Mississippi EPL 3744 Price Pages

LAND MOBILE RADIO PRICE GUIDE

Effective Date: March 2020

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	NX5900BK	Series		TK5910BK	Series		KNB47LAM	Relevant Models
	KMC72W	Relevant Models		KMC41M	Relevant Models		KRK13A	Relevant Models
	KMC72W	Relevant Models		KMC42WDM	Relevant Models		6ABM	NX5000 Models
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				TK5710BGK	Series		5AFFMM	NX5000 Models
				TK5710HBGK	Series		5AFFM	NX5000 Models
				TK5310 Series	Series		5ABMM-MR	NX5000 Models
				TK5210 Series	Series		5ABBMMM-MR	NX5000 Models
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	KMC70M	Relevant Models		KMC54WDM	Relevant Models		10CFHSH	Relevant Models
				NX820 Series	Series		KNB33LAM	Relevant Models
				NX720 Series	Series		KNB46LBAM	Relevant Models
				NX320 Series	Series		KNB46LAM	Relevant Models
				NX220 Series	Series			
				KCT74PTT	Relevant Models			
				KCT73MIC	Relevant Models			
	KMC65M	Relevant Models		KMC27B	Relevant Models			
				KMC9B	Relevant Models			
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	NX3921GK	Series		NX901 Series	Series			
	NX3920GK	Series		NX900 Series	Series			
	" "	Series		NX920 Series	Series			
	NX3420K3	Series		NX420K3	Series			
	NX3400K3	Series		NX411K2	Series			
	" "	Series		NX410K2	Series			
	NX1300DUK4/K5	Series		TKD340UK2	Series			
	" "	Series		TKD340K2	Series			

Page	Additions	Series	Page	Deletions	Series	Page	Changes	Series
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				KMC21	Relevant Models			
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				KCT39	Relevant Models			
	NX5200	Series						
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	NX5800	Series						
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	NX5600HB	Series						
	KWD5201TR	Relevant Models						
	KWD5300CV	Relevant Models						
	KWD5301TR	Relevant Models						

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Radio Series		Programming Cost	Installation Cost
PORTABLES			
NX-5200/5300		$75.00	N/A
NX-5400		$75.00	N/A
NX-3200/3300		$50.00	N/A
NX-200G/300G		$75.00	N/A
NX-210G		$75.00	N/A
NX-3220/3320		$50.00	N/A
NX-240V/340U		$50.00	N/A
TK-D240V/D340U		$50.00	N/A
TK-2360/3360		$50.00	N/A
TK-2312/3312		$50.00	N/A
TK-2400/3400		$25.00	N/A
TK-2400VP/3400UP		$25.00	N/A
TK-2402V/3402U		$25.00	N/A
NX-P500		$25.00	N/A
TK-3230DX		$25.00	N/A
PKT-23		$25.00	N/A
MOBILES			
NX-5700/5800/5900	Single Band/Dash Mount	$75.00	$75.00
NX-5700/5800/5900	Single Band/Single Head Remote	$75.00	$125.00
NX-5700/5800/5900	Single Band/Dual Head Remote	$75.00	$175.00
NX-5700/5800/5900	Dual Deck/Single Head Single Speaker Remote	$125.00	$200.00
NX-5700/5800/5900	Dual Deck/Single Head Dual Speaker Remote	$125.00	$200.00
NX-5700/5800/5900	Dual Deck/Dual Head Single Speaker Remote	$125.00	$225.00
NX-5700/5800/5900	Dual Deck/Dual Head Dual Speaker Remote	$125.00	$225.00
NX-5700/5800/5900	Triple Deck/Single Head Single Speaker Remote	$175.00	$250.00
NX-5700/5800/5900	Triple Deck/Single Head Triple Speaker Remote	$175.00	$250.00
NX-5700/5800/5900	Triple Deck/Dual Head Single Speaker Remote	$175.00	$250.00
NX-5700/5800/5900	Triple Deck/Dual Head Triple Speaker Remote	$175.00	$275.00
NX-700/800	Dash Mount	$75.00	$75.00
NX-700/800	Remote Mount	$75.00	$125.00
NX-3720HG/3820HG	Dash Mount	$75.00	$75.00
NX-740HV/840HU	Dash Mount	$75.00	$75.00
TK-D740HV/840HU	Dash Mount	$75.00	$75.00
TK-7360HV/8360HU	Dash Mount	$75.00	$75.00
TK-7302HV/8302HU	Dash Mount	$50.00	$75.00

NEXEDGE®
P25 DMR

NX-5200/5300
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: To maintain immersion specs (IP67/68), all warranty service must be done by one of the three National Kenwood Authorized Service Centers. IP67/68 Certification is valid under the 3 year premium warranty. No re-certification is available.

Because of spurious signal (birdie), the following frequencies (and ±10kHz ranges) are not allowed;		
• 144.0000	• 384.0000	• 460.8000
• 147.4560	• 403.2000	• 480.0000
• 153.6000	• 422.4000	• 499.2000
• 172.0325	• 432.0000	• 518.4000
• 172.8000	• 441.6000	

Approved by CSA-us International Inc. for Classes I, II & III, Div. 1, Groups D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C hazardous locations.
Note: Environmental conditions are less than 32ºF (0ºC), KENWOOD carrying caes must be used.

STANDARD

■ GENERAL FEATURES
• 6 W (136-174 MHz) Models
• 5 W (380-470, 450-520 MHz) Models
• 1024 CH-GID / 128 Zones
• Standard Key Models (w/o numeric keypad)
• Full Key Models (w/ numeric keypad)
• Full Color 1.74" (240 x 180 pixels) Transflective TFT Display
• Multi-line Text Display
• Function/Status Icons
• Multi-Language Display
• Date & 12/24 Hour Time Clock
• Transmit/Busy/Call Alert/Warn LED
• On/Off Volume Knob
• 16-Position Mechanical Selector (w/ a stopper)
• 4-way Directional-pad (D-pad)
• 2 Position Lever Switch
• Emergency/AUX Key
• 3 Side PF Keys
• 1W Speaker Audio
• Multi Digital Protocol [1]
• Emergency Call Features
• Built-in GPS Receiver / Antenna
• Built-in Bluetooth® 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
　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.

■ 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 (requires KPG-180AP OTAP Manager Software)
• Paging Call
• Emergency Call
• All Group Call
• Status Messaging
• Remote Stun/Kill/Check
• Short & Long Data Messages
• GPS Location
• NXDN® Scrambler

■ DIGITAL – DMR MODE
• DMR Tier II Conventional
• 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
• 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

OPTIONAL

■ GENERAL FEATURES
• 4000 Channel (KWD-5000CH License Key Activation required)
• Front Panel Programming (KWD-5001FP License Key Activation required)
• microSD/microSDHC Memory Card Slot (KWD-5002SD License Key Activation required)
• Built-in Bluetooth® Module for Data (KWD-5003BT License Key Activation required)
• Remote Control by Subscriber Units (KWD-5007RC License Key Activation required)
• 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 License Key Activation required)
• Phase 1 Trunking Features (KWD-5100CV & 5101TR License Keys Activation required)
• Phase 2 Trunking Features (KWD-5100CV & 5101TR & 5102TR License Keys Activation required)
• Conventional OTAR (KWD-5103RK License Key Activation required)
• Trunking OTAR (KWD-5103RK & 5106DT License Keys Activation required)
• Conventional Voting Scan (KWD-5105VT License Key Activation required)
• Packet Data required for Trunked OTAR/GPS (KWD-5106DT License Keys Activation required)

■ DIGITAL – DMR MODE

NEXEDGE® P25 DMR

NX-5200/5300

VHF/UHF Digital & FM Analog Portable Radios

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		EPL	LIST
Standard Key Models			
NX-5200K2	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	631.50	842.00
NX-5300K2	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	631.50	842.00
NX-5300K5	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	631.50	842.00
Full Key Models		**EPL**	**LIST**
NX-5200K3	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	669.75	893.00
NX-5300K3	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	669.75	893.00
NX-5300K6	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	669.75	893.00
CSA US APPROVED MODELS		**EPL**	**LIST**
Must Order L-5039 & KNB-LS5M Intrinsically Safe Battery per radio *Note: microSD card is not allowed to use as Intrinsically Safe Option.*			
NX-5200-ISCK2	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	631.50	842.00
NX-5200-ISCK3	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	669.75	893.00
NX-5300-ISCK2	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	631.50	842.00
NX-5300-ISCK3	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	669.75	893.00
NX-5300-ISCK5	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	631.50	842.00
NX-5300-ISCK6	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	669.75	893.00
FIELD PROGRAMMING UNIT (FPU)		**EPL**	**LIST**
KPG-D1NK	License Key for KPG-D1NK Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1/10) ***Note:*** *Requires KPT-300LMC for authentication*	116.25	155.00
	P25 Trunked Programming Capability (licensed by either 1 or 2 below): **1. USB Key Type: Advanced System Key (ASK)- See KWD-ASK-MK and AK** • For NX-5000 series radios. • KWD-ASK-MK (Master Key): For trunked system operator (SYSOP). Required for activating KWD-ASK-AK Access keys. Securely embeds/encrypts the HSID. • KWD-ASK-AK (Access Key): For Dealers/contractors. Activated by KWD-ASK-MK Master Key. • KPG-D1NK supports up to 16 KWD-ASK-AK Access Keys (16 trunked networks).		
	2. Software Key Type: System Key File (SKF)- See L-5005 • For NX-5000 series radios. • 3-digit HEX System ID (HSID) with verifiable written authorization required from SYSOP. • Utilized by both SYSOPs and Dealers/Contractors. But Dealers/Contractors must be permitted from SYSOP to order and use SKF. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • The *.SKF securely embeds/encrypts the HSID.		
OVER THE AIR PROGRAMMING (OTAP)		**EPL**	**LIST**
KPG-180AP	OTAP Manager Software (Windows® Vista/7/8/8.1/10) • License includes Fifty (50) radios / One(1) **NXDN** Conventional and Type-C **Air** Communication Profile and One(1) **NXDN** Conventional and Type-C **IP** Communication Profile ***Note:*** *- Requires KPT-300LMC for authentication* *- Radio to Radio OTAP for P25 Conventional system requires KWD-AP3-P25 license.*	663.00	884.00
SOFTWARE UPGRADE LICENSES FOR KPG-180AP			
Note: Includes package license for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP software. All additional licenses require KPT-300LMC for authentication.			
KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1,250.25	1,667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2,187.75	2,917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3,125.25	4,167.00

NEXEDGE® P25 DMR	NX-5200/5300	Table of Contents
	VHF/UHF Digital & FM Analog Portable Radios	

		EPL	LIST
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00
OVER THE AIR PROGRAMMING (OTAP) CON'T		**EPL**	**LIST**
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2) .	312.75	417.00
KWD-AP3-P25	P25 Radio to Radio Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as P25 Base Station Serial Interface for only Radio to Radio Communication.	600.00	800.00

-- IMPORTANT NOTES--
Base radios are connected to a computer using the KPG-36XM USB adapter for portables, or a KPG-46XM for mobiles.
Requires firmware version 1.4 or higher for the NX-5000 Series portables and mobiles
Requires firmware version 2.5 or higher for the NXR-x00/NXR-x10 repeaters.

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

SOFTWARE UPGRADE LICENSES FOR KAS-12
Note: Upgrade License attaches to one computer running KAS-12 software. All additional licenses require KPT-300LMC for authentication.

		EPL	LIST
KAS-12PRO	Add Battery Management with Database **Must require KAS-12K Battery Reader Software to upgrade** **Note:** - A Windows® PC may be required as a Database Server which KAS-12DU (Free) software is installed. - Requires KPT-300LMC for authentication	262.50	350.00

Offline Authentication Option		**EPL**	**LIST**
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License **Note:** *- Must purchase Radio Feature Licenses separately.* ***-** Can be used with only one (1) Account Registration Key.* *- Requires KPT-300LMC V1.10 or higher.* *- Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB.* ***Warranty Information:*** *- Damaged USB License Storage "KWD-OFL-USB"* *a. Remaining Licenses will not be warranted.*	152.25	203.00

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 Serial Port Profile (Required for DatA Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	26.25	35.00
KWD-5007RC	License Key for Remote Control by Subscriber Units **Note:** - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	30.00	40.00

P25 Radio Features		**EPL**	**LIST**
KWD-5100CV	License Key for P25 Conventional	431.25	575.00
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV)	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 Data **Note**: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	135.00	180.00

DMR Radio Features		**EPL**	**LIST**
KWD-5300CV	License Key for DMR Tier II Conventional	45.00	60.00

NX-5200/5300
VHF/UHF Digital & FM Analog Portable Radios

		EPL	LIST
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-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
ANTENNAS CON'T		**EPL**	**LIST**
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
KRA-27M3	UHF whip antenna 400-450 MHz	10.88	14.50
KRA-22M	VHF low-profile helical antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF low-profile helical antenna 136-150 MHz	10.50	14.00
KRA-23M	UHF low-profile helical antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF low-profile helical antenna 470-512 MHz	10.50	14.00
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	10.50	14.00
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	26.25	35.00
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	32.25	43.00
KRA-29	Broad Band UHF Whip Antenna 380-430 MHz	28.50	39.00
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-L1M	Li-ion 2000mAh (Compact Slim)	90.75	121.00
KNB-L2M	Li-ion 2600mAh (Standard)	106.50	142.00
KNB-L3M	Li-ion 3400mAh (High Capacity)	137.25	183.00
KNB-N4M	Ni-MH 2500mAh	110.25	147.00
KNB-LS5CU	CSA US Intrinsically Safe Battery Li-ion 2000mAh **Note:** Due to the I.S. circuitry on the KNB-LS5CU, the cells may lose charge during storage. To prevent loss of capacity during storage, charge the battery for 10 minutes at least every 4 months with the KSC-32, KSC-Y32K, KSC-326K or KSC-326AK. **[Intrinsically Safe Option]**	159.75	213.00
KNB-LS7M	CSA US Intrinsically Safe Battery Li-ion 3800mAh **Note:** Due to the I.S. circuitry on the KNB-LS7M, the cells may lose charge during storage. To prevent loss of capacity during storage, charge the battery for 10 minutes at least every 4 months with the KSC-32, KSC-Y32K, KSC-326K or KSC-326AK. **[Intrinsically Safe Option]**	230.25	307.00
KBP-8M	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. **Note**: The color of the case is International Orange.	81.00	108.00
KSC-Y32K	Rapid rate single unit charger (Long-Life Charge Mode capable with KAS-12 Software)	87.75	117.00
KSC-32	Rapid rate single unit charger	61.50	82.00
KSC-326AK	Rapid rate 6-unit charger	558.75	745.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	121.50	162.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	230.25	307.00
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-11	Spring action belt clip (2.5")	11.25	15.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	17.25	23.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case	28.50	38.00

