

MSWIN Compatible P25 Phase 2 TDMA



## Mississippi EPL 3744 Price Pages



## MSWIN Compatible P25 Phase 2 TDMA Price Guide



Effective Date: May 2022



MSWIN Compatible P25 Phase 2 TDMA

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MSWIN Compatible P25 Phase 2 TDMA

Radio Series	Programming Installation Cost		
	Cost	Cost	
<b>PORTABLES</b>			
<i>NX-5200/5300</i>	\$75.00	N/A	
<i>NX-5400 MSWIN TDMA</i>	\$75.00	N/A	
<b>MOBILES</b>			
<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

Table of Contents

## 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 <sup>1</sup>
- Emergency Call Features
- Built-in GPS Receiver / Antenna
- Built-in Bluetooth® 4.0 Module
- Built-in Motion Sensor
- Built-in 56-bit DES Encryption (4 keys programmable by KPG-D1(N)K)
- Active Noise Reduction (ANR)
- KPG-D1N Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP67/68 Immersion
- Color Housing Option
- Digital Encode/Decode Format

**DIGITAL – P25 MODE**

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

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

**OPTIONAL FEATURES**

**GENERAL FEATURES**

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

**DIGITAL – P25 MODE**

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

**DIGITAL – DMR MODE**

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

**DIGITAL – NXDN® MODE**

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

**DIGITAL – DMR MODE**

- DMR Tier 2 Conventional Option
- 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

## MSWIN Compatible P25 Phase 2 TDMA

	<h1 style="margin: 0;">NX-5200/5300</h1> <h2 style="margin: 0;">VHF/UHF Digital &amp; FM Analog Portable Radios</h2>	<a href="#">Table of Contents</a>
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RADIO		EPL	LIST
<b>Standard Key Models</b>			
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
<b>Full Key Models</b>			
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
<b>CSA US APPROVED MODELS</b>			
<b>Must Order L-5039 &amp; "KNB-LS5CU or KNB-LS7M" Intrinsically Safe Battery per radio</b>			
<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	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) <b>Note:</b> 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 <b>Note:</b> - 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.	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) <b>Note:</b> 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
<b>DMR Radio Features</b>			
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

## MSWIN Compatible P25 Phase 2 TDMA

	<b>NX-5200/5300</b>	Table of Contents
	VHF/UHF Digital & FM Analog Portable Radios	


<b>ANTENNAS</b>		<b>EPL</b>	<b>LIST</b>
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
<b>BATTERIES AND CHARGERS</b>		<b>EPL</b>	<b>LIST</b>
<b>*All of batteries listed below except KBP-8M2 is compatible with IP67/68 when it is used with a radio.</b>			
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 <b>Note:</b> 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 <b>Note:</b> 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. <b>Note:</b> 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
<b>BATTERY READER</b>		<b>EPL</b>	<b>LIST</b>
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) <b>Note:</b> Requires KPT-300LMC for authentication Add Battery Management with Database	63.75	85.00
KAS-12PRO	Requires KAS-12K base license for upgrade <b>Note:</b> Requires KPT-300LMC for authentication	262.50	350.00
<b>CARRYING ACCESSORIES</b>		<b>EPL</b>	<b>LIST</b>

