safe Option]	133.27	177.70
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT [Intrinsically Safe Option]	407.10	542.80
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT [Intrinsically Safe Option]	356.47	475.30
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 EPL Installation, IP67/68 Warranty Claim will not be eligible.) KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). Note: Required for Link Layer Authentication [Intrinsically Safe Option]. Must be Kenwood installed for U.S.	775.50	1034.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-5004 if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform EPL Installation, IP67/68 Warranty Claim will not be eligible.) Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Note: Required for Link Layer Authentication [Intrinsically Safe Option]. Must be Kenwood installed for U.S.	502.65	670.20
KCT-48VU	External Vibration Unit Note: Audio accessories cannot be used when this option installed. KCT-48VU does not support the P25 digital mode calling or paging features [Intrinsically Safe Option]	77.77	103.70
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)	442.65	590.20
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required	297.60	396.80

MSWIN COMPATIBLE P25 PHASE 2 TDMA

	<h1 style="margin: 0;">NX-5400</h1> <h2 style="margin: 0;">700/800MHz Digital & FM Analog Portable Radio</h2>	Table of Contents
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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/7/8/10) Note: Requires KPT-300LMC for authentication	125.47	167.30
<hr/> P25 Trunked Programming Capability (licensed by either 1 or 2 below): <ol style="list-style-type: none"> USB Key Type: Advanced System Key (ASK)- See KWD-ASK-MK and AK <ul style="list-style-type: none"> For NX-5000 series radios. KWD-ASK-MK (Master Key): For trunked system operator (SYSOP). Required for activating KWD-ASK-AK Access keys. Securely embeds/encrypts the HSID. KWD-ASK-AK (Access Key): For EPLs/contractors. Activated by KWD-ASK-MK Master Key. KPG-D1NK supports up to 16 KWD-ASK-AK Access Keys (16 trunked networks). Software Key Type: System Key File (SKF)- See L-5005 <ul style="list-style-type: none"> For NX-5000 series radios. 3-digit HEX System ID (HSID) with verifiable written authorization required from SYSOP. Utilized by both SYSOPs and EPLs/Contractors. But EPLs/Contractors must be permitted from SYSOP to order and use SKF. Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. The *.SKF securely embeds/encrypts the HSID. <hr/>			
KPG-36XM	Full Speed USB Programming interface cable Note: This cable with USB mode may be used for SD Card Direct Access.	144.75	193.00
KPG-93	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	255.15	340.20
KPG-93AUT	KVL-4000 Radio Authentication Cable Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	320.10	426.80
KWD-ASK-AK	Access Key for KPG-D1NK P25 trunked programming Notes: Enables P25 Trunked system programming privileges in a KPG-D1NK. <ul style="list-style-type: none"> For NX-5000 series only Must be activated by trunked system operator (SYSOP) with KWD-ASK-MK Master Key Must have KPG-D1NK Configurable expiration period of KWD-ASK-AK set by KWD-ASK-MK is available for 3 years for built in battery. USB Key must be replaced since the expiration set up dose not work after 3 years. 	190.87	254.50
KWD-ASK-MK	Master Key for activating KWD-ASK-AK Access Keys - Restricted Purchase Requirements - Notes: <ul style="list-style-type: none"> For NX-5000 series only. Sold to trunked system operator (SYSOP) or SYSOP authorized entities only Must have KPG-D1NK SYSOP must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. Purchase KWD-ASK-AK Access Keys if needed. 	455.77	607.70
OPTIONAL CABLE FOR FOREST/FIRE SERVICES FEATURE SET (FSFS) OPTION			
KPG-CLN-14P	Portable-to-Portable Cloning Cable (14P:14P), 1m	205.72	274.30
INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.28	129.70
L-5002	NX-5200/5300/5400 Programming (with basic TX/RX check) Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.	30.38	40.50
L-5003	Install KWD-AE30K in NX-5000 series Portable (Must purchase module separately)	60.75	81.00
L-5004	Install KWD-AE31K in NX-5000 series Portable (Must purchase module separately)	60.75	81.00