NEXEDGE® P25 DMR	**NX-5200/5300** **VHF/UHF Digital & FM Analog Portable Radios**	Table of Contents	

KLH-200K3	Heavy duty leather carrying case for NX-5000 series with KNB-L1/L2/L3/LS5 (for both keypad models)	33.75	45.00
KLH-201K3	Nylon carrying case for NX-5000-series with KNB-L1/L2/L3/LS5 (for both keypad models)	20.25	27.00

SPECIAL COLOR HOUSING		**EPL**	**LIST**
KWD-YH-5000	Yellow Housing Kit for NX-5000 series Portables (Standard Key Model Only) Order **L-5024** for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood.) *Note: If you order only housing and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.*	30.00	41.00
KWD-OH-5000	Orange Housing Kit for NX-5000 series Portables (Standard Key Model Only) Order **L-5025** for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood.) *Note: If you order only housing and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.*	30.00	41.00

MICROPHONES & AUDIO ACCESSORIES CON'T		**EPL**	**LIST**
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with **Active Noise Reduction** **Note:** IP68 is avaialble only when used with NX-5000 series portable	99.75	133.00
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic **[Intrinsically Safe Option]**	76.50	102.00
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector **Note**: 5/16" Coax cable hex wrench included (antenna is not included). **[Intrinsically Safe Option]**	249.00	332.00
KEP-1	3.5mm earphone kit for KMC-41/42W/54W Speaker Mics **[Intrinsically Safe Option]**	39.75	53.00
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic **[Intrinsically Safe Option]**	39.75	53.00
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Option]**	165.00	220.00
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Option]**	120.00	160.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	141.00	188.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	96.00	128.00
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	321.00	428.00
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	281.25	375.00

ENCRYPTION & OPTION MODULES		**EPL**	**LIST**
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code **L-5003** if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.) KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1).	650.25	867.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code **L-5004** if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.) **Note**: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1)	421.50	562.00
KCT-48VU	External Vibration Unit **Note:** Audio accessories cannot be used when this option installed. KCT-48VU does not support the P25 digital mode calling or paging features **[Intrinsically Safe Option]**	54.00	72.00
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K **Authentication by KPT-300LMC is required** Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)	401.25	535.00

NEXEDGE® P25 DMR	NX-5200/5300	Table of Contents
	VHF/UHF Digital & FM Analog Portable Radios	

KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K	276.00	368.00
	Authentication by KPT-300LMC is required		
	Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1)		

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-36XM	Full Speed USB Programming interface cable	121.50	162.00
	Note: This cable with USB mode may used for SD Card Direct Access.		
KPG-93	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	201.00	268.00
KPG-93AUT	KVL-4000 Radio Authentication Cable	252.28	337.00
	Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.		
KWD-ASK-AK	Access Key for KPG-D1NK P25 trunked programming	159.75	213.00
	Notes: Enables P25 Trunked system programming privileges in a KPG-D1NK. • For NX-5000 series only. • Must be activated by trunked system operator (SYSOP) with KWD-ASK-MK Master Key. • Must have KPG-D1NK. • Configurable expiration period of KWD-ASK-AK set by KWD-ASK-MK is available for 3 years for built in battery. USB Key must be replaced since the expiration set up dose not work after 3 years.		
KWD-ASK-MK	Master Key for activating KWD-ASK-AK Access Keys	382.50	510.00
	- Restricted Purchase Requirements -		

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio)	90.00	120.00
L-5002	NX-5200/5300/5400 Programming (with basic TX/RX check)	28.13	37.50
L-5003	Install KWD-AE30K in NX-5000 series Portable (Must purchase module separately)	56.25	75.00
L-5004	Install KWD-AE31K in NX-5000 series Portable (Must purchase module separately)	56.25	75.00
L-5005	KPG-D1NK System Key File (SKF)	99.00	132.00
L-5024	Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	20.25	27.00
L-5025	Assemble Orange Housing KWD-OH-5000 with NX-5000 series Portable	20.25	27.00
L-5039	Configure NX-5200/5300/5400 for CSA US Intrinsically Safe **Must order KNB-LS5M I.S. battery**	25.50	34.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	37.50	50.00

-- IMPORTANT NOTES regarding ENCRYPTION MODULES--

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

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.

NEXEDGE®
P25 DMR

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

<Standard Key Model>   <Full Key Model>

All NX-5400 series portables include:
• Belt Clip (KBH-11)
• Universal Connector Cap
• User Guide
• Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

*Note: To maintain immersion specs (IP67/68), all warranty service must be done by one of the three National Kenwood Authorized Service Centers. IP67/68 Certification is valid under the 3 year premium warranty. No re-certification is available.

Due to spurious signal (birdie), the following frequencies (and ±10kHz ranges) are not allowed:
• 864.000

Approved by CSA-us International Inc. for Classes I, II & III, Div. 1, Groups D, E, F, G and are also approved for non-Incentive use in Class I, Div. 2, Groups A, B, C hazardous locations.
Note: Environmental conditions are less than 32ºF (0ºC), KENWOOD carrying caes must be used.

STANDARD

■ GENERAL FEATURES

• 3 W (700/800 MHz) Models
• 1024 CH-GID / 128 Zones
• Standard Key Models (w/o numeric keypad)
• Full Key Models (w/ numeric keypad)
• Full Color 1.74" (240 x 180 pixels)
  Transflective TFT Display
• Multi-line Text Display
• Function/Status Icons
• Multi-Language Display
• Date & 12/24 Hour Time Clock
• Transmit/Busy/Call Alert/Warn LED
• On/Off Volume Knob
• 16-Position Mechanical Selector (w/ a stopper)
• 4-way Directional-pad (D-pad)
• 2 Position Lever Switch
• Emergency/AUX Key
• 3 Side PF Keys
• 1W Speaker Audio
• Multi Digital Protocol [1]
• Emergency Call Features
• Built-in GPS Receiver / Antenna
• Built-in Bluetooth® 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

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.

■ 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
  (require KPG-180AP OTAP Manager Software)
• Paging Call
• Emergency Call
• All Group Call
• Status Messaging
• Remote Stun/Kill/Check
• Short & Long Data Messages
• GPS Location
• NXDN® Scrambler

■ DIGITAL – DMR MODE

• DMR Tier II Conventional
• 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
• Site Roaming

■ ANALOG MODE

• NPSPAC Channels
• Conventional Zones
• LTR® Zones
• FleetSync®/II: PTT ID ANI, Caller ID Display, Selective/Group Call, Emergency Status, Text Messages
• MDC-1200: PTT ID ANI, Caller ID Display, Emergency, Radio Check & Inhibit
• QT / DQT
• DTMF

OPTIONAL

■ GENERAL FEATURES

• 4000 Channel (KWD-5000CH License Key Activation required)
• Front Panel Programming (KWD-5001FP License Key Activation required)
• microSD/microSDHC Memory Card Slot (KWD-5002SD License Key Activation required)
• Built-in Bluetooth® Module for Data (KWD-5003BT License Key Activation required)
• Remote Control by Subscriber Units (KWD-5007RC License Key Activation required)
• 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 License Key Activation required)
• Phase 1 Trunking Features (KWD-5100CV & 5101TR License Keys Activation required)
• Phase 2 Trunking Features (KWD-5100CV & 5101TR & 5102TR License Keys Activation required)
• Conventional OTAR (KWD-5103RK License Key Activation required)
• Trunking OTAR (KWD-5103RK & 5106DT License Keys Activation required)
• Conventional Voting Scan (KWD-5105VT License Key Activation required)
• Packet Data required for Trunked OTAR/GPS (KWD-5106DT License Keys Activation required)

■ DIGITAL – DMR MODE

• DMR Tier 2 Conventional Features (KWD-5300CV License Key Activation required))

RADIO   **EPL   LIST**

NEXEDGE® P25 DMR

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

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NX-5400K2	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Standard Key Model	631.50	842.00
NX-5400K3	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Full Key Model	669.75	893.00

CSA US APPROVED MODELS		EPL	LIST
Must Order L-5039 & KNB-LS5M Intrinsically Safe Battery per radio *Note microSD card is not allowed to use as Intrinsically Safe Option.*			
NX-5400-ISCK2	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Standard Key Model	631.50	842.00
NX-5400-ISCK3	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Full Key Model	669.75	893.00

FIELD PROGRAMMING UNIT (FPU)		EPL	LIST
KPG-D1NK	License Key for KPG-D1NK Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1) *Note: Requires KPT-300LMC for authentication*	116.25	155.00
	P25 Trunked Programming Capability (licensed by either 1 or 2 below): **1. USB Key Type: Advanced System Key (ASK)- See KWD-ASK-MK and AK** • For NX-5000 series radios. • KWD-ASK-MK (Master Key): For trunked system operator (SYSOP). Required for activating KWD-ASK-AK Access keys. Securely embeds/encrypts the HSID. • KWD-ASK-AK (Access Key): For Dealers/contractors. Activated by KWD-ASK-MK Master Key. • KPG-D1NK supports up to 16 KWD-ASK-AK Access Keys (16 trunked networks).		
	2. Software Key Type: System Key File (SKF)- See L-5005 • For NX-5000 series radios. • 3-digit HEX System ID (HSID) with verifiable written authorization required from SYSOP. • Utilized by both SYSOPs and Dealers/Contractors. But Dealers/Contractors must be permitted from SYSOP to order and use SKF. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • The *.SKF securely embeds/encrypts the HSID.		

OVER THE AIR PROGRAMMING (OTAP)		EPL	LIST
KPG-180AP	OTAP Manager Software (Windows® Vista/7/8/8.1/10) • License includes Fifty (50) radios / One(1) **NXDN** Conventional and Type-C **Air** Communication Profile and One(1) **NXDN** Conventional and Type-C **IP** Communication Profile ***Note:*** *- Requires KPT-300LMC for authentication* *- Radio to Radio OTAP for* *P25 Conventional system* *requires* *KWD-AP3-P25* *license.*	663.00	884.00

SOFTWARE UPGRADE LICENSES FOR KPG-180AP			
KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1,250.25	1,667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2,187.75	2,917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3,125.25	4,167.00
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2)	187.50	250.00
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2)	312.75	417.00
KWD-AP3-P25	P25 Radio to Radio Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as P25 Base Station Serial Interface for only Radio to Radio Communication	600.00	800.00

-- IMPORTANT NOTES--

Base radios are connected to a computer using the KPG-36XM USB adapter for portables, or a KPG-46XM for mobiles.

Requires firmware version 1.4 or higher for the NX-5000 Series portables and mobiles

Requires firmware version 2.5 or higher for the NXR-x00/NXR-x10 repeaters.

NEXEDGE® P25 DMR
NX-5400
700/800MHz Digital & FM Analog Portable Radio

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

SOFTWARE UPGRADE LICENSES FOR KAS-12
Note: Upgrade License attaches to one computer running KAS-12 software. All additional licenses require KPT-300LMC for authentication.

		EPL	LIST
KAS-12PRO	Add Battery Management with Database **Must require KAS-12K Battery Reader Software to upgrade** **Note:** - A Windows® PC may be required as a Database Server which KAS-12DU (Free) software is installed. - Requires KPT-300LMC for authentication	262.50	350.00

Offline Authentication Option		EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License **Note:** - Must purchase Radio Feature Licenses separately. - Can be used with only one (1) Account Registration Key. - Requires KPT-300LMC V1.10 or higher. - Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB. **Warranty Information:** - Damaged USB License Storage "KWD-OFL-USB" - Remaining Licenses will not be warranted.	152.25	203.00

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 Serial Port Profile (Required for Date Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	26.25	35.00
KWD-5007RC	License Key for Remote Control by Subscriber Units **Note:** - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control.	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)	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 Data	135.00	180.00

DMR Radio Features		EPL	LIST
KWD-5300CV	License Key for DMR Tier II Conventional	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	27.00	36.00
KRA-36	700/800 MHz Stubby Antenna	19.50	26.00

BATTERIES AND CHARGERS		EPL	LIST
KNB-L1M	Li-ion 2000mAh (Compact Slim)	90.75	121.00
KNB-L2M	Li-ion 2600mAh (Standard)	106.50	142.00
KNB-L3M	Li-ion 3400mAh (High Capacity)	137.25	183.00
KNB-N4M	Ni-MH 2500mAh	110.25	147.00