## MSWIN Compatible P25 Phase 2 TDMA

		<h1 style="margin: 0;">NX-5200/5300</h1> <p style="margin: 0;">VHF/UHF Digital &amp; FM Analog Portable Radios</p>		<a href="#">Table of Contents</a>
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	
<b>SPECIAL COLOR HOUSING</b>		<b>EPL</b>	<b>LIST</b>	
KWD-YH-5000	Yellow Housing Kit for NX-5000 series Portables (Standard Key Model K2/K5 Only) Order <b>L-5024</b> for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood.) <b>Note:</b> If you order only housing and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.	33.90	45.20	
<b>MICROPHONES &amp; AUDIO ACCESSORIES</b>		<b>EPL</b>	<b>LIST</b>	
<b>*IP grades for microphones and audio accessories are decided by each item.</b>				
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with <b>Active Noise Reduction</b> <b>Note:</b> IP68 is available only when used with NX-5000 series portable <b>Intrinsically Safe Option!</b>	110.03	146.70	
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic <b>Intrinsically Safe Option!</b>	84.53	112.70	
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector <b>Note:</b> 5/16" Coax cable hex wrench included (antenna is not included). <b>Intrinsically Safe Option!</b>	291.98	389.30	
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics <b>Intrinsically Safe Option!</b>	47.03	62.70	
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic <b>Intrinsically Safe Option!</b>	47.03	62.70	
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) <b>Intrinsically Safe Option!</b>	193.65	258.20	
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) <b>Intrinsically Safe Option!</b>	140.85	187.80	
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) <b>Note:</b> NOT compatible with TDMA operations <b>Intrinsically Safe Option!</b>	179.03	238.70	
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT <b>Note:</b> NOT compatible with TDMA operations <b>Intrinsically Safe Option!</b>	123.38	164.50	
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT <b>Intrinsically Safe Option!</b>	377.03	502.70	
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT <b>Intrinsically Safe Option!</b>	330.15	440.20	
<b>ENCRYPTION &amp; OPTION MODULES</b>		<b>EPL</b>	<b>LIST</b>	
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code <b>L-5003</b> 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). <b>Note:</b> Required for Link Layer Authentication <b>Intrinsically Safe Option!- Must be Kenwood installed for I.S.</b>	717.98	957.30	
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code <b>L-5004</b> 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.) <b>Note:</b> 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) <b>Note:</b> Required for Link Layer Authentication <b>Intrinsically Safe Option!- Must be Kenwood installed for I.S.</b>	465.38	620.50	



## MSWIN Compatible P25 Phase 2 TDMA

		<h1 style="margin: 0;">NX-5200/5300</h1> <h2 style="margin: 0;">VHF/UHF Digital &amp; FM Analog Portable Radios</h2>		Table of Contents
KCT-48VU	External Vibration Unit <b>Note:</b> Audio accessories cannot be used when this option installed. KCT-48VU does not support the P25 digital mode calling or paging features <del>Functionally Safe Option 1</del>	72.00	96.00	
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K <b>Authentication by KPT-300LMC is required</b> <b>Note:</b> 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 <b>Authentication by KPT-300LMC is required</b>	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/7/8/10) <b>Note:</b> Requires KPT-300LMC for authentication	116.25	155.00	
<p style="text-align: center;"><b>P25 Trunked Programming Capability (Licensed by either 1 or 2 below):</b></p> <p><b>1. USB Key Type: Advanced System Key (ASK)- See KWD-ASK-MK and AK</b></p> <ul style="list-style-type: none"> <li>• For NX-5000 series radios.</li> <li>• KWD-ASK-MK (Master Key): For trunked system operator (SYSOP). Required for activating KWD-ASK-AK Access keys. Securely embeds/encrypts the HSID.</li> <li>• KWD-ASK-AK (Access Key): For Dealers/contractors. Activated by KWD-ASK-MK Master Key.</li> <li>• KPG-D1NK supports up to 16 KWD-ASK-AK Access Keys (16 trunked networks)</li> </ul> <p><b>2. Software Key Type: System Key File (SKF)- See L-5005</b></p> <ul style="list-style-type: none"> <li>• For NX-5000 series radios.</li> <li>• 3-digit HEX System ID (HSID) with verifiable written authorization required from SYSOP.</li> <li>• Utilized by both SYSOPs and Dealers/Contractors. But Dealers/Contractors must be permitted from SYSOP to order and use SKF.</li> <li>• 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.</li> <li>• The *.SKF securely embeds/encrypts the HSID.</li> </ul>				
KPG-36XM	Full Speed USB Programming interface cable <b>Note:</b> 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 <b>Note:</b> 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 <b>Notes:</b> 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 <b>- Restricted Purchase Requirements -</b> <b>Notes:</b> • 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) <b>Note:</b> Must purchase Radio Feature Licenses separately. <u>KPT-300LMC's History Menu will not display the Radio Features activated by Factory.</u>	90.00	120.00	
L-5002	NX-5200/5300/5400 Programming (with basic TX/RX check) <b>Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.</b>	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	