MSWIN COMPATIBLE P25 PHASE 2 TDMA

	<h1 style="margin: 0;">NX-5400</h1> <h2 style="margin: 0;">700/800MHz Digital & FM Analog Portable Radio</h2>	Table of Contents
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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 - <ul style="list-style-type: none"> • Trunked system operator (SYSOP) must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Must have KPG-D1NK. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • Non-SYSOP entities ordering L-5005 must provide verifiable written authorization from SYSOP to receive an *.SKF file. • 3-digit HEX HSID are securely encrypted & embedded in the *.SKF file. 	106.65	142.20
L-5024	Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	21.60	28.80
L-5039	Configure NX-5200/5300/5400 for CSA US Intrinsically Safe Must order KNB-LS5CU or KNB-LS7M I.S. battery	27.00	36.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	40.50	54.00
L-5077	FSFS++ Forest Service Feature Set - Factory Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning Note: Must purchase <u>per Radio</u> <ul style="list-style-type: none"> • 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. • <u>Custom firmware is not eligible for warranty compensation.</u> 	48.60	64.80
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning Note: Purchase per application - <u>provided as Custom FW for unlimited radios</u> <u>To PLACE AN ORDER</u> , submit "Kenwood LMR Customization Application" form along with your PO to Land Mobile Order Desk via email (LMRorderdesk@us.jvckenwood.com) or fax (310-761-8246). <ul style="list-style-type: none"> • 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. • <u>Custom firmware is not eligible for warranty compensation.</u> 	1134.00	1512.00

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

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

MSWIN COMPATIBLE P25 PHASE 2 TDMA



NX-5700/5800/5900

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

Table of Contents

STANDARD



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

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

All Accessories / options: 1 Year

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

2. Requires L-5023 DB25 Cable between Decks.

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

GENERAL FEATURES

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

DIGITAL – P25 MODE

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

DIGITAL – NXDN® MODE

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

DIGITAL – DMR MODE

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

ANALOG MODE

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

OPTIONAL FEATURES & CONFIGURATIONS

GENERAL FEATURES

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

DIGITAL – P25 MODE

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

DIGITAL – DMR MODE

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

MOUNTING & REMOTE CONFIGURATIONS

- (See NX-5000 Accessory page for details)
- KCH-20R Featured Control Head
 - KCH-21R Handheld Control Head
 - Single Remote Control Head (KRK Kit & KCT-71 or KCT-77 Cable required)
 - Dual Remote Control Heads (KCH-19/20R/21R & KRK Kit & KCT-71 or KCT-77 Cables required)
 - Multiple RF Decks (KRK Kit & KCT-71 or KCT-77 Control Cable + KWD-5004MR License Key Activation required*)



MSWIN COMPATIBLE P25 PHASE 2 TDMA

	<h1>NX-5700/5800/5900</h1>	Table of Contents
	VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios	

RADIO		EPL	LIST
NX-5700K	VHF (136-174MHz), 50 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	894.90	1193.20
NX-5800K	UHF (450-520MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	894.90	1193.20
NX-5800K2	UHF (380-470MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	894.90	1193.20
NX-5900K	700 / 800 MHz, 30/35 Watts NXDN Conventional / 800MHz TYPE-C (Gen1/Gen2) Trunking	1140.90	1521.20

RF Deck Only		EPL	LIST
<i>MUST purchase necessary accessories separately</i>			
NX-5700BK	VHF (50W, 136-174 MHz) RF Deck Only	657.75	877.00
NX-5800BK	UHF (45W, 450-520 MHz) RF Deck Only	657.75	877.00
NX-5800BK2	UHF (45W, 380-470 MHz) RF Deck Only	657.75	877.00
NX-5900BK	35W, 700/800 MHz RF Deck Only	903.90	1205.20