NEXEDGE®
P25 DMR

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		EPL	LIST
KNB-LS5CU	CSA US Intrinsically Safe Battery Li-ion 2000mAh **Note:** Due to the I.S. circuitry on the KNB-LS5CU, the cells may lose charge during storage. To prevent loss of capacity during storage, charge the battery for 10 minutes at least every 4 months with the KSC-32, KSC-Y32K, KSC-326K or KSC-326AK. **[Intrinsically Safe Option]**	159.75	213.00
KNB-LS7M	CSA US Intrinsically Safe Battery Li-ion 3800mAh **Note:** Due to the I.S. circuitry on the KNB-LS7M, the cells may lose charge during storage. To prevent loss of capacity during storage, charge the battery for 10 minutes at least every 4 months with the KSC-32, KSC-Y32K, KSC-326K or KSC-326AK. **[Intrinsically Safe Option]**	230.25	307.00
KBP-8M	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. **Note**: The color of the case is International Orange.	81.00	108.00
KSC-Y32K	Rapid rate single unit charger (Long-Life Charge Mode capable with KAS-12 Software)	87.75	117.00
KSC-32	Rapid rate single unit charger	61.50	82.00
KSC-326AK	Rapid rate 6-unit charger	558.75	745.00
BATTERIES AND CHARGERS CON'T		*EPL*	*LIST*
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	121.50	162.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	230.25	307.00
CARRYING ACCESSORIES		*EPL*	*LIST*
KBH-11	Spring action belt clip (2.5")	11.25	15.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	17.25	23.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case	28.50	38.00
KLH-200K3	Heavy duty leather carrying case for NX-5000 series with KNB-L1/L2/L3/LS5	33.75	45.00
KLH-201K3	Nylon carrying case for NX-5000-series with KNB-L1/L2/L3/LS5	20.25	27.00
SPECIAL COLOR HOUSING		*EPL*	*LIST*
KWD-YH-5000	Yellow Housing Kit for NX-5000 series Portables (Standard Key Model Only) Order **L-5024** for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically	30.75	41.00
KWD-OH-5000	Orange Housing Kit for NX-5000 series Portables (Standard Key Model Only) Order **L-5025** for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically	30.75	41.00
MICROPHONES & AUDIO ACCESSORIES		*EPL*	*LIST*
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with **Active Noise Reduction** **Note**: IP68 is avaialble only when used with NX-5000 series portable **[Intrinsically Safe Option]**	99.75	133.00
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic **[Intrinsically Safe Option]**	76.50	102.00
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector **Note**: 5/16" Coax cable hex wrench included (antenna is not included).	249.00	332.00
KEP-1	3.5mm earphone kit for KMC-41/42W/54W Speaker Mics **[Intrinsically Safe Option]**	39.75	53.00
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic **[Intrinsically Safe Option]**	39.75	53.00
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Option]**	165.00	220.00
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Option]**	120.00	160.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **Note:** NOT compatible with TDMA operations	141.00	188.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **Note:** NOT compatible with TDMA operations	96.00	128.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT **Note:** NOT compatible with TDMA operations	321.00	428.00

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KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	281.25	375.00

ENCRYPTION & OPTION MODULES		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code **L-5003** if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.) KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1).	650.25	867.00

ENCRYPTION & OPTION MODULES CON'T		EPL	LIST
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code **L-5004** if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.) **Note**: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1)	421.50	562.00
KCT-48VU	External Vibration Unit **Note:** Audio accessories cannot be used when this option installed. KCT-48VU does not support the P25 digital mode calling or paging features **[Intrinsically Safe Option]**	54.00	72.00
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K **Authentication by KPT-300LMC is required** **Note**: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)	401.25	535.00
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K **Authentication by KPT-300LMC is required** **Note**: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1)	276.00	368.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-36XM	Full Speed USB Programming interface cable **Note:** This cable with USB mode may be used for SD Card Direct Access.	121.50	162.00
KPG-93	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	201.00	268.00
KPG-93AUT	KVL-4000 Radio Authentication Cable **Note:** Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	252.75	337.00
	Access Key for KPG-D1NK P25 trunked programming **Notes:** Enables P25 Trunked system programming privileges in a KPG-D1NK.	159.75	213.00
KWD-ASK-MK	Master Key for activating KWD-ASK-AK Access Keys **- Restricted Purchase Requirements -** **Notes:** • For NX-5000 series only. • Sold to trunked system operator (SYSOP) or SYSOP authorized entities only • Must have KPG-D1NK • SYSOP must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools.		500.00

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) **Note:** Must purchase Radio Feature Licenses separately.	90.00	120.00
L-5002	NX-5200/5300/5400 Programming (with basic TX/RX check)	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

NEXEDGE®
P25 DMR

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

L-5005	KPG-D1NK System Key File (SKF) **Note**: Enables P25 Trunked system programming privileges in a KPG-D1NK. **- Restricted Purchase Requirements -** • Trunked system operator (SYSOP) must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Must have KPG-D1NK. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • Non-SYSOP entities ordering L-5005 must provide verifiable written authorization from SYSOP to receive an *.SKF file.	99.00	132.00
L-5024	Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	20.25	27.00
L-5025	Assemble Orange Housing KWD-OH-5000 with NX-5000 series Portable	20.25	27.00
L-5039	Configure NX-5200/5300/5400 for CSA US Intrinsically Safe **Must order KNB-LS5M I.S. battery**	25.50	34.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	37.50	50.00

-- IMPORTANT NOTES regarding ENCRYPTION MODULES--

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

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.

NEXEDGE®
DMR

NX-3200/3300

VHF/UHF Digital & FM Analog Portable Radios

Basic　　Standard Key　　Full Key

All NX-3000 series portables include:
• Belt Clip (KBH-11)
• Acccessory Cover
• Channel Stopper
• User Guide
• Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

*Note: To maintain immersion specs (IP67), all warranty service must be done by one of the three National Kenwood Authorized Service Centers. IP67 Certification is valid under the 3 year premium warranty. No re-certification is available.

Because of spurious signal (birdie), the following frequencies (and ±7.5kHz ranges) are not allowed ;		
• 139.2000	• 403.2000	• 460.8000
• 144.0000	• 408.0000	• 465.6000
• 148.8000	• 412.8000	• 470.4000
• 153.6000	• 417.6000	• 475.2000
• 158.4000	• 422.4000	• 480.0000
• 160.0000	• 427.2000	• 484.8000
• 163.2000	• 432.0000	• 489.6000
• 168.0000	• 436.8000	• 494.4000
• 172.8000	• 441.6000	• 499.2000
	• 446.4000	• 504.0000
	• 451.2000	• 508.8000
	• 456.0000	• 513.6000

STANDARD

■ GENERAL FEATURES
• 5 W (136-174 MHz) Models
• 5 W (400-520 MHz) Models
• 512 CH-GID / 128 Zones
• 64 CH-GID / 4 Zones (For Basic Models)
• Basic Models (w/o LCD and keypad)
• Standard Keypad Models (w/ LCD and D-pad/4key)
• Full Keypad Models (w/ LCD and D-pad/12 key)
• 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide)
• 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
• Multi-Language Display
• Date & 12/24 Hour Time Clock
• 7-color Light Bar Indicator
• Transmit/Busy/Call Alert/Warn LED
• Remote Stun/Kill/Check
• On/Off Volume Knob
• 16-Position Mechanical Selector
• 4-way Directional-pad (For Standard/Full Keypad)
• Emergency Key
• 2 Side PF Keys
• 1W Speaker Audio
• Dual Digital Protocol[1]
• Emergency Call Features
• Built-in GPS Receiver / Antenna
• Built-in Bluetooth® Module
• Built-in Motion Sensor
• Active Noise Reduction (ANR)
• KPG-D3N Windows® FPU
• Flash Firmware Upgrading
• Optional Software-based DES and AES . Encryptions (Digital Only)
• MIL-STD-810 C/D/E/F/G
• IP54/55[2] Water & Dust Intrusion
• IP67[2] Immersion

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

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

■ DIGITAL – DMR MODE
• DMR Tier II Conventional Standard
• AMBE+2™VOCODER
• 12.5 kHz Channels
• Site Roaming
• Call Interrupt (Direct & Repeater Mode)
• Paging Call
• Emergency Call
• All Group Call
• Late Entry
• Status Messaging
• Remote Control by Subscriber Units
• ARC4 Encryption (Option)

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

OPTIONAL FEATURES

• 1000 Channel (**KWD-3000CH** License Key Activation required)
• Front Panel Programming (**KWD-3001FP** License Key Activation required)
• Built-in Bluetooth® Module for Data (**KWD-3002BT** License Key Activation required)
• Digital Trunking (**KWD-3501TR** License Key Activation required)
• DMR ARC4 Enhanced Encryption (**KWD-3502EE** License Key Activation required)
• AES/DES Encryption (**KWD-3503AE** License Key Activation required)
• Remote Control by Subscriber Units (**KWD-3504RC** Software License Key required)

RADIO		EPL	LIST
NX-3200K	VHF (136-174MHz), 5.0 Watts, 64 CH, Non LCD and Non Keypad Model	452.25	603.00
NX-3200K2	VHF (136-174MHz), 5.0 Watts, 512 CH, LCD and D-pad / 4Key Model	491.25	655.00
NX-3200K3	VHF (136-174MHz), 5.0 Watts, 512 CH, LCD and D-pad / 12 Key Model	528.75	705.00
NX-3300K	UHF (400-520MHz), 5.0 Watts, 64 CH, Non LCD and Non Keypad Model	452.25	603.00
NX-3300K2	UHF (400-520MHz), 5.0 Watts, 512 CH, LCD and D-pad / 4Key Model	491.25	655.00
NX-3300K3	UHF (400-520MHz), 5.0 Watts, 512 CH, LCD and D-pad / 12 Key Model	528.75	705.00

NX-3200/3300
VHF/UHF Digital & FM Analog Portable Radios

NEXEDGE® DMR

		EPL	LIST
Li-ion VALUE PACKAGES (Preferred for Trunked Mode Usage)			
NX-3200K2-XLKVP	VHF Extra-Cap Li-Ion Value Pack : NX-3200K2+KNB-78LM(2860mAh)+KSC-25LSK+KRA-26M	639.00	852.00
NX-3300K2-XLKVP	UHF Extra-Cap Li-Ion Value Pack : NX-3300K2+KNB-78ML(2860mAh)+KSC-25LSK+KRA-27M	639.00	852.00
NX-3200K2-LKVP	VHF Hi-Cap Li-Ion Value Pack (NX-3200K2+KNB-57LAM+KSC-25LSK+KRA-26M)	615.00	820.00
NX-3300K2-LKVP	UHF Hi-Cap Li-Ion Value Pack (NX-3300K2+KNB-57LAM+KSC-25LSK+KRA-27M)	615.00	820.00

         NX-3200・3300

NEXEDGE DMR

NX-3200/3300

VHF/UHF Digital & FM Analog Portable Radios

		EPL	LIST
Li-ion VALUE PACKAGES (Preferred for Conventional Mode Usage)			
NX-3200K2-SLKVP	VHF Li-Ion Value Pack (NX-3200K2+KNB-55LAM+KSC-25LSK+KRA-26M)	587.25	783.00
NX-3300K2-SLKVP	UHF Li-Ion Value Pack (NX-3300K2+KNB-55LAM+KSC-25LSK+KRA-27M)	587.25	783.00
CSA US APPROVED MODELS		**EPL**	**LIST**
NX-3200-ISCK	VHF (136-174MHz), 5.0 Watts, 64 CH, Basic Model	452.25	603.00
NX-3200-ISCK2	VHF (136-174MHz), 5.0 Watts, 512 CH, Standard Key Model	491.25	655.00
NX-3200-ISCK3	VHF (136-174MHz), 5.0 Watts, 512 CH, Full Key Model	528.75	705.00
NX-3300-ISCK	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model	452.25	603.00
NX-3300-ISCK2	UHF (400-520MHz), 5.0 Watts, 512 CH, Standard Key Model	491.25	655.00
NX-3300-ISCK3	UHF (400-520MHz), 5.0 Watts, 512 CH, Full Key Model	528.75	705.00
Note: KNB-68LC for NX-x20 series cannot be used with NX-3000 series as an Intrinsically Safe battery.			

Field Programming Unit (FPU)		**EPL**	**LIST**
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile *Note: Requires KPT-300LMC for authentication*	116.25	155.00

Over The Air Programming (OTAP)		**EPL**	**LIST**
KPG-180AP	Licence Key for KPG-180AP OTAP Manager Software • License includes Fifty (50) radios / One(1) **NXDN** Conventional and Type-C **Air** Communication Profile and One(1) **NXDN** Conventional and Type-C **IP** Communication Profile *Note:* *- Requires KPT-300LMC for authentication*	663.00	884.00
SOFTWARE UPGRADE LICENSES FOR KPG-180AP			
Note: Includes package license for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP software. All additional licenses require KPT-300LMC for authentication.			
KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1,250.25	1,667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2,187.75	2,917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3,125.25	4,167.00

NEXEDGE DMR	**NX-3200/3300**	Table of Contents
	VHF/UHF Digital & FM Analog Portable Radios	

Over The Air Programming (OTAP), CON'T		EPL	LIST
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2) .	312.75	417.00

-- IMPORTANT NOTES--
Base radios are connected to a computer using the KPG-36XM USB adapter for portables, or a KPG-46XM for mobiles.
Requires firmware version 2.5 or higher for the NXR-x00/NXR-x10 repeaters.