MSWIN Compatible P25 Phase 2 TDMA

	<h1 style="margin: 0;">NX-5200/5300</h1> <h2 style="margin: 0;">VHF/UHF Digital &amp; FM Analog Portable Radios</h2>	<a href="#">Table of Contents</a>
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L-5005	KPG-D1NK System Key File (SKF) <b>Note:</b> Enables P25 Trunked system programming privileges in a KPG-D1NK. <b>- Restricted Purchase Requirements -</b> • 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 Intrinsicly Safe <b>Must order KNB-LS5CU or KNB-LS7M I.S. battery</b>	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 <b>Note:</b> Must purchase <u>per Radio</u> • This feature set is provided by custom firmware based on V4.21.00 firmware. • Feature set is applicable for analog conventional / P25 conventional modes only. • Feature set does not support mobile multi-deck configuration. • Feature set will not work with any other firmware options or customized firmware.	45.00	60.00
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning <b>Note:</b> Purchase per application - <u>provided as Custom FW for unlimited radios</u> 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](http://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.

## MSWIN Compatible P25 Phase 2 TDMA



## NX-5400

Table of Contents

## 700/800MHz Digital &amp; FM Analog Portable Radio



&lt;Standard Key Model &gt;

&lt;Full Key Model &gt;

**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  $\pm 10$ 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-Intensive 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 <sup>1</sup>
- 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 & S-Trunking Features (KWD-5300CV)
- DMR Tier 3 Trunking Features (KWD-5300CV & KWD-5301TR)

**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®/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

	<b>NX-5400</b>	Table of Contents
	<b>700/800MHz Digital &amp; FM Analog Portable Radio</b>	

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
<b>Must Order L-5039 &amp; "KNB-LS5CU or KNB-LS7M" Intrinsically Safe Battery per radio</b>			
<i>*Note: microSD card is not allowed to use as Intrinsically Safe Option.</i>			
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) <b>Note:</b> 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 <b>Note:</b> - 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) <b>Note:</b> 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 <b>Note:</b> 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

## MSWIN Compatible P25 Phase 2 TDMA

	<h1 style="margin: 0;">NX-5400</h1> <h2 style="margin: 0;">700/800MHz Digital &amp; FM Analog Portable Radio</h2>	<a href="#">Table of Contents</a>
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BATTERIES AND CHARGERS		EPL	LIST
<b>*All of batteries listed below except KBP-8M2 is compatible with IP67/68 when it is used with a radio.</b>			
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 <b>Note:</b> 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. <b>[Intrinsically Safe Option]</b>	176.78	235.70
KNB-LS7M	CSA US Intrinsically Safe Battery Li-ion 3800mAh <b>Note:</b> 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. <b>[Intrinsically Safe Option]</b>	254.10	338.80
KBP-8M2	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. <b>Note:</b> 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) <b>Note:</b> Requires KPT-300LMC for authentication	63.75	85.00
KAS-12PRO	Add Battery Management with Database Requires KAS-12K base license for upgrade <b>Note:</b> 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
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 <b>L-5024</b> for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood.) <b>Note:</b> If you order only housing and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.	33.90	45.20



## MSWIN Compatible P25 Phase 2 TDMA

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<b>MICROPHONES &amp; AUDIO ACCESSORIES</b>		<b>EPL</b>	<b>LIST</b>
<b>*IP grades for microphones and audio accessories are decided by each item.</b>			
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with <u>Active Noise Reduction</u> <b>Note:</b> IP68 is available only when used with NX-5000 series portable <b>[Intrinsically Safe Option]</b>	110.03	146.70
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic <b>[Intrinsically Safe Option]</b>	84.53	112.70
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector <b>Note:</b> 5/16" Coax cable hex wrench included (antenna is not included). <b>[Intrinsically Safe Option]</b>	291.98	389.30
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics <b>[Intrinsically Safe Option]</b>	47.03	62.70
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic <b>[Intrinsically Safe Option]</b>	47.03	62.70
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) <b>[Intrinsically Safe Option]</b>	193.65	258.20
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) <b>[Intrinsically Safe Option]</b>	140.85	187.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) <b>Note:</b> NOT compatible with TDMA operations <b>[Intrinsically Safe Option]</b>	179.03	238.70
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT <b>Note:</b> NOT compatible with TDMA operations <b>[Intrinsically Safe Option]</b>	123.38	164.50
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT <b>[Intrinsically Safe Option]</b>	377.03	502.70
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT <b>[Intrinsically Safe Option]</b>	330.15	440.20
<b>ENCRYPTION &amp; OPTION MODULES</b>		<b>EPL</b>	<b>LIST</b>
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code <b>L-5003</b> 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). <b>Note:</b> Required for Link Layer Authentication <b>[Intrinsically Safe Option]- Must be Kenwood installed for I.S.</b>	717.98	957.30
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code <b>L-5004</b> 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.) <b>Note:</b> 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) <b>Note:</b> Required for Link Layer Authentication <b>[Intrinsically Safe Option]- Must be Kenwood installed for I.S.</b>	465.38	620.50
KCT-48VU	External Vibration Unit <b>Note:</b> Audio accessories cannot be used when this option installed. KCT-48VU does not support the P25 digital mode calling or paging features <b>[Intrinsically Safe Option]</b>	72.00	96.00
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K <b>Authentication by KPT-300LMC is required</b> <b>Note:</b> 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 <b>Authentication by KPT-300LMC is required</b>	276.00	368.00