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

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

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

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

Form is available on MyTools website > Product > Forms

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

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

General Radio Features		EPL	LIST
KWD-5000CH	License Key for 4000 Channel Expansion	340.28	453.70
KWD-5001FP	License Key for Front Panel Programming	243.00	324.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	84.98	113.30
KWD-5003BT	License Key for Bluetooth Data (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	28.35	37.80
KWD-5004MR	License Key for Multiple RF Decks Receiver Note: Required ONLY for the radios with S/N: B5900000 or earlier.	N/C	N/C
KWD-5007RC	License Key for Remote Control by Subscriber Units Note: - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	32.40	43.20

P25 Radio Features		EPL	LIST
KWD-5100CV	License Key for P25 Conventional	465.75	621.00
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV) Note: Required for Link Layer Authentication	421.28	561.70
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	324.00	432.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	567.00	756.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	97.28	129.70
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	145.73	194.30
KWD-5107EE	License Key for P25 ARC4 Enhanced Encryption	NC	NC

DMR Features		EPL	LIST
KWD-5300CV	License Key for DMR Tier 2 Conventional	48.80	64.80
KWD-5301TR	License Key for DMR Tier 3 Trunking (requires KWD-5300CV)	108.00	144.00
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption	32.40	43.20

Other Accessories, Software, and Services

Refer to NX-5000 series mobile accessory pages

MSWIN COMPATIBLE P25 PHASE 2 TDMA



NX-5700H/5800H

VHF/UHF Digital & FM Analog Mobile Radio

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NX-5000HBF Mobiles include:

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

All Accessories / options: 1 Year

STANDARD

GENERAL FEATURES

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

DIGITAL – P25 MODE

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

DIGITAL – NXDN® MODE

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

ANALOG MODE

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

OPTIONAL FEATURES & CONFIGURATIONS

GENERAL FEATURES

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

DIGITAL – P25 MODE

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

DIGITAL – NXDN MODE

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

Multi-Deck Compatible Models & Modes

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

MOUNTING & REMOTE CONFIGURATIONS

- (See NX-5000 Accessory page for details)
- KCH-19 Basic Control Head
 - KCH-20R Featured Control Head
 - KCH-21R Handheld Control Head
 - Single Remote Control Head (KRK Kit & KCT-71 or KCT-77 Cable required)
 - Dual Remote Control Heads (KCH-19/20R/21R & KRK Kit & KCT-71 or KCT-77 Cables required)
 - Multiple RF Decks (KRK Kit & KCT-71 or KCT-77 Control Cable)



MSWIN COMPATIBLE P25 PHASE 2 TDMA

	<h1 style="margin: 0;">NX-5700H/5800H</h1> <h2 style="margin: 0;">VHF/UHF Digital & FM Analog Mobile Radio</h2>	Table of Contents
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RF Deck Only		EPL	LIST
<i>MUST purchase necessary accessories separately</i>			
NX-5700HBF	NX-5700HBF (110W, 136-174 MHz) RF Deck Only, NXDN Conv & P25 Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1843.28	2457.70
NX-5800HBF	NX-5800HBF (100W, 450-520 MHz) RF Deck Only, NXDN Conv & P25 Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1843.28	2457.70
NX-5800HBF2	NX-5800HBF2 (100W, 380-470 MHz) RF Deck Only, NXDN Conv & P25 Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1842.28	2457.70

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

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

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

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

Form is available on MyTools website > Product > Forms

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

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

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

P25 Radio Features		EPL	LIST
KWD-5101TR	License Key for P25 Phase 1 Trunking Note: Required for Link Layer Authentication	421.28	561.70
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5101TR)	324.00	432.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	567.00	756.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	97.28	129.70
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) DO NOT require KWD-5106DT.	145.73	194.30
KWD-5107EE	License Key for P25 ARC4 Enhanced Encryption	NC	NC

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

Other Accessories, Software, and Services

Refer to NX-5000 series mobile accessory pages

MSWIN COMPATIBLE P25 PHASE 2 TDMA

NEXEDGE®



NX-5600H

Lowband Digital & FM Analog Mobile Radio

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**NX-5000HBF Mobiles include:**