Offline Authentication Option		EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License **Note:** *- Must purchase Radio Feature Licenses separately.* **-** *Can be used with only one (1) Account Registration Key.* *- Requires KPT-300LMC V1.10 or higher.* *- Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB.* **Warranty Information:** *- Damaged USB License Storage "KWD-OFL-USB"* *a. Remaining Licenses will not be warranted.*	150.00	200.00

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
KWD-3002BT	License Key for Bluetooth Serial Port Profile (Required for Data Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	78.75	35.00
KWD-3302TR	License Key for DMR Tier 3 Trunking	75.00	100.00
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C and Type-C Gen2)	31.28	41.70
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
KWD-3503AE	License Key for AES/DES Encryption **Note:** 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	337.50	450.00
KWD-3504RC	License Key for Remote Control by Subscriber Unit **Note:** - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmition of Remote Control commands. - PC or unit for Remote Control does **NOT** require the license.	30.00	40.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00

ANTENNAS		EPL	LIST
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.50	14.00
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF Low-profile helical antenna 470-512 MHz	10.50	14.00
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	10.50	14.00
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
KRA-27M3	UHF whip antenna 400-450 MHz	10.88	14.50

NX-3200/3300
VHF/UHF Digital & FM Analog Portable Radios

		EPL	LIST
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	26.25	35.00
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	32.25	43.00

BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-78LM	3000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	100.50	134.00
KNB-57LAM	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	76.50	102.00
KNB-55LAM	1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	48.75	65.00
KNB-56N	1400 mAh, Ni-MH battery	61.50	82.00
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh **[Intrinsically Safe Option]**	123.75	165.00
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	37.50	50.00
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC Li-ion Battery	36.75	49.00
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC	47.25	63.00
KSC-256AK	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L/68LC	558.75	745.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	45.75	61.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	132.75	177.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	186.00	248.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	230.25	307.00

CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-11	Spring action belt clip (2.5")	11.25	15.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-206K	Heavy-Duty Leather Case w/Swivel Belt Loop for Basic Model	37.50	50.00
KLH-206K2	Heavy-Duty Leather Case w/Swivel Belt Loop for Standard Keypad Model	37.50	50.00
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Kyepad Model	37.50	50.00
KLH-207K	Nylon carrying case for Basic Model	20.25	27.00
KLH-207K2	Nylon carrying case for Standard Keypad Model	20.25	27.00
KLH-207K3	Nylon carrying case for Full Keypad Model	20.25	27.00

SPECIAL COLOR HOUSING		**EPL**	**LIST**
KWD-YH-3000U	Yellow Housing Kit for NX-3x00 series Portables (Standard Key Model Only) Must order **L-5068** for Factory Install. Eligible for warranty of IP67 immersion.	30.75	41.00

MICROPHONES & AUDIO ACCESSORIES		**EPL**	**LIST**
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with **Active Noise Reduction** **Note:** IP68 is avaialble only when used with NX-5000 series portable **[Intrinsically Safe Option]**	99.75	133.00
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic **[Intrinsically Safe Option]**	76.50	102.00
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector **Note**: 5/16" Coax cable hex wrench included (antenna is not included). **[Intrinsically Safe Option]**	191.25	255.00
KEP-1	3.5mm earphone kit for KMC-41/42W/54W Speaker Mics	39.75	53.00
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black)	120.00	160.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **Note:** NOT compatible with TDMA operations	141.00	188.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **Note:** NOT compatible with TDMA operations	96.00	128.00
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT **Note:** NOT compatible with TDMA operations	321.00	428.00

NX-3200/3300

VHF/UHF Digital & FM Analog Portable Radios

		EPL	LIST
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT	281.25	375.00
OPTION MODULES		**EPL**	**LIST**
KCT-48VU	External Vibration Unit **[Intrinsically Safe Approved Accessory]** **Note:** Audio accessories cannot be used when this option installed	54.00	72.00
SERVICE RELATED ACCESSORIES		**EPL**	**LIST**
KPG-36XM	Full Speed USB Programming interface cable	121.50	162.00

INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio) **Note:** Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory	90.00	120.00
L-5052	NX-3200/3300 Programming (with basic TX/RX check)	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Moble	18.75	25.00
L-5062	Configure NX-3000 series for CSA US Intrinsically Safe **Note:** NX-3000 series I.S. radios must be used with matching I.S. battery KNB-79LCM.	25.50	34.00
L-5068	Assemble Yellow Housing KWD-YH-3000U/P with NX-3000 series Portable	20.25	27.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

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

NEXEDGE® DMR

NX-3400
800/900MHz Digital & FM Analog Portable Radio

All NX-3000 series portables include:
• Belt Clip (KBH-11)
• Antenna (KRA-38K)
• Acccessory Cover
• Channel Stopper
• User Guide
• Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery and Charger separately

*Note:
1. To meet IP grades and MIL, the universal connector cap or KENWOOD official accessory must be installed/connected.
2. To maintain immersion specs (IP67/68), 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

Because of spurious signal (birdie), the following frequencies (and ±6.25kHz ranges) are not allowed :

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

STANDARD

■ GENERAL FEATURES
• 3 W (806-941 MHz) Model
• 512 CH-GID / 128 Zones
• Full Keypad Model (w/ LCD and D-pad/12 key)
• 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide)
• 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
• Multi-Language Display
• Date & 12/24 Hour Time Clock
• 7-color Light Bar Indicator
• Transmit/Busy/Call Alert/Warn LED
• Remote Stun/Kill/Check
• On/Off Volume Knob
• 16-Position Mechanical Selector
• 4-way Directional-pad (For Standard/Full Keypad)
• Emergency Key
• 2 Side PF Keys
• 1W Speaker Audio
• Dual Digital Protocol[1]
• Emergency Call Features
• Built-in GPS Receiver / Antenna
• Built-in Bluetooth® 4.0 Module
• Built-in Motion Sensor
• Active Noise Reduction (ANR)
• KPG-D3N Windows® FPU
• Flash Firmware Upgrading
• Optional Software-based DES and AES . Encryptions (Digital Only)
• MIL-STD-810 C/D/E/F/G
• IP54/55[2] Water & Dust Intrusion
• IP67[2] Immersion
• Digital Encode/Decode Format

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

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

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

■ 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)

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

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

RADIO		EPL	LIST
NX-3400K3	800/900MHz, 3.0 Watts, 512 CH, Full Key Model, NXDN Conv & Trunking	650.25	867.00
CSA US APPROVED MODELS		EPL	LIST

NEXEDGE® DMR

NX-3400
800/900MHz Digital & FM Analog Portable Radio

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

NX-3400-ISCK3	800/900MHz, 3.0 Watts, 512 CH, Full Key Model, NXDN Conv & Trunking	650.25	867.00

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

NEXEDGE® DMR

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NX-3400
800/900MHz Digital & FM Analog Portable Radio

LICENSING SYSTEM   *EPL*   *LIST*

Note: KPT-300LMC is compatible with Windows Vista/7/8/8.1/10 Only. Windows XP is not

KPT-300LMC
License Management Client

KPT-300LMC is a required software package that is used to authenticate **software** (FPU) and **radio feature license** keys.

KPT-300LMC is available as a free download from Kenwood Tools and is also supplied with applicable software, such as KPG-D3NK.

NOTE: A license key is required for the KPT-300LMC to authenticate the software / Radio Feature prior to use. To receive a license key, complete the enclosed "**Account Request Form**" and return to the Land Mobile Order Desk.

KPT-300LMC	License Management Client	NC
L-5000	Account Registration Key **Note:** specify the number of PC's used for Radio Feature License Activation.	NC

SOFTWARE LICENSING OPTIONS   *EPL*   *LIST*

TO PLACE AN ORDER FOR SOFTWARE:
1. **Complete the attached Software License Keys Request Form.**
2. **Submit along with your PO to the Land Mobile Order Desk via:**
   a) **E-Mail: lmrorderdesk@us.jvckenwood.com**
   b) **Fax: (310) 761-8246**
3. **License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.**

Note: A unique license key is required for each PC with software installed. A single license key will not authorize multiple PCs.

Software License Key Discount Structure

1 License Key	**---**
2 ~ 4 License Keys	**10% OFF**
5 ~ 14 License Keys	**35% OFF**
15 ~ 24 License Keys	**40% OFF**
25+ License Keys	**45% OFF**

NEXEDGE® DMR

NX-3400

800/900MHz Digital & FM Analog Portable Radio

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Field Programming Unit (FPU)		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile ***Note:*** *Requires KPT-300LMC for authentication*	116.25	155.00

Over The Air Programming (OTAP)		EPL	LIST
KPG-180AP	Licence Key for KPG-180AP OTAP Manager Software • License includes Fifty (50) radios / One(1) **NXDN** Conventional and Type-C **Air** Communication Profile and One(1) **NXDN** Conventional and Type-C **IP** Communication Profile ***Note:*** - *Requires KPT-300LMC for authentication*	663.00	884.00

SOFTWARE UPGRADE LICENSES FOR KPG-180AP

Note: Includes package license for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP software. All additional licenses require KPT-300LMC for authentication.

KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1250.25	1667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2187.75	2917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3125.25	4167.00

Over The Air Programming (OTAP), CON'T		EPL	LIST
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2) .	312.75	417.00

-- IMPORTANT NOTES--

Base radios are connected to a computer using the KPG-36XM USB adapter for portables, or a KPG-46XM for mobiles.
Requires firmware version 2.5 or higher for the NXR-x00/NXR-x10 repeaters.

Requires firmware version 1.0 or higher for the NXR-5xxx repeaters.

Encryption Software Keyloaders		EPL	LIST
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	401.25	535.00
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	276.00	368.00

RADIO FEATURE LICENSE OPTIONS

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

* TO PLACE AN ORDER FOR RADIO FEATURE LICENSES:
1. **Complete the attached Radio Feature License Keys Request Form.**
2. **Submit the completed form along with your PO to the Land Mobile Order Desk via:**
   a) **E-Mail: lmrorderdesk@us.jvckenwood.com**
   b) **Fax: (310) 761-8246**
3. **License Keys will be E-mailed to the address provided on the request form. A hard copy will follow by mail for your records.**

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.

NEXEDGE® DMR
NX-3400
800/900MHz Digital & FM Analog Portable Radio

Offline Authentication Option		EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License **_Note:_** _- Must purchase Radio Feature Licenses separately._ **_-_** _Can be used with only one (1) Account Registration Key._ _- Requires KPT-300LMC V1.10 or higher._ _- Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB._ **_Warranty Information:_** _- Damaged USB License Storage "KWD-OFL-USB"_ _a. Remaining Licenses will not be warranted._ _b. Licenses not uploaded to the License Management Server will not be warranted._	152.25	203.00

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
KWD-3002BT	License Key for Bluetooth Data (Required for Data Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	26.25	35.00
KWD-3301CV	License Key for DMR Tier 2 Conventional & S-Trunking	31.50	42.00
KWD-3302TR	License Key for DMR Tier 3 Trunking (Requires KWD-3301CV)	75.00	100.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
KWD-3503AE	License Key for AES/DES Encryption **Note:** 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	337.50	450.00
KWD-3504RC	License Key for Remote Control by Subscriber Unit **Note:** - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmition of Remote Control commands. - PC command for Remote Control does **NOT** require the license.	30.00	40.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00

ANTENNAS		EPL	LIST
KRA-32K	700/800 MHz Whip Antenna	27.00	36.00
KRA-36	700/800 MHz Stubby Antenna	19.50	26.00
KRA-38K	800/900 MHz Whip Antenna	27.00	36.00
KRA-39	900 MHz Stubby Antenna	19.50	26.00

NX-3400
800/900MHz Digital & FM Analog Portable Radio

BATTERIES AND CHARGERS		EPL	LIST
KNB-78LM	2860 mAh, Li-ion battery, IP67, battery only, best for trunked mode operation	100.50	134.00
KNB-57LAM	2000 mAh, Li-ion battery, IP67, battery only, best for conventional mode operation	76.50	102.00
KNB-55LAM	1480 mAh, Li-ion battery, IP67, battery only	48.75	65.00
KNB-56N	1400 mAh, Ni-MH battery, IP67, battery only	61.50	82.00
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh, IP67, battery only **[Intrinsically Safe Option]**	123.75	165.00

BATTERIES AND CHARGERS, CON'T		EPL	LIST
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	37.50	50.00
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC/78LM/79LCM Li-ion Battery	36.75	49.00
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC/78LM/79LCM	47.25	63.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	132.75	177.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	186.00	248.00
KSC-256AK	Rapid rate 6-Unit charger for KNB-26N/55L/56N/57L/68LC/78LM/79LCM	558.75	745.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	45.75	61.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25SK chargers (chargers not included) *KSC-25**L**SK is not compatible with KVC-4.	89.25	119.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	230.25	307.00

CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	11.25	15.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	37.50	50.00
KLH-207K3	Nylon carrying case for Full Keypad Model	20.25	27.00

MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
IP grades for microphones and audio accessories are decided by each item.			
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector **Note**: 5/16" Coax cable hex wrench included (antenna is not included).	191.25	255.00
KMC-70M	MIL-SPEC, IP54/55/67/68* Speaker Mic with **Active Noise Reduction** **Note:** IP68 is avaialble only when used with NX-5000 series portable **[Intrinsically Safe Option]**	99.75	133.00
KMC-72W	MIL-SPEC, IP54/55/67 Noise-cancelling Speaker Mic **[Intrinsically Safe Option]**	76.50	102.00
KEP-1	3.5mm earphone kit for KMC-41/42W/54W/70M/72W Speaker Mics **[Intrinsically Safe Option]**	39.75	53.00
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Option]**	120.00	160.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **Note:** Not compatible with TDMA operations **[Intrinsically Safe Option]**	141.00	188.00

NEXEDGE® DMR

NX-3400
800/900MHz Digital & FM Analog Portable Radio

MICROPHONES & AUDIO ACCESSORIES, CON'T		EPL	LIST
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT	96.00	128.00
	Note: Not compatible with TDMA operations		
	[Intrinsically Safe Option]		
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT	321.00	428.00
	[Intrinsically Safe Option]		
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT	281.25	375.00
	[Intrinsically Safe Option]		

OPTION MODULES		EPL	LIST
KCT-48VU	External Vibration Unit	54.00	72.00
	Note: Audio accessories cannot be used when this option installed.		

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-36XM	Full Speed USB Programming interface cable	121.50	162.00

INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio)	90.00	120.00
	Note: Must purchase Radio Feature Licenses separately.		
	KPT-300LMC's History Menu will not display the Radio Features activated by Factory.		
L-5052	NX-3000 Series Portables Programming (with basic TX/RX check)	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Moble	18.75	25.00
L-5062	Configure NX-3000 series for CSA US Intrinsically Safe	25.50	34.00
	Note: NX-3000 series I.S. radios must be used with matching I.S. battery KNB-79LCM.		

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

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

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

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

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

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

NEXEDGE® DMR

NX-3220/3320

VHF/UHF Digital & FM Analog Portable Radios

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

All NX-3000 series portables include:
• Belt Clip (KBH-11)
• 2-PIN Acccessory Cover
• Channel Stopper
• User Guide
• Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

*Note: To maintain immersion specs (IP67), all warranty service must be done by one of the three National Kenwood Authorized Service Centers. IP67 Certification is valid under the 3 year premium warranty. No re-certification is available.

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

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

STANDARD

■ GENERAL FEATURES
• 5 W (136-174 MHz) Models
• 5 W (400-520 MHz) Models
• 260 CH-GID / 128 Zones
• 64 CH-GID / 4 Zones (For Basic Models)
• Basic Models (w/o LCD and keypad)
• Standard Keypad Models (w/ LCD and D-pad/4key)
• Full Keypad Models (w/ LCD and D-pad/12 key)
• 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide)
• 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
• Multi-Language Display
• Date & 12/24 Hour Time Clock
• 7-color Light Bar Indicator
• Transmit/Busy/Call Alert/Warn LED
• Remote Stun/Kill/Check
• On/Off Volume Knob
• 16-Position Mechanical Selector
• 4-way Directional-pad (For Standard/Full Keypad)
• Emergency Key
• 2 Side PF Keys
• 1W Speaker Audio
• Dual Digital Protocol[1]
• Emergency Call Features
• Built-in GPS Receiver / Antenna
• Built-in Bluetooth® Module
• Built-in Motion Sensor
• Active Noise Reduction (ANR)
• KPG-D3N Windows® FPU
• Flash Firmware Upgrading
• Software DES and AES Encryptions (Digital Only)
• MIL-STD-810 C/D/E/F/G
• IP54/55[2] Water & Dust Intrusion
• IP67[2] Immersion

1. Designed to operate digital, DMR OR NXDN, along with analog FM; a single digital protocol is selected with programmign software.
*2. Must equip **2-PIN Accessory Cover** included with a*

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

■ DIGITAL – DMR MODE
• DMR Tier II Conventional Standard
• AMBE+2™VOCODER
• 12.5 kHz Channels
• Site Roaming
• Call Interrupt (Direct & Repeater Mode)
• Paging Call
• Emergency Call
• All Group Call
• Late Entry
• Status Messaging
• Remote Control by Subscriber Units
• ARC4 Encryption

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

OPTIONAL FEATURES

• 1000 Channel (**KWD-3000CH** License Key Activation required)
• Front Panel Programming (**KWD-3001FP** License Key Activation required)
• Built-in Bluetooth® Module for Data (**KWD-3002BT** License Key Activation required)
• Digital Trunking (**KWD-3501TR** License Key Activation required)
• DMR ARC4 Enhanced Encryption (**KWD-3502EE** License Key Activation required)
• AES/DES Encryption (**KWD-3503AE** License Key Activation required)
• Remote Control by Subscriber Units (**KWD-3504RC** Software License Key required)

RADIO		EPL	LIST
NX-3220K	VHF (136-174MHz), 5.0 Watts, 64 CH, Non LCD and Keypad Model	360.00	480.00
NX-3220K2	VHF (136-174MHz), 5.0 Watts, 260CH, LCD and D-pad / 4Key Model	423.75	565.00
NX-3220K3	VHF (136-174MHz), 5.0 Watts, 260CH, LCD and D-pad / 12 Key Model	461.25	615.00
NX-3320K	UHF (400-520MHz), 5.0 Watts, 64 CH, Non LCD and Non Keypad Model	360.00	480.00
NX-3320K2	UHF (400-520MHz), 5.0 Watts, 260CH, LCD and D-pad / 4Key Model	423.75	565.00
NX-3320K3	UHF (400-520MHz), 5.0 Watts, 260CH, LCD and D-pad / 12 Key Model	461.25	615.00

NEXEDGE® DMR

NX-3220/3320
VHF/UHF Digital & FM Analog Portable Radios

RADIO TRUNKING PACKAGE		EPL	LIST
NX-3220K-TR	VHF (136-174MHz), 5.0 Watts, 64 CH, Basic Model with Digital Trunking	378.75	505.00
NX-3220K2-TR	VHF (136-174MHz), 5.0 Watts, 260CH, Standard Key Model with Digital Trunking	442.50	590.00
NX-3220K3-TR	VHF (136-174MHz), 5.0 Watts, 260CH, Full Key Model with Digital Trunking	480.00	640.00
NX-3320K-TR	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model with Digital Trunking	378.75	505.00
NX-3320K2-TR	UHF (400-520MHz), 5.0 Watts, 260CH, Standard Key Model with Digital Trunking	442.50	590.00
NX-3320K3-TR	UHF (400-520MHz), 5.0 Watts, 260CH, Full Key Model with Digital Trunking	480.00	640.00
Li-ion VALUE PACKAGES (Preferred for Trunked Mode Usage)		**EPL**	**LIST**
NX-3220K2-XLKVP	VHF Extra-Cap Li-Ion Value Pack : NX-3220K2+KNB-78LM(2860mAh)+KSC-25LSK+KRA-26M	571.50	762.00
NX-3320K2-XLKVP	UHF Extra-Cap Li-Ion Value Pack : NX-3320K2+KNB-78LM(2860mAh)+KSC-25LSK+KRA-27M	571.50	762.00
NX-3220K2-LAKVP	VHF Hi-Cap Li-Ion Value Pack (NX-3220K2+KNB-57LAM+KSC-25LSK+KRA-26M)	547.50	730.00
NX-3320K2-LAKVP	UHF Hi-Cap Li-Ion Value Pack (NX-3320K2+KNB-57LAM+KSC-25LSK+KRA-27M)	547.50	730.00
Li-ion VALUE PACKAGES (Preferred for Conventional Mode Usage)			**LIST**
NX-3220KSLAKVP	VHF Li-Ion Value Pack : NX-3220K+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-26M	456.00	608.00
NX-3220K2-SLAKVP	VHF Li-Ion Value Pack (NX-3220K2+KNB-55LAM+KSC-25LSK+KRA-26M)	519.75	693.00
NX-3220K3SLAKVP	VHF Li-Ion Value Pack : NX-3220K3+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-26M	557.25	743.00
NX-3320KSLAKVP	UHF Li-Ion Value Pack : NX-3320K+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-27M	456.00	608.00
NX-3320K2-SLAKVP	UHF Li-Ion Value Pack (NX-3320K2+KNB-55LAM+KSC-25LSK+KRA-27M)	519.75	693.00
NX-3320K3SLAKVP	UHF Li-Ion Value Pack : NX-3320K3+KNB-55LAM(1480mAh)+KSC-25LSK+KRA-27M	557.25	743.00
CSA US APPROVED MODELS		**EPL**	**LIST**
Must Order L-5062 & KNB-79LCM Intrinsically Safe Battery per radio			
NX-3220-ISCK	VHF (136-174MHz), 5.0 Watts, 64 CH, Basic Model	360.00	480.00
NX-3220-ISCK2	VHF (136-174MHz), 5.0 Watts, 512 CH, Standard Key Model	423.75	565.00
NX-3220-ISCK3	VHF (136-174MHz), 5.0 Watts, 512 CH, Full Key Model	461.25	615.00
NX-3320-ISCK	UHF (400-520MHz), 5.0 Watts, 64 CH, Basic Model	360.00	480.00
NX-3320-ISCK2	UHF (400-520MHz), 5.0 Watts, 512 CH, Standard Key Model	423.75	565.00
NX-3320-ISCK3	UHF (400-520MHz), 5.0 Watts, 512 CH, Full Key Model	461.25	615.00

Note: KNB-68LC for NX-x20 series cannot be used with NX-3000 series as an Intrinsically Safe battery.

Field Programming Unit (FPU)		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile ***Note:*** *Requires KPT-300LMC for authentication*	116.25	155.00

Over The Air Programming (OTAP)		EPL	LIST
KPG-180AP	Licence Key for KPG-180AP OTAP Manager Software • License includes Fifty (50) radios / One(1) **NXDN** Conventional and Type-C **Air** Communication Profile and One(1) **NXDN** Conventional and Type-C **IP** Communication Profile ***Note:*** *- Requires KPT-300LMC for authentication*	663.00	884.00

SOFTWARE UPGRADE LICENSES FOR KPG-180AP

Note: Includes package license for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP software. All additional licenses require KPT-300LMC for authentication.

KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1,250.25	1,667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2,187.75	2,917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3,125.25	4,167.00
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00

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NEXEDGE DMR	**VHF/UHF Digital & FM Analog Portable Radios**	

KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	312.75	417.00

-- IMPORTANT NOTES--
Base radios are connected to a computer using the KPG-22UM USB adapter for portables, or a KPG-46XM for mobiles.
Requires firmware version 2.5 or higher for the NXR-x00/NXR-x10 repeaters.

Encryption Software Keyloaders		*EPL*	*LIST*
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE	393.75	525.00
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication - KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	276.00	368.00

Offline Authentication Option		*EPL*	*LIST*
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License *Note:* *- Must purchase Radio Feature Licenses separately.* *- Can be used with only one (1) Account Registration Key.* *- Requires KPT-300LMC V1.10 or higher.* *- Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB.* *Warranty Information:* *- Damaged USB License Storage "KWD-OFL-USB"* *a. Remaining Licenses will not be warranted.*	152.25	203.00

Radio Features		*EPL*	*LIST*
KWD-3000CH	License Key for 1000 Channel Expansion	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
KWD-3002BT	License Key for Bluetooth Serial Port Profile (Required for Data Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	26.25	35.00
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C and Type-C Gen2)	31.28	41.70
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00

Radio Features, CON'T		*EPL*	*LIST*
KWD-3503AE	**Note:** 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	337.50	450.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00
KWD-3504RC	License Key for Remote Control by Subscriber Unit	30.00	40.00

ANTENNAS		*EPL*	*LIST*
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.50	14.00
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF Low-profile helical antenna 470-512 MHz	10.50	14.00
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	10.50	14.00
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
KRA-27M3	UHF whip antenna 400-450 MHz	10.88	14.50
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	26.25	35.00
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	32.25	43.00

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VHF/UHF Digital & FM Analog Portable Radios

BATTERIES AND CHARGERS		EPL	LIST
KNB-57LAM	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	76.50	102.00
KNB-55LAM	1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	48.75	65.00
KNB-56N	1400 mAh, Ni-MH battery	61.50	82.00
KNB-78LM	3000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	100.50	134.00
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh [Intrinsically Safe Option]	123.75	165.00
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	37.50	50.00
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC Li-ion Battery	36.75	49.00
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC	47.25	63.00
KSC-256AK	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L/68LC	558.75	745.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	132.75	177.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	186.00	243.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	89.25	119.00

NX-3220/3320
VHF/UHF Digital & FM Analog Portable Radios

		EPL	LIST
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	230.25	307.00
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-11	Spring action belt clip (2.5")	11.25	15.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-206K	Heavy-Duty Leather Case w/Swivel Belt Loop for Basic Model	37.50	50.00
KLH-206K2	Heavy-Duty Leather Case w/Swivel Belt Loop for Standard Keypad Model	37.50	50.00
CARRYING ACCESSORIES, CON'T		**EPL**	**LIST**
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Kyepad Model	37.50	50.00
KLH-207K	Nylon carrying case for Basic Model	20.25	27.00
KLH-207K2	Nylon carrying case for Standard Keypad Model	20.25	27.00
KLH-207K3	Nylon carrying case for Full Keypad Model	20.25	27.00
SPECIAL COLOR HOUSING		**EPL**	**LIST**
KWD-YH-3000P	Yellow Housing Kit for NX-3x20 series Portables (Standard Key Model Only) Must order **L-5068** for Factory Install. Eligible for warranty of IP67 immersion.	30.75	41.00
MICROPHONES & AUDIO ACCESSORIES		**EPL**	**LIST**
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) **Note:** KMC-45 (Non D version) is not compatible with DMR (TDMA) operaiton.	66.00	88.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.75	53.00
KHS-7	Single muff headset w/boom mic	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	127.50	170.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	281.25	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	257.25	343.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
SERVICE RELATED ACCESSORIES		**EPL**	**LIST**
KPG-22UM	USB Programming interface cable	121.50	162.00
INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio) **Note:** Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory	90.00	120.00
L-5052	NX-3220/3320 Programming (with basic TX/RX check)	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Moble	18.75	25.00
L-5062	Configure NX-3000 series for CSA US Intrinsically Safe **Note:** NX-3000 series I.S. radios must be used with matching I.S. battery KNB-79LCM.	25.50	34.00
L-5068	Assemble Yellow Housing KWD-YH-3000U/P with NX-3000 series Portable	20.25	27.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

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

NEXEDGE® DMR

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

All NX-3420 portables include:
- Belt Clip (KBH-11)
- Antenna (KRA-38K)
- 2-PIN Acccessory Cover
- Channel Stopper
- User Guide
- Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery and Charger separately

Note:
1. To meet IP grades and MIL, the 2-pin connector cap must be installed.
2. To maintain immersion specs (IP67/68), 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

Because of spurious signal (birdie), the following frequencies (and ±6.25kHz ranges) are not allowed :

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

STANDARD

■ GENERAL FEATURES
- 3 W (806-941 MHz) Model
- 260 CH-GID / 128 Zones
- Full Keypad Model (w/ LCD and D-pad/12 key)
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide)
- 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- 7-color Light Bar Indicator
- Transmit/Busy/Call Alert/Warn LED
- Remote Stun/Kill/Check
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 4-way Directional-pad (For Standard/Full Keypad)
- Emergency Key
- 2 Side PF Keys
- 1W Speaker Audio
- Dual Digital Protocol[1]
- Emergency Call Features
- Built-in GPS Receiver / Antenna
- Built-in Bluetooth® 4.0 Module
- Built-in Motion Sensor
- Active Noise Reduction (ANR)
- KPG-D3N Windows® FPU
- Flash Firmware Upgrading
- Optional Software-based DES and AES . Encryptions (Digital Only)
- MIL-STD-810 C/D/E/F/G
- IP54/55[2] Water & Dust Intrusion
- IP67[2] Immersion
- Digital Encode/Decode Format

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

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

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

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

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

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

RADIO		EPL	LIST
NX-3420K3	800/900MHz, 3.0 Watts, 260 CH, Full Key Model, NXDN Conv & Trunking	504.00	672.00
CSA US APPROVED MODELS		**EPL**	**LIST**
Must Order L-5062 & KNB-79LCM Intrinsically Safe Battery per radio			

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

NEXEDGE®
DMR

| NX-3420-ISCK3 | 800/900MHz, 3.0 Watts, 260 CH, Full Key Model, NXDN Conv & Trunking | 504.00 | 672.00 |

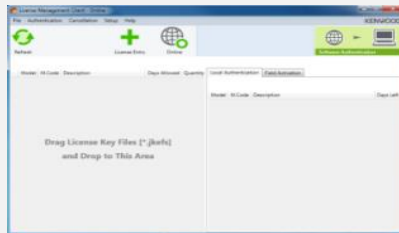**Note:** KNB-68LC is NOT compatible for NX-3000 Intrinsically Safe usage.

NEXEDGE® DMR

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

LICENSING SYSTEM		*EPL*	*LIST*

Note: KPT-300LMC is compatible with Windows Vista/7/8.1/10 Only. Windows

KPT-300LMC
License Management Client

KPT-300LMC is a <u>required</u> software package that is used to authenticate **software** (FPU) and **radio feature license** keys.

KPT-300LMC is available as a free download from Kenwood Tools and is also supplied with applicable software, such as KPG-D3NK.

<u>NOTE</u>: A license key is required for the KPT-300LMC to authenticate the software / Radio Feature prior to use. To receive a license key, complete the enclosed "**Account Request Form**" and return to the Land Mobile Order Desk.

KPT-300LMC	License Management Client	NC
L-5000	Account Registration Key	NC
	Note: specify the number of PC's used for Radio Feature License Activation.	

SOFTWARE LICENSING OPTIONS		*EPL*	*LIST*

TO PLACE AN ORDER FOR SOFTWARE:
1. **Complete the attached Software License Keys Request Form.**
2. **Submit along with your PO to the Land Mobile Order Desk via:**
   a) **E-Mail: lmrorderdesk@us.jvckenwood.com**
   b) **Fax: (310) 761-8246**
3. **License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.**

Note: A unique license key is required for each PC with software installed. A single license key will not authorize multiple PCs.

Software License Key Discount Structure		
1 License Key	---	
2 ~ 4 License Keys	**10% OFF**	
5 ~ 14 License Keys	**35% OFF**	
15 ~ 24 License Keys	**40% OFF**	
25+ License Keys	**45% OFF**	

Field Programming Unit (FPU)		*EPL*	*LIST*
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile ***Note:*** *Requires KPT-300LMC for authentication*	116.25	155.00

Over The Air Programming (OTAP)		*EPL*	*LIST*
KPG-180AP	Licence Key for KPG-180AP OTAP Manager Software • License includes Fifty (50) radios / One(1) <u>NXDN</u> Conventional and Type-C <u>Air</u> Communication Profile and One(1) <u>NXDN</u> Conventional and Type-C <u>IP</u> Communication Profile ***Note:*** *- Requires KPT-300LMC for authentication*	663.00	884.00

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

SOFTWARE UPGRADE LICENSES FOR KPG-180AP
Note: Includes package license for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP software. All additional licenses require KPT-300LMC for authentication.

KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1250.25	1667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2187.75	2917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3125.25	4167.00
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2) .	312.75	417.00

-- IMPORTANT NOTES--
Base radios are connected to a computer using the KPG-22UM USB adapter for portables, or a KPG-46XM for mobiles.
Requires firmware version 2.5 or higher for the NXR-x00/NXR-x10 repeaters.

Requires firmware version 1.0 or higher for the NXR-5xxx repeaters.

Encryption Software Keyloaders		EPL	LIST
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)	401.25	535.00
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	276.00	368.00

RADIO FEATURE LICENSE OPTIONS

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

   * TO PLACE AN ORDER FOR RADIO FEATURE LICENSES:
1. **Complete the attached Radio Feature License Keys Request Form.**
2. **Submit the completed form along with your PO to the Land Mobile Order Desk via:**
   a) **E-Mail: lmrorderdesk@us.jvckenwood.com**
   b) **Fax: (310) 761-8246**
3. **License Keys will be E-mailed to the address provided on the request form. A hard copy will follow by mail for your records.**

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.

Offline Authentication Option		EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License **Note:** *- Must purchase Radio Feature Licenses separately.* **-** *Can be used with only one (1) Account Registration Key.* *- Requires KPT-300LMC V1.10 or higher.* *- Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB.* **Warranty Information:** *- Damaged USB License Storage "KWD-OFL-USB"* *a. Remaining Licenses will not be warranted.* *b. Licenses not uploaded to the License Management Server will not be warranted.*	152.25	203.00

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

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
KWD-3002BT	License Key for Bluetooth Data (Required for Data Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	26.25	35.00
KWD-3301CV	License Key for DMR Tier 2 Conventional & S-Trunking	31.50	42.00
KWD-3302TR	License Key for DMR Tier 3 Trunking (Requires KWD-3301CV)	75.00	100.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
KWD-3503AE	License Key for AES/DES Encryption **Note:** 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	337.50	450.00
KWD-3504RC	License Key for Remote Control by Subscriber Unit **Note:** - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmition of Remote Control commands. - PC command for Remote Control does **NOT** require the license.	30.00	40.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00

ANTENNAS		EPL	LIST
KRA-32K	700/800 MHz Whip Antenna	27.00	36.00
KRA-36	700/800 MHz Stubby Antenna	19.50	26.00
KRA-38K	800/900 MHz Whip Antenna	27.00	36.00
KRA-39	900 MHz Stubby Antenna	19.50	26.00

BATTERIES AND CHARGERS		EPL	LIST
KNB-78LM	2860 mAh, Li-ion battery, IP67, battery only, best for trunked mode operation	100.50	134.00
KNB-57LAM	2000 mAh, Li-ion battery, IP67, battery only, best for conventional mode operation	76.50	102.00
KNB-55LAM	1480 mAh, Li-ion battery, IP67, battery only	48.75	65.00
KNB-56N	1400 mAh, Ni-MH battery, IP67, battery only	61.50	82.00
KNB-79LCM	CSA US Intrinsically Safe Battery Li-ion 2860mAh, IP67, battery only **[Intrinsically Safe Option]**	123.75	165.00
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	37.50	50.00

NEXEDGE® DMR

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

BATTERIES AND CHARGERS, CON'T		EPL	LIST
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/57LAM/68LC/78LM/79LCM Li-ion Battery	36.75	49.00
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/57LAM/68LC/78LM/79LCM	47.25	63.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	132.75	177.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	186.00	248.00
KSC-256AK	Rapid rate 6-Unit charger for KNB-26N/55L/56N/57L/57LAM/68LC/78LM/79LCM	558.75	745.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	45.75	61.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25SK chargers (chargers not included) *KSC-25**L**SK is not compatible with KVC-4.	89.25	119.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	230.25	307.00

CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	11.25	15.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	37.50	50.00
KLH-207K3	Nylon carrying case for Full Keypad Model	20.25	27.00

MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
IP grades for microphones and audio accessories are decided by each item.			
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) **Note:** KMC-45 (Non D version) is not compatible with DMR (TDMA) operaiton. **[Intrinsically Safe Option]**	66.00	88.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic **[Intrinsically Safe Option]**	39.75	53.00
KHS-7	Single muff headset w/boom mic **[Intrinsically Safe Option]**	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations. **[Intrinsically Safe Option]**	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations. **[Intrinsically Safe Option]**	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	127.50	170.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	281.25	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Option]**	257.25	343.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band) **[Intrinsically Safe Option]**	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00

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

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-22UM	USB Programming interface cable	121.50	162.00

INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio) **Note:** Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory.	90.00	120.00
L-5052	NX-3000 Series Portables Programming (with basic TX/RX check)	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Moble	18.75	25.00
L-5062	Configure NX-3000 series for CSA US Intrinsically Safe **Note:** NX-3000 series I.S. radios must be used with matching I.S. battery KNB-79LCM.	25.50	34.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

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

JVCKENWOOD may request the following information to be submitted at time of order (this information must meet JVCKENWOOD internal approvals prior to shipment even if being returned to JVCKENWOOD later:
a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
b) Ultimate Destination: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
c) Intended Use of Radios: Law enforcement, security, operations, etc.

NEXEDGE®

NX-1200NV/1300NU
VHF/UHF NXDN & FM Analog Portable Radios

STANDARD

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

■ DIGITAL – NXDN® MODE
- NXDN® Conventional & Site Roaming
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- NXDN® Scrambler
- Late Entry

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

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

OPTIONAL FEATURES
- DMR Conversion License (**KWD-1301CN**)
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**) *Only applicable after DMR conversion
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

All NX-1000 series portables include:
- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year
Note:
1. To meet IP grades and MIL, the 2-pin connector cap or accessory must be installed.

RADIO		EPL	LIST
NX-1200NVK	VHF (136-174MHz), 5W, 64 CH, Basic Model, NXDN/Analog	236.25	315.00
NX-1200NVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog	295.50	394.00
NX-1300NUK	UHF (450-520MHz), 5W, 64 CH, Basic, NXDN/Analog	236.25	315.00
NX-1300NUK2	UHF (450-520 MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog	295.50	394.00
NX-1300NUK4	UHF (400-470MHz), 5W, 64 CH, Basic, NXDN/Analog	236.25	315.00
NX-1300NUK5	UHF (400-470 MHz), 5W, 260 CH, LCD & Standard Keypad, NXDN/Analog	295.50	394.00
ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
KRA-27M3	UHF whip antenna 400-450 MHz	10.88	14.50

NEXEDGE®

NX-1200NV/1300NU
VHF/UHF NXDN & FM Analog Portable Radios

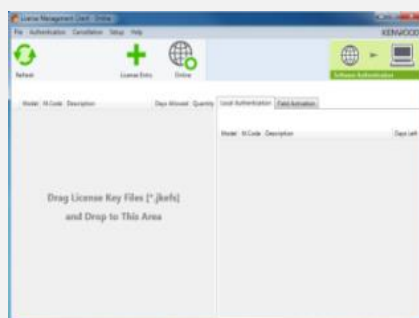| ANTENNAS, CON'T		EPL	LIST
KRA-41M	VHF stubby antenna 148-162 MHz	10.50	14.00
KRA-41M2	VHF stubby antenna 162-174 MHz	10.50	14.00
KRA-41M3	VHF stubby antenna 136-150 MHz	10.50	14.00
KRA-42M	UHF stubby antenna 440-490 MHz	10.50	14.00
KRA-42M2	UHF stubby antenna 470-520 MHz	10.50	14.00
KRA-42M3	UHF stubby antenna 403-430 MHz	10.50	14.00
KRA-22M	VHF low profile antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF low profile antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF low profile antenna 136-150 MHz	10.50	14.00
KRA-23M	UHF low profile antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF low profile antenna 470-520 MHz	10.50	14.00
KRA-23M3	UHF low profile antenna 403-430 MHz	10.50	14.00
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	49.50	66.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	60.00	80.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	28.50	38.00
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	24.00	32.00
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.75	37.00
KMB-28AK	Six Unit Charger Adapter for the KSC-35SK chargers (chargers not included) **Note:** A supplied in-line AC-DC switching power supply with six DC plugs supply installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	159.75	213.00
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	27.75	37.00
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-10	Spring action belt clip	6.45	8.60
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-187	Nylon case for NX-1200/1300 srs	11.25	15.00

NEXEDGE®

NX-1200NV/1300NU
VHF/UHF NXDN & FM Analog Portable Radios

MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) Note: KMC-45 (Non D version) is not compatible with DMR (TDMA) operaiton.	66.00	88.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.75	53.00
KHS-7	Single muff headset w/boom mic	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	127.50	170.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	281.25	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	257.25	343.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
LICENSING SYSTEM		EPL	LIST

KPT-300LMC
License Management Client

KPT-300LMC is a required software package that is used to authenticate **software** (FPU) and **radio feature license** keys.

KPT-300LMC is available as a free download from Kenwood Tools and is also supplied with applicable software, such as KPG-D6NK.

NOTE: Account registration and license key is required for the KPT-300LMC to authenticate the software / Radio Feature prior to use.
To receive a license key, complete **KPT-300LMC Account Request Form** and submit to the Land Mobile Order Desk.

License Keys will be E-Mailed to the address provided on the Account Request Form. A hard copy will follow by mail for your records.

Note: KPT-300LMC is compatible with Windows Vista/7/8/8.1/10 Only. Windows XP is not supported.

KPT-300LMC	License Management Client		NC
L-5000	Account Registration Key for KPT-300LMC		NC

NEXEDGE®

NX-1200NV/1300NU
VHF/UHF NXDN & FM Analog Portable Radios

SOFTWARE LICENSING OPTIONS	EPL	LIST

TO PLACE AN ORDER FOR SOFTWARE:

1. Complete the <u>Software License Key Request Form</u> provided on Kenwood Tools.
2. Submit along with your PO to the Land Mobile Order Desk via:
   a) E-Mail: lmrorderdesk@us.jvckenwood.com
   b) Fax: (310) 761-8246
3. License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.

Note: A unique license key is required for each PC with software installed. A single license key will not authorize multiple PCs.

Software License Key Discount Structure	
1 License Key	---
2 ~ 4 License Keys	10% OFF
5 ~ 14 License Keys	35% OFF
15 ~ 24 License Keys	40% OFF
25+ License Keys	45% OFF

Field Programming Unit (FPU)		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK	78.00	104.00
	Programming Software for NX-1000 series portable		
	Note: Requires KPT-300LMC for authentication		
KPG-22UM	USB Programming interface cable	121.50	162.00

RADIO FEATURE LICENSE OPTIONS	

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

* TO PLACE AN ORDER FOR RADIO FEATURE LICENSES:

1. Complete the <u>Radio Feature License Keys Request Form</u> provided on Kenwood Tools.
2. Submit the completed form along with your PO to the Land Mobile Order Desk via:
   a) E-Mail: lmrorderdesk@us.jvckenwood.com
   b) Fax: (310) 761-8246
3. License Keys will be E-mailed to the address provided on the request form. A hard copy will follow by mail for your records.

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

Radio Features		EPL	LIST
KWD-1301CN	License Key for DMR Conventional Conversion	31.50	42.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption	25.50	34.00
	Note: ARC4 Enhanced Encryption is avaialble only in DMR mode.		
KWD-1501RC	License Key for Remote Control by Subscriber Unit	25.50	34.00
	Note:		
	- This license may be used by Administrator due to Stun/Revive/Kill.		
	- The license is only required for transmition of Remote Control commands.		
	- PCs ... for Remote Control does NOT require the license		

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio)	90.00	120.00
	Note: Must purchase Radio Feature Licenses separately.		
	<u>KPT-300LMC's History Menu will not display the Radio Features activated by Factory.</u>		
L-5075	NX-1000 Series Portables Programming (with basic TX/RX check)	28.13	37.50

DMR

NX-1200DV/1300DU
VHF/UHF DMR & FM Analog Portable Radios

All NX-1000 series portables include:
- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

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

STANDARD

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

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

■ DIGITAL – NXDN® MODE (Optional)
- NXDN® Conventional & Site Roaming
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Digital / Analog Mixed Mode
- Group / Individual Call
- Status, Short Data, Paging Call
- Remote Stun, Kill, Monitor, Check, & Control
- NXDN® Scrambler
- Late Entry

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

OPTIONAL FEATURES
- NXDN Conversion License (**KWD-1201CD**)
- DMR ARC4 Enhanced Encryption (**KWD-1500EE**)
- Remote Control Command by Subscriber Units (**KWD-1501RC**)

RADIO		EPL	LIST
NX-1200DVK	VHF (136-174MHz), 5W, 64 CH, Basic Model, DMR/Analog	236.25	315.00
NX-1200DVK2	VHF (136-174MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog	295.50	394.00
NX-1300DUK	UHF (450-520MHz), 5W, 64 CH, Basic, DMR/Analog	236.25	315.00
NX-1300DUK2	UHF (450-520 MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog	295.50	394.00
NX-1300DUK4	UHF (400-470MHz), 5W, 64 CH, Basic, DMR/Analog	236.25	315.00
NX-1300DUK5	UHF (400-470 MHz), 5W, 260 CH, LCD & Standard Keypad, DMR/Analog	295.50	394.00
ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
KRA-27M3	UHF whip antenna 400-450 MHz	10.88	14.50

NX-1200DV/1300DU
VHF/UHF DMR & FM Analog Portable Radios

ANTENNAS, CON'T		EPL	LIST
KRA-41M	VHF stubby antenna 148-162 MHz	10.50	14.00
KRA-41M2	VHF stubby antenna 162-174 MHz	10.50	14.00
KRA-41M3	VHF stubby antenna 136-150 MHz	10.50	14.00
KRA-42M	UHF stubby antenna 440-490 MHz	10.50	14.00
KRA-42M2	UHF stubby antenna 470-520 MHz	10.50	14.00
KRA-42M3	UHF stubby antenna 403-430 MHz	10.50	14.00
KRA-22M	VHF low profile antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF low profile antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF low profile antenna 136-150 MHz	10.50	14.00
KRA-23M	UHF low profile antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF low profile antenna 470-520 MHz	10.50	14.00
KRA-23M3	UHF low profile antenna 403-430 MHz	10.50	14.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	49.50	66.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	60.00	80.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	28.50	38.00
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	24.00	32.00
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.75	37.00
KMB-28AK	Six Unit Charger Adapter for the KSC-35SK chargers (chargers not included) **Note:** A supplied in-line AC-DC switching power supply with six DC plugs supply installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	159.75	213.00
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger (charger not included)	27.75	37.00
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	6.45	8.60
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-187	Nylon case for NX-1200/1300 srs	11.25	15.00

DMR NX-1200DV/1300DU
VHF/UHF DMR & FM Analog Portable Radios

MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) **Note:** KMC-45 (Non D version) is not compatible with DMR (TDMA) operaiton.	66.00	88.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.75	53.00
KHS-7	Single muff headset w/boom mic	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	127.50	170.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	281.25	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	257.25	343.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
LICENSING SYSTEM		EPL	LIST

Note: KPT-300LMC is compatible with Windows Vista/7/8/8.1/10 Only. Windows XP is not supported.

KPT-300LMC
License Management Client

KPT-300LMC is a <u>required</u> software package that is used to authenticate **software** (FPU) and **radio feature license** keys.

KPT-300LMC is available as a free download from Kenwood Tools and is also supplied with applicable software, such as KPG-D6NK.

NOTE: Account registration and license key is required for the KPT-300LMC to authenticate the software / Radio Feature prior to use.
To receive a license key, complete **KPT-300LMC Account Request Form** and submit to the Land Mobile Order Desk.

License Keys will be E-Mailed to the address provided on the Account Request Form. A hard copy will follow by mail for your records.

KPT-300LMC	License Management Client	NC
L-5000	Account Registration Key for KPT-300LMC	NC

DMR	NX-1200DV/1300DU	Table of Contents
	VHF/UHF DMR & FM Analog Portable Radios	

SOFTWARE LICENSING OPTIONS	EPL	LIST

TO PLACE AN ORDER FOR SOFTWARE:
1. Complete the <u>Software License Key Request Form</u> provided on Kenwood Tools.
2. Submit along with your PO to the Land Mobile Order Desk via:
   a) E-Mail: lmrorderdesk@us.jvckenwood.com
   b) Fax: (310) 761-8246
3. License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.

Note: A unique license key is required for each PC with software installed. A single license key will not authorize multiple PCs.

Software License Key Discount Structure		
	1 License Key	---
	2 ~ 4 License Keys	**10% OFF**
	5 ~ 14 License Keys	**35% OFF**
	15 ~ 24 License Keys	**40% OFF**
	25+ License Keys	**45% OFF**

Field Programming Unit (FPU)		EPL	LIST
KPG-D6NK	License Key for KPG-D6NK	78.00	104.00
	Programming Software for NX-1000 series portable		
	Note: Requires KPT-300LMC for authentication		
KPG-22UM	USB Programming interface cable	121.50	162.00

RADIO FEATURE LICENSE OPTIONS		

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

* TO PLACE AN ORDER FOR RADIO FEATURE LICENSES:
1. Complete the <u>Radio Feature License Keys Request Form</u> provided on Kenwood Tools.
2. Submit the completed form along with your PO to the Land Mobile Order Desk via:
   a) E-Mail: lmrorderdesk@us.jvckenwood.com
   b) Fax: (310) 761-8246
3. License Keys will be E-mailed to the address provided on the request form. A hard copy will follow by mail for your records.

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

Radio Features		EPL	LIST
KWD-1201CD	License Key for NXDN Conventional Conversion	31.50	42.00
KWD-1500EE	License key for DMR ARC4 Enhanced Encryption	25.50	34.00
	Note: ARC4 Enhanced Encryption is avaialble only in DMR mode.		
KWD-1501RC	License Key for Remote Control by Subscriber Unit	25.50	34.00
	Note:		
	- This license may be used by Administrator due to Stun/Revive/Kill.		
	- The license is only required for transmition of Remote Control commands.		
	- PC commands for Remote Control does NOT require the license.		

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio)	90.00	120.00
	Note: Must purchase Radio Feature Licenses separately.		
	KPT-300LMC's History Menu will not display the Radio Features activated by Factory.		
L-5075	NX-1000 Series Portables Programming (with basic TX/RX check)	28.13	37.50

NEXEDGE®

NX-200G/300G

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

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

* All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately.

Approved by CSA International Inc. for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations. **Note**: Class I, Div 2 Group A & B Gases require use of a portable carrying case.

GENERAL FEATURES
• 5 W (136-174 MHz) Models
• 5 W (400-470, 450-520 MHz) Models
• 512 CH-GID / 128 Zones
• 12-Key Keypad Models
• 14 Character Alphanumeric Aliases
• Backlit Dot Matrix LCD
• Function/Status LCD Icons
• Multi-Language Display
• Date & 12/24 Hour Time Clock
• Transmit/Busy/Call Alert/Warn LED
• On/Off Volume Knob
• 16-Position Mechanical Selector
• 6 Front PF & Menu Keys
• 2 Side PF Keys
• 500 mW Speaker Audio
• Emergency Call Features
• Built-in GPS Unit
(KRA-43G/44G is required for GPS operation)
• KMC-51/52 Digital Noise-Canceling Speaker Mic Option
• KPG-111D Windows® FPU
• Flash Firmware Upgrading
• MIL-STD-810 C/D/E/F/G
• IP54/55 Water & Dust Intrusion
• PC Serial Interface
• SDM Manual Input1
• Transparent Data Mode

DIGITAL – GENERAL
• NXDN® Digital Air Interface
• AMBE+2™ VOCODER
• 6.25 & 12.5 kHz Channels
• Over-the-Air Alias
• Over-the-Air Programming
• Paging Call
• Emergency Call
• All Group Call
• Status Messaging
• Remote Stun/Kill/Check
• Short & Long Data Messages
• GPS Location with Voice
• NXDN® Scrambler Included
• DES Encryption Module Option
• AES & DES Encryption Module Option
• AES/DES Software Key Loader Option

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

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

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

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

NEXEDGE Generation2 System (option)
• 1,152 sites Wide Area System
• Direct Frequency Assignment

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

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

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

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

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

RADIO		EPL	LIST
NX-200GK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	522.75	697.00
NX-200GK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	561.00	748.00
NX-300GK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	522.75	697.00
NX-300GK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	522.75	697.00
NX-300GK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	561.00	748.00
NX-300GK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	561.00	748.00
CSA US APPROVED MODELS		**EPL**	**LIST**
Must Order L-1796 & an Intrinsically Safe Battery per radio			
NX-200-ISCGK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	522.75	697.00
NX-200-ISCGK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	561.00	748.00

NX-200G/300G

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

NEXEDGE®

Model	Description	EPL	LIST
NX-300-ISCGK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	522.75	697.00
NX-300-ISCGK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	522.75	697.00
NX-300-ISCGK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	561.00	748.00
NX-300-ISCGK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	561.00	748.00
ANTENNAS		*EPL*	*LIST*
KRA-43GM	VHF helical antenna 146-162 MHz (w/GPS)	13.50	18.00
KRA-43GM2	VHF helical antenna 162-174 MHz (w/GPS)	13.50	18.00
KRA-43GM3	VHF helical antenna 136-150 MHz (w/GPS)	13.50	18.00
KRA-44GM	UHF helical antenna 440-490 MHz (w/GPS)	13.50	18.00
KRA-44GM2	UHF helical antenna 470-520 MHz (w/GPS)	13.50	18.00
KRA-44GM3	UHF helical antenna 400-450 MHz (w/GPS)	13.50	18.00
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
KRA-27M3	UHF whip antenna 400-450 MHz	10.88	14.50
KRA-22M	VHF low-profile helical antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.50	14.00
KRA-23M	UHF low-profile helical antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF low-profile helical antenna 470-512 MHz	10.50	14.00
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	10.50	14.00
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	26.25	35.00
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	32.25	43.00
KRA-29	Broad Band UHF Whip Antenna 380-430 MHz	28.50	38.00
BATTERIES AND CHARGERS		*EPL*	*LIST*
KNB-47LAM	1950 mAh, Li-ion battery - requires KSC-32/326K charger	75.00	110.00
KNB-48LAM	2550 mAh, Li-ion battery - requires KSC-32/326K charger	96.00	128.00
KNB-50NC	2000 mAh, Ni-MH battery - requires KSC-32/326K charger **[FM & CSA-us ntrinsically Safe Option]**	120.00	160.00
KNB-72LC-CSA-US	1880 mAh, Li-ion battery - requires KSC-32/326K charger **[CSA US Intrinsically Safe Option]**	165.00	220.00
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC **Note:** Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied)	61.50	82.00
KSC-326AK	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	558.75	745.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	45.75	61.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	186.00	248.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	121.50	162.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	230.25	307.00
CARRYING ACCESSORIES		*EPL*	*LIST*
KBH-11	Spring action belt clip (2.5")	11.25	15.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	17.25	23.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	28.50	38.00
KLH-148K	Heavy duty leather case for NX-200/300/TK-5220/5320 (Non DTMF keypad models)	33.75	45.00
KLH-148K2	Heavy duty leather case for NX-200/300/TK-5220/5320 (DTMF keypad models)	33.75	45.00

NX-200G/300G
VHF/UHF Digital & FM Analog Portables (w/ Built-In GPS)

CARRYING ACCESSORIES, CON'T		EPL	LIST
KLH-149K	Nylon carrying case for NX-200/300/TK-5220/5320 (Non DTMF keypad models)	20.25	27.00
KLH-149K2	Nylon carrying case for NX-200/300/TK-5220/5320 (DTMF keypad models)	20.25	27.00
SPECIAL COLOR HOUSING		**EPL**	**LIST**
KWD-YH20-NX	Yellow Housing Kit for NX-x00 portables (6 Control Keys Version Only) Order **L-1714** for Factory Install. (required for Intrinsically Safe & IP67 radio orders)	30.75	41.00
KWD-OH20-NX	Orange Housing Kit for NX-x00 portables (6 Control Keys Version Only) Order **L-1739** for Factory Install. (required for Intrinsically Safe & IP67 radio orders)	30.75	41.00
MICROPHONES & AUDIO ACCESSORIES		**EPL**	**LIST**
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector **[Intrinsically Safe Approved Accessory]** **Note**: 5/16" Coax cable hex wrench included (antenna is not included).	191.25	255.00
KMC-72W	MIL-SPEC, IP54/55/67* Noise-cancelling Speaker Mic **Note:** Radio does not have an IP67 Immersion spec; meets MIL STD810 rain standards. **[Intrinsically Safe Approved Accessory]**	76.50	102.00
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics **[Intrinsically Safe Approved Accessory]**	39.75	53.00
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Approved Accessory]**	165.00	220.00
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	120.00	160.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **[Intrinsically Safe Approved Accessory]**	141.00	188.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **[Intrinsically Safe Approved Accessory]**	96.00	128.00
KHS-15D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	315.00	420.00
KHS-15D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **[Intrinsically Safe Approved Accessory]**	276.00	368.00
SOFTWARE & USB OPTIONS		**EPL**	**LIST**
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	412.50	550.00
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	401.25	535.00
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).	276.00	368.00
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Must order **L-1812** for factory installation, or **L-1813** for field-upgrade option Note: **MPT** Firmware and FPU do **NOT** compatible. MPTs will be available on **3Q FY2016**.	12.75	17.00

NEXEDGE®	**NX-200G/300G**	Table of Contents
	VHF/UHF Digital & FM Analog Portables (w/ Built-In GPS)	

SOFTWARE & USB OPTIONS, CON'T		EPL	LIST
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series **without ESN**. KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes KPG-97USB software for activating radios. **Note:** - Must order L-1819. - Must purchase KWD-NX2G-10 seperately. - KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order. - KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders. - KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options. - The licenses (KWD-NX2G-10) installed to the KWD-LIC-USB is **NOT** eligible for warranty.	N/C	N/C

OPTION MODULES		EPL	LIST
KCT-48VU	External Vibration Unit **[Intrinsically Safe Approved Accessory]** **Note:** Audio accessories cannot be used when this option installed.	54.00	72.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S.	17.25	23.00
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1828 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). **[Intrinsically Safe Option]**- Must be Kenwood installed for I.S. **Note:** GPS Board must be removed to install this option.	650.25	867.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1829 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **[Intrinsically Safe Option]**- Must be Kenwood installed for I.S. **Note:** GPS Board must be removed to install this option.	421.50	562.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-111DNK **(Ver 4.4 or newer)**	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-36XM	USB Programming interface cable	121.50	162.00

MPT FIRMWARE/ACCESSORIES/TUNING		EPL	LIST
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: - Must order **L-1727** for Network Level License ID & programming privileges.	77.44	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	50.03	66.70
L-1726	Install MPT option in NX series radio	18.75	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	118.75	158.33
L-1728	Retrofit Install of MPT option in NX series radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. **Note:** see NX series MPT Introduction Sales Bulletin for details.	63.75	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	N/C	N/C
L-1730	Install KCT-57MS (for MPT Emergency Call)	15.00	20.00

INSTALLATION / TUNING CHARGES		EPL	LIST
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	12.75	17.00

NEXEDGE®

NX-200G/300G

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

INSTALLATION / TUNING CHARGES, CON'T		*EPL*	*LIST*
L-1084	NX-200(S)/300(S) Programming (with basic TX/RX check)	28.13	37.50
L-1093	NX-200(S)/300(S) Portable KCT-57MS Installation (for NXDN® / FleetSync®)	15.00	20.00
L-1100	Multi-Channel Encoder Modification	18.75	25.00
L-1714	Assemble Yellow Housing KWD-YH20-NX with NX-200K/300K/300K3 Portable	20.25	27.00
L-1739	Assemble Orange Housing KWD-OH20-NX with NX-200K/300K/300K3 Portable	20.25	27.00
L-1796	Configure NX-200G/300G for Intrinsically Safe **Must order an I.S. battery**	52.50	70.00
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	N/C	N/C
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00
L-1828	Install KWD-AE30K in NX-200G/300G series Portable (Must purchase module separately)	56.25	75.00
L-1829	Install KWD-AE31K in NX-200G/300G series Portable (Must purchase module separately)	56.25	75.00

-- IMPORTANT NOTES --

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

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

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

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

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

NEXEDGE®

NX-210G
VHF Digital & FM Analog Portables (w/ Built-In GPS)

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

* All Accessories / options: 1 Year

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

Approved by CSA International Inc. for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations.
Note: Class I, Div 2 Group A & B Gases require use of a portable carrying case.

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

DIGITAL – GENERAL
• NXDN® Digital Air Interface
• AMBE+2™ VOCODER
• 6.25 & 12.5 kHz Channels
• Over-the-Air Alias
• Over-the-Air Programming
• Paging Call
• Emergency Call
• All Group Call
• Status Messaging
• Remote Stun/Kill
• Remote Check
• Short & Long Data Messages
• GPS Location with Voice
• NXDN® Scrambler Included
• DES Encryption Module Option*
• AES & DES Encryption Module Option*
• AES/DES Software Key Loader Option

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

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

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

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

NEXEDGE Generation2 System (option)
• 1,152 sites Wide Area System
• Direct Frequency Assignment

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

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

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

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

* Must remove GPS module to utilize these options

RADIO		EPL	LIST
NX-210GK2	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad	561.00	748.00
CSA US APPROVED MODELS		**EPL**	**LIST**
Must Order L-1750 & an Intrinsically Safe Battery per radio			
NX-210-ISCGK2	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Key (I.S.)	561.00	748.00
PACKAGE		**EPL**	**LIST**
NX-210GK2-LKP	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad VHF Li-Ion Battery Package (NX-210K2 + KNB-33L + KSC-32 + KBH-11 + KRA-26M)	715.50	954.00

NX-210G

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

ANTENNAS		EPL	LIST
KRA-43GM	VHF helical antenna 146-162 MHz (w/GPS)	13.50	18.00
KRA-43GM2	VHF helical antenna 162-174 MHz (w/GPS)	13.50	18.00
KRA-43GM3	VHF helical antenna 136-150 MHz (w/GPS)	13.50	18.00
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-22M	VHF low-profile helical antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.50	14.00
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	26.25	35.00
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	32.25	43.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-41NC	2500 mAh, Ni-MH battery - requires KSC-32/326K charger [FM & CSA-us ntrinsically Safe Option]	104.25	139.00
KNB-54N	2500 mAh, Ni-MH battery - requires KSC-32/326K charger	66.75	89.00
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K charger	82.50	110.00
KNB-43L	3300 mAh, Li-Polymer battery - requires KSC-32/326K charger	127.50	170.00
KBP-6	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included Note: the color of the case is orange.	52.50	70.00
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC Note: Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied)	61.50	82.00
KSC-326AK	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	558.75	745.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	186.00	248.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	121.50	162.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	230.25	307.00
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Low profile spring action belt clip (for use with KNB-33L Only)	6.45	8.60
KBH-11	Spring action belt clip (2.5")	11.25	15.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	17.25	23.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	28.50	38.00
KLH-154K2	Heavy duty leather carrying case for NX-210K2/410K2/411K2 Note: No belt loop flap is included. Must order KLH-6SW for belt loop.	33.75	45.00
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector [Intrinsically Safe Approved Accessory] Note: 5/16" Coax cable hex wrench included (antenna is not included)	191.25	255.00
KMC-72W	MIL-SPEC, IP54/55/67* Noise-cancelling Speaker Mic Note: Radio does not have an IP67 Immersion spec; meets MIL STD810 rain standards. [Intrinsically Safe Approved Accessory]	76.50	102.00

NEXEDGE®	NX-210G	Table of Contents
	VHF Digital & FM Analog Portables (w/ Built-In GPS)	

MICROPHONES & AUDIO ACCESSORIES, CON'T		EPL	LIST
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics [Intrinsically Safe Approved Accessory]	39.75	53.00
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) [Intrinsically Safe Approved Accessory]	165.00	220.00
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) [Intrinsically Safe Approved Accessory]	120.00	160.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) [Intrinsically Safe Approved Accessory]	141.00	188.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT [Intrinsically Safe Approved Accessory]	96.00	128.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory]	321.00	428.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory]	281.25	375.00
SOFTWARE & USB OPTIONS		**EPL**	**LIST**
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	412.50	550.00
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	401.25	535.00
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).	276.00	368.00
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles **Must order L-1812 for factory installation, or L-1813 for field-upgrade option**	12.75	17.00
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series **without ESN**. KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes KPG-97USB software for activating radios. **Note:** - Must order L-1819. - Must purchase KWD-NX2G-10 seperately. - KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order. - KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders. - KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options. - The licenses (KWD-NX2G-10) installed to the KWD-LIC-USB is **NOT** eligible for warranty compensaton	N/C	N/C
OPTION MODULES		**EPL**	**LIST**
KCT-48VU	External Vibration Unit [Intrinsically Safe Approved Accessory] **Note:** Audio accessories cannot be used when this option installed.	54.00	72.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) [Intrinsically Safe Approved Accessory]- Must be Kenwood installed for I.S.	17.25	23.00
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1832 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). [Intrinsically Safe Option]- Must be Kenwood installed for I.S.	650.25	867.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1833 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) [Intrinsically Safe Option]- Must be Kenwood installed for I.S.	421.50	562.00

NEXEDGE®

NX-210G

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

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 **Note:** Version 4.40 is required to program "G" models	77.44	103.25
KPG-36XM	USB Programming interface cable	121.50	162.00
INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	12.75	17.00
L-1633	NX-210 Programming (with basic TX/RX check)	28.13	37.50
L-1667	Install VGS-1 Voice Guide & Storage Unit in NX-210	18.75	25.00
L-1671	NX-210/410/411 Portable KCT-57MS Installation (for NXDN® / FleetSync®)	15.00	20.00
L-1750	Configure NX-210/210G/410/411 for Intrinsically Safe **Must order an I.S. battery.**	52.50	70.00
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	N/C	N/C
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00
L-1832	Install KWD-AE30K in NX-210G/410/411 series Portable (Must purchase module separately)	56.25	75.00
L-1833	Install KWD-AE31K in NX-210G/410/411 series Portable (Must purchase module separately)	56.25	75.00

-- IMPORTANT NOTES --

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

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

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

KWD-AE30 AES FIPS140-2 SCM , NIST Validation & Customer Shipping
A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from JVCKENWOOD USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated JVCKENWOOD USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE30K modules to erroneous destinations specified on an order.

NEXEDGE®

NX-240V/340U

VHF/UHF Digital & FM Analog Portable Radios

All 40 series NX portables include:
• Li-ion Battery (KNB-45L)
• Fast Charger (KSC-35SK)
• Antenna [KRA-26M(VHF)/27M(UHF)]
• Belt Clip (KBH-10)
• 2-PIN Connector Cap
• Instruction Manual
• Premium Warranty: 3 Years*
* All Accessories / options: 1 Year

GENERAL FEATURES
• 5 W (136-174 MHz) VHF
• 5 W (450-520, 400-470 MHz) UHF
• Max. 16 CH per Zone
• 2 Conventional Zones
• Transmit / Busy / Call Alert / Scan / Warn LED
• 4-Color LED (Blue/Red/Green/Orange)
• On/Off Volume Knob
• 2 PF Keys
• 1.0 W Speaker Audio
• 16-Position Mechanical Selector
• Zone / CH# Voice Announcement
• KMC-48GPS Speaker Mic Option
• VOX Ready
• Emergency Call Features
• Lone Worker Alert (per CH)
• Time Out Timer
• Busy Channel Lockout
• Low Battery Warning
• Battery Saver
• KPG-170D Windows FPU
• Wireless Cloning
• Password Protected
• MIL-STD-810 C/D/E/F/G
• IP-54/55 Water & Dust Intrusion

GENERAL FEATURES
• NXDN® Digital Air Interface
• AMBE+2™VOCODER
• 6.25 & 12.5 kHz Channels
• Over-the-Air Alias (TX Only)
• Paging Call
• Emergency Call
• All Group Call
• Status Messaging
• Remote Stun/Kill
• Remote Check

DIGITAL – CONVENTIONAL MODE
• 64 Radio Access Numbers (RAN)
• Individual & Group Selective Call
• Site Roaming

DIGITAL – TYPE-D TRUNKING MODE *
• Individual Call
• Group Call & All Group Call
• Emergency Call
• Paging Call
• Transmission Trunked Mode
• Late Entry
• ESN Validation
• Status Messaging
* Hardware Version 2.0 can be abailable.

SCAN
• Single Zone Scan
• Single Priority Scan (Conventional)

ANALOG MODES – GENERAL
• 12.5 kHz Channels
• Conventional Zones
• FleetSync®/II, MDC-1200, DTMF
• QT/DQT/Two-Tone (Conv. Zones Only)
• Voice Inversion Scrambler (16 Codes)

FleetSync®/II
• PTT ID ANI
• Selective / Group Call
• Paging Call
• Emergency Status
• Send GPS Data

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

RADIO		EPL	LIST
NX-340UK	450-520 MHz UHF 5W, 16 Ch / 2 Zones	281.25	375.00
CSA US APPROVED MODELS			**LIST**
All in one package with Radio, Antenna, Battery (KNB-82LCM Intrinsically Safe Battery) and Charger			
NX-240-ISCVK	136-174 MHz VHF 5W, 16 Ch / 2 Zones **Note:** Can be used in Class I Gas Environment only	387.00	516.00
NX-340-ISCUK	450-520 MHz UHF 5W, 16 Ch / 2 Zones **Note:** Can be used in Class I Gas Environment only	398.25	531.00
NX-340-ISCUK2	400-470 MHz UHF 5W, 16 Ch / 2 Zones **Note:** Can be used in Class I Gas Environment only	398.25	531.00
ANTENNAS		**EPL**	**LIST**
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
KRA-27M3	UHF whip antenna 403-430 MHz	10.88	14.50
KRA-41M	VHF stubby antenna 148-162 MHz	10.50	14.00
KRA-41M2	VHF stubby antenna 162-174 MHz	10.50	14.00

NEXEDGE®	**NX-240V/340U** **VHF/UHF Digital & FM Analog Portable Radios**	*Table of Contents*	

KRA-41M3	VHF stubby antenna 136-150 MHz	10.50	14.00
KRA-42M	UHF stubby antenna 440-490 MHz	10.50	14.00
KRA-42M2	UHF stubby antenna 470-520 MHz	10.50	14.00
KRA-42M3	UHF stubby antenna 403-430 MHz	10.50	14.00
KRA-22M	VHF low profile antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF low profile antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.50	14.00
ANTENNAS, CON'T		*EPL*	*LIST*
KRA-23M	UHF low profile antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF low profile antenna 470-520 MHz	10.50	14.00
KRA-23M3	UHF low profile antenna 403-430 MHz	10.50	14.00
BATTERIES AND CHARGERS		*EPL*	*LIST*
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) **Note:** The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	159.75	213.00
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	49.50	66.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	60.00	80.00
KNB-82LCM	CSA US Intrinsically Safe Battery Li-ion 2000mAh, battery only **[Intrinsically Safe Option]**	87.75	117.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	28.50	38.00
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	24.00	32.00
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.75	37.00
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.75	37.00
CARRYING