## MSWIN Compatible P25 Phase 2 TDMA

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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) <b>Note:</b> Requires KPT-300LMC for authentication	116.25	155.00
<p><b>P25 Trunked Programming Capability (licensed by either 1 or 2 below):</b></p> <p><b>1. USB Key Type: Advanced System Key (ASK)- See KWD-ASK-MK and AK</b></p> <ul style="list-style-type: none"> <li>• For NX-5000 series radios.</li> <li>• KWD-ASK-MK (Master Key): For trunked system operator (SYSOP). Required for activating KWD-ASK-AK Access keys. Securely embeds/encrypts the HSID.</li> <li>• KWD-ASK-AK (Access Key): For Dealers/contractors. Activated by KWD-ASK-MK Master Key.</li> <li>• KPG-D1NK supports up to 16 KWD-ASK-AK Access Keys (16 trunked networks)</li> </ul> <p><b>2. Software Key Type: System Key File (SKF)- See L-5005</b></p> <ul style="list-style-type: none"> <li>• For NX-5000 series radios.</li> <li>• 3-digit HEX System ID (HSID) with verifiable written authorization required from SYSOP.</li> <li>• Utilized by both SYSOPs and Dealers/Contractors. But Dealers/Contractors must be permitted from SYSOP to order and use SKF.</li> <li>• 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.</li> <li>• The *.SKF securely embeds/encrypts the HSID.</li> </ul>			
KPG-36XM	Full Speed USB Programming interface cable <b>Note:</b> 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 <b>Note:</b> 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 <b>Notes:</b> 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 <b>- Restricted Purchase Requirements -</b> <b>Notes:</b> • 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) <b>Note:</b> 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) <b>Must submit NX-x000 Series Programming Order Form upon placing order for any programming services.</b>	28.13	37.50
L-5003	Install KWD-AE30K in NX-5000 series Portable <b>(Must purchase module separately)</b>	56.25	75.00
L-5004	Install KWD-AE31K in NX-5000 series Portable <b>(Must purchase module separately)</b>	56.25	75.00
L-5005	KPG-D1NK System Key File (SKF) <b>Note:</b> Enables P25 Trunked system programming privileges in a KPG-D1NK. <b>- Restricted Purchase Requirements -</b> • 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

## MSWIN Compatible P25 Phase 2 TDMA

		<h1>NX-5400</h1> <h2>700/800MHz Digital &amp; FM Analog Portable Radio</h2>	<a href="#">Table of Contents</a>
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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 <b>Must order KNB-L S5CU or KNB-L S7M I.S. battery</b>	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 <b>Note:</b> Must purchase <u>per Radio</u> <ul style="list-style-type: none"> <li>• This feature set is provided by custom firmware based on V4.21.00 firmware.</li> <li>• Feature set is applicable for analog conventional / P25 conventional modes only.</li> <li>• Feature set does not support mobile multi-deck configuration.</li> <li>• Feature set will not work with any other firmware options or customized firmware.</li> </ul>	45.00	60.00
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning <b>Note:</b> Purchase per application - <u>provided as Custom FW for unlimited radios</u> <b>To PLACE AN ORDER</b> , 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"> <li>• This feature set is provided as custom firmware based on V4.21.00 firmware.</li> <li>• Feature set is applicable for analog conventional / P25 conventional modes only.</li> <li>• Feature set does not support Mobile multi-deck configuration.</li> <li>• Feature set will not work with any other firmware options or customized firmware.</li> </ul>	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](http://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 the information is already submitted to Kenwood):**  
**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.



MSWIN Compatible P25 Phase 2 TDMA



# 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 <sup>1</sup>
- 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<sup>2</sup> (DMR Mode<sup>3</sup>)
- 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\*)



## MSWIN Compatible P25 Phase 2 TDMA

	<h1 style="margin: 0;">NX-5700/5800/5900</h1> <h2 style="margin: 0;">VHF/UHF/700/800MHz Digital &amp; FM Analog Mobile Radios</h2>	<a href="#">Table of Contents</a>
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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
<i>MUST purchase necessary accessories separately</i>			
NX-5700BK	NX-5700K (50W, 136-174 MHz) <b>RF Deck Only</b>	609.00	812.00
NX-5800BK	NX-5800K (45W, 450-520 MHz) <b>RF Deck Only</b>	609.00	812.00
NX-5800BK2	NX-5800K2 (45W, 380-470 MHz) <b>RF Deck Only</b>	609.00	812.00
NX-5900BK	NX-5900K (35W, 700/800 MHz) <b>RF Deck Only</b>	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) <b>Note:</b> 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 <b>Note: Required ONLY for the radios with S/N: B5900000 or earlier.</b>	NC	N/C
KWD-5007RC	License Key for Remote Control by Subscriber Units <b>Note:</b> - P25 Mode is <b>NOT</b> 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 <b>NOT</b> 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) <b>Note:</b> 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 <b>Note:</b> 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

MSWIN Compatible P25 Phase 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 TDMA

	<h1 style="margin: 0;">NX-5700H/5800H</h1> <h2 style="margin: 0;">VHF/UHF Digital &amp; FM Analog Mobile Radio</h2>	<a href="#">Table of Contents</a>
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<b>RF Deck Only</b>		<b>EPL</b>	<b>LIST</b>
<i><b>MUST purchase necessary accessories separately</b></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)	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.*

<b>General Radio Features</b>		<b>EPL</b>	<b>LIST</b>
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) <b>Note:</b> 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 <b>Note:</b> - 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 NOT require the license.	30.00	40.00

<b>P25 Radio Features</b>		<b>EPL</b>	<b>LIST</b>
KWD-5101TR	License Key for P25 Phase 1 Trunking <b>Note:</b> 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 <b>Note:</b> Conventional (OTAR/GPS) DO NOT require KWD-5106DT.	135.00	180.00
KWD-5107EE	License Key for P25 ARC4 Enhanced Encryption	NC	NC

<b>NXDN Radio Features</b>		<b>EPL</b>	<b>LIST</b>
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

MSWIN Compatible P25 Phase 2 TDMA



# 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**

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

**DIGITAL – NXDN MODE**

- Conventional Features (Factory Installed)

**Multi-Deck Compatible Models & Modes**

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

**MOUNTING & REMOTE CONFIGURATIONS**

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



RF Deck Only		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



## MSWIN Compatible P25 Phase 2 TDMA

NEXEDGE®



## NX-5600H

Lowband Digital &amp; FM Analog Mobile Radio

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## SOFTWARE LICENSING &amp; 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) <b>Note:</b> 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 <b>Note:</b> - 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.	30.00	40.00

## Other Accessories, Software, and Services


Refer to NX-5000 series mobile accessory pages

## MSWIN Compatible P25 Phase 2 TDMA

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<b>MICROPHONES AND SPEAKERS</b>		<b>EPL</b>	<b>LIST</b>
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 <b>Note:</b> 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) <b>Note:</b> NOT compatible with TDMA operations	72.75	97.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug)	161.40	215.20
<b>DC POWER CABLES</b>		<b>EPL</b>	<b>LIST</b>
KCT-23M	DC Cable, 35-50W, 10 feet <b>Note:</b> For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	33.15	44.20
KCT-23M3	DC Cable, 35-50W, 23 feet <b>Note:</b> For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	45.60	60.80
KCT-23M2	DC Cable, 75-110W, 10 feet <b>Note:</b> For high power mobiles (NX-5600HB/5700HB) only.	33.15	44.20
KCT-23M4	DC Cable, 75/110W, 23 feet <b>Note:</b> For high power mobiles (NX-5600HB/5700HB) only.	45.60	60.80
<b>MOUNTING BRACKETS</b>		<b>EPL</b>	<b>LIST</b>
KMB-33M	Mounting Bracket <b>Note:</b> For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	11.85	15.80
KMB-36	Mounting Bracket <b>Note:</b> For high power mobiles (NX-5600HB/5700HB) only.	63.60	84.80
<b>CONTROL HEADS</b>		<b>EPL</b>	<b>LIST</b>
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 <b>Note:</b> - Remote configuration only. No Internal Speaker included. KES-5A is required. - microSD License (KWD-5002SD) and Bluetooth SPP License (KWD-5003BT) are <b>NOT</b> required for both <b>KCH-20RM</b> and <b>connected RF Decks</b> . KCH-20RM and connected RF Decks can be used of microSD and Bluetooth SPP with <b>NO</b> License Activation. Hand Held Control Head for Long Cable <b>*Requires KCT-77M2 (17 ft.)</b>	506.78	675.70
KCH-21RM	<b>Note:</b> - 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. Hand Held Control Head with Short Cable (4 ft.)	840.98	1121.30
KCH-21RM-S	<b>Note:</b> - 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
<b>CONTROL HEAD REMOTE KIT (for Mid Power Mobiles)</b>		<b>EPL</b>	<b>LIST</b>
KRK-15BM	Control Head Remote Kit <b>Note:</b> For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	42.23	56.30
<b>REMOTE &amp; MULTI RF DECK CABLES</b>		<b>EPL</b>	<b>LIST</b>
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.) <b>Note:</b> Please specify exact length at 1ft. increments when ordering. <b>Caution:</b> 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.) <b>Note:</b> Please specify exact length at 1ft. increments when ordering. <b>Caution:</b> 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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## NX-5000 Series Mobile Accessories

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OTHER ACCESSORIES		EPL	LIST
KCT-46	Ignition sense cable <b>Note:</b> For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	11.63	15.50
KCT-18	Ignition sense cable <b>Note:</b> For high power mobiles (NX-5600HB/5700HB) only.	16.65	22.20
KAP-2	Horn Alert/P.A. Relay Option <b>Note:</b> 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 <b>Note:</b> 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 <b>Note:</b> microSD function requires KWD-5002SD license.	78.75	105.00
KCT-91MRS	DB25 Cable for Mobile Relay Station (Conventional Only) <b>Note:</b> - 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 <b>Note:</b> 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 <b>L-5007</b> 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). <b>Note:</b> Required for Link Layer Authentication	717.98	957.30
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code <b>L-5008</b> if installation is required. <b>Note:</b> 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) <b>Note:</b> Required for Link Layer Authentication	465.38	620.50
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K <b>Authentication by KPT-300LMC is required</b> <b>Note:</b> 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 <b>Authentication by KPT-300LMC is required</b>	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](http://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.



## MSWIN Compatible P25 Phase 2 TDMA



# NX-5000 Series Mobile Accessories

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## REMOTE & MULTI-RF DECK CONFIGURATIONS

### DIY - CONFIGURATION GUIDE

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

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



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

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

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

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

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

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

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

#### STEP 4. Add Microphone for each Control Head.

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


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

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

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

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

## MSWIN Compatible P25 Phase 2 TDMA

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<b>CONVENIENT REMOTE &amp; MULTI-RF DECK ACCESSORY KITS</b>				
<i>MID POWER / Remote Kit - Single Head / Single RF Deck</i>			<i>EPL</i>	<i>LIST</i>
5ABM	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM, KCT-71M2, KCT-23M3, KMB-33M		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
<i>MID POWER / Remote Kit - Dual Head / Single RF Deck</i>			<i>EPL</i>	<i>LIST</i>
5ABBM	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KRK-15BM, KCT-71M2(x2), KCT-23M3, KMB-33M		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
<i>MID POWER / Remote Kit - Single Head / Dual RF Deck</i>			<i>EPL</i>	<i>LIST</i>
5ABMM	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2)		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
<i>MID POWER / Remote Kit - Single Head / Dual RF Deck, External Speakers per deck</i>			<i>EPL</i>	<i>LIST</i>
5ABMM-MR	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)		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
<i>MID POWER / Remote Kit - Dual Head / Dual RF Deck</i>			<i>EPL</i>	<i>LIST</i>
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
<i>MID POWER / Remote Kit - Dual Head / Dual RF Deck, External Speakers per deck</i>			<i>EPL</i>	<i>LIST</i>
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
<i>HIGH POWER / Single Head Remote Mount Kit</i>			<i>EPL</i>	<i>LIST</i>
6ABMIG	KMC-65M, KCH-19M, KRK-14HM, KCT-71M2, KCT-23M4, KCT-18, KMB-36		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
<i>HIGH POWER / Single Remote Mount / Dual High Power RF Deck</i>			<i>EPL</i>	<i>LIST</i>
6AFMMIG	KMC-65M, KCH-20RM, KCT-71M2, KCT-23M4(x2), KCT-72M, KES-5A, KCT-18(x2), KMB-36(x2), KCT-71M4		981.75	1309.00
<i>HIGH POWER / Single Deck Dual Head Remote Mount</i>			<i>EPL</i>	<i>LIST</i>
6ABBMMIG	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KCT-71M2(x2), KCT-23M4, KCT-18, KMB-36		904.65	1206.20
6AFFMMIG	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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# NX-5000 Series Mobile Accessories

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**REMOTE & MULTI-RF DECK ASSEMBLY LABORS****EPL****LIST**

Basic assembly and setup service for Remote &amp; 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.

		<b>EPL</b>	<b>LIST</b>
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**

		<b>EPL</b>	<b>LIST</b>
L-5001	Factory Activation of Radio Feature Licenses (per Radio) <b>Note:</b> 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-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/ <b>INTERNAL</b> Sp./PA. <b>Note:</b> 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/ <b>EXTERNAL</b> Sp./PA. <b>Note:</b> 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 <b>Note:</b> Must purchase per Radio <ul style="list-style-type: none"> <li>• This feature set is provided by custom firmware based on V4.21.00 firmware.</li> <li>• Feature set is applicable for analog conventional / P25 conventional modes only.</li> <li>• Feature set does not support mobile multi-deck configuration.</li> <li>• Feature set will not work with any other firmware options or customized firmware.</li> <li>• Custom firmware is not eligible for warranty compensation.</li> </ul>	45.00	60.00
L-5078	FSFS++ Forest Service Feature Set - Field Installation Adds Tactical Zone improvements and Analog Conv & P25 Conv Zone Cloning <b>Note:</b> Purchase per application - provided as Custom FW for unlimited radios <b>To PLACE AN ORDER</b> , 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"> <li>• This feature set is provided as custom firmware based on V4.21.00 firmware.</li> <li>• Feature set is applicable for analog conventional / P25 conventional modes only.</li> <li>• Feature set does not support Mobile multi-deck configuration.</li> <li>• Feature set will not work with any other firmware options or customized firmware.</li> </ul>	1050.00	1400.00

## MSWIN Compatible P25 Phase 2 TDMA



# NX-5000 Series Mobile Accessories

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## SOFTWARE LICENSING & RADIO FEATURE OPTIONS

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

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

Form is available on MyTools website > Product > Forms

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

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

## SERVICE RELATED ACCESSORIES

		EPL	LIST
KPG-D1NK	License Key for KPG-D1NK Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1) <b>Note:</b> Requires KPT-300LMC for authentication <b>Note:</b> Requires P25 Trunk system programming privileges for P25 Trunk programming. Must purchase L-	116.25	155.00
L-5005	KPG-D1NK System Key File (SKF) <b>Note:</b> Enables P25 Trunked system programming privileges in a KPG-D1NK. <b>- Restricted Purchase Requirements -</b> • 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 <b>- Restricted Purchase Requirements -</b> <b>Notes:</b> • 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 <b>Notes:</b> 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 <b>Note:</b> Only capable for P25 Radio Authentication. Not available for Encrvotion Key Loading.	296.40	395.20
KPG-46XM	Full Speed USB Programming interface cable <b>Note:</b> 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 <b>Note:</b> - 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