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

All Accessories / options: 1 Year

STANDARD

■ GENERAL FEATURES

- 110 W (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

■ MOUNTING & REMOTE CONFIGURATIONS

MSWIN COMPATIBLE P25 PHASE 2 TDMA



NX-5600H

Lowband Digital & FM Analog Mobile Radio

Table of Contents

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

DIGITAL – NXDN MODE

- Conventional Features (Factory Installed)

Multi-Deck Compatible Models & Modes

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

- (See NX-5000 Accessory page for details)
- [KCH-19](#) Basic Control Head
 - [KCH-20R](#) Featured Control Head
 - [KCH-21R](#) Handheld Control Head
 - Single Remote Control Head (KRK Kit & [KCT-71](#) or [KCT-77](#) Cable required)
 - Dual Remote Control Heads ([KCH-19/20R/21R](#) & KRK Kit & [KCT-71](#) or [KCT-77](#) Cables required)
 - Multiple RF Decks (KRK Kit & [KCT-71](#) or [KCT-77](#) Control Cable)



RF Deck Only		EPL	LIST
<i>MUST purchase necessary accessories separately</i>			
NX-5600HBF3	NX-5600HBF3 (110W, 39-50 MHz) RF Deck Only, Analog & NXDN Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1595.78	2127.70

SOFTWARE LICENSING & RADIO FEATURE OPTIONS

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

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

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

Form is available on MyTools website > Product > Forms

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

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

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

Other Accessories, Software, and Services

Refer to NX-5000 series mobile accessory pages

MSWIN Compatible P25 Phase 2 TDMA

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

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OTHER ACCESSORIES

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

RADIO FEATURE LICENSE OPTIONS

Refer to model page for available Radio Feature Licenses.
Radio & Feature compatibility may differ per model.

	EPL	LIST
KWD-AE30K AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-5007 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). Note: Required for Link Layer Authentication	775.50	1034.00
KWD-AE31K AES & DES Encryption Module (Multi-Key) Order a Labor Code L-5008 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Note: Required for Link Layer Authentication	502.65	670.20
KPG-AE1K AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)	442.65	590.20
KPG-DE1K DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required	297.60	396.80

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

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

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

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

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

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REMOTE & MULTI-RF DECK CONFIGURATIONS

DIY - CONFIGURATION GUIDE

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

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



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

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

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

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

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

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

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

STEP 4. Add Microphone for each Control Head.

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

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

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

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

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

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

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REMOTE & MULTI-RF DECK ASSEMBLY LABORS	EPL	LIST
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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.

Code	Description	EPL	LIST
L-5029	Factory Assembly & Factory Packing for Single Head Remote Kit and Radio	60.75	81.00
L-5030	Factory Assembly & Factory Packing for Dual Head Remote Kit and Radio	113.40	151.20
L-5031	Factory Assembly & Factory Packing for Single Head Remote Kit and Dual Deck Radio	68.85	91.80
L-5032	Factory Assembly & Factory Packing for Single Head / Dual Deck / Ext. Speakers	121.50	162.00
L-5033	Factory Assembly & Factory Packing for Dual Head and Dual Deck Radio	121.50	162.00
L-5034	Factory Assembly & Factory Packing for Dual Head / Dual Deck / Ext. Speakers	125.48	167.30
L-5035	Factory Assembly & Factory Packing for Single Head Remote and Triple Deck Radio	113.40	151.20
L-5037	Factory Assembly & Factory Packing for Dual Head and Triple Deck Radio	129.60	172.80

INSTALLATION / TUNING SERVICES	EPL	LIST
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L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	97.23	129.70
L-5006	NX-5000 Mobile Programming (with basic TX/RX check)	30.38	40.50
L-5007	Install KWD-AE30K in NX-5000 series Mobile (Must purchase module separately)	60.75	81.00
L-5008	Install KWD-AE31K in NX-5000 series Mobile (Must purchase module separately)	60.75	81.00
L-5015	Install KAP-2 (Default) HR1/ INTERNAL Sp./PA. Note: This labor code is only for individual orders for mobile configuration. The labor code (L-5032, 5034, and 5036) for Multi RF Deck Configuration Package includes installation of KAP-2.	20.25	27.00
L-5019	Install KAP-2 (Default) HR1/ EXTERNAL Sp./PA. Note: This labor code is only for individual orders for mobile configuration. The labor code (L-5032, 5034, and 5036) for Multi RF Deck Configuration Package includes installation of KAP-2.	20.25	27.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	40.50	54.00
L-5077	FSFS++ Forest Service Feature Set - Factory Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning Note: Must purchase <u>per Radio</u> <ul style="list-style-type: none"> • This feature set is provided by custom firmware based on V4.21.00 firmware. • Feature set is applicable for analog conventional / P25 conventional modes only. • Feature set does not support mobile multi-deck configuration. • Feature set will not work with any other firmware options or customized firmware. • Custom firmware is not eligible for warranty compensation. 	48.60	64.80
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning Note: Purchase per application - <u>provided as Custom FW for unlimited radios</u> <u>To PLACE AN ORDER</u> , submit "Kenwood LMR Customization Application" form along with your PO to Land Mobile Order Desk via email (LMRorderdesk@us.jvckenwood.com) or fax (310-761-8246). <ul style="list-style-type: none"> • This feature set is provided as custom firmware based on V4.21.00 firmware. • Feature set is applicable for analog conventional / P25 conventional modes only. • Feature set does not support Mobile multi-deck configuration. • Feature set will not work with any other firmware options or customized firmware. • Custom firmware is not eligible for warranty compensation. 	1134.00	1512.00

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SOFTWARE LICENSING & RADIO FEATURE OPTIONS

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

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

Form is available on MyTools website > Product > Forms

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

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

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-D1NK	License Key for KPG-D1NK Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1) Note: Requires KPT-300LMC for authentication Note: Requires P25 Trunk system programming privileges for P25 Trunk programming. Must purchase L-5005 or KWD-ASK Hardware Access Keys	125.48	167.30
L-5005	KPG-D1NK System Key File (SKF) Note: Enables P25 Trunked system programming privileges in a KPG-D1NK. - Restricted Purchase Requirements - • Trunked system operator (SYSOP) must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Must have KPG-D1NK. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • Non-SYSOP entities ordering L-5005 must provide verifiable written authorization from SYSOP to receive an *.SKF file. • 3-digit HEX HSID are securely encrypted & embedded in the *.SKF file.	106.65	142.20
KWD-ASK-MK	Master Key for activating KWD-ASK-AK Access Keys - Restricted Purchase Requirements - Notes: • For NX-5000 series only. • Sold to trunked system operator (SYSOP) or SYSOP authorized entities only • Must have KPG-D1NK • SYSOP must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Purchase KWD-ASK-AK Access Keys if needed.	455.78	607.70
KWD-ASK-AK	Access Key for KPG-D1NK P25 trunked programming Notes: Enables P25 Trunked system programming privileges in a KPG-D1NK. • For NX-5000 series only • Must be activated by trunked system operator (SYSOP) with KWD-ASK-MK Master Key • Must have KPG-D1NK • Configurable expiration period of KWD-ASK-AK set by KWD-ASK-MK is available for 3 years for built in battery. USB Key must be replaced since the expiration set up dose not work after 3 years.	190.88	254.50
KPG-115	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	255.15	340.20
KPG-115AUT	KVL-4000 Radio Authentication Cable Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	320.10	426.80
KPG-46XM	Full Speed USB Programming interface cable Note: This cable with USB mode may be used for SD Card Direct Access.	144.75	193.00
KPG-CLN-RJ45	Mobile-to-Mobile Cloning Cable (RJ45:RJ45), 3m	156.53	208.70
FleetSync® & NEXEDGE® AVL & MESSAGING		EPL	LIST
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch Note: - Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft®MapPoint®2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for details. - NEXEDGE Gen2. Tvoe-D Trunking and DMR System not supported.	351.53	468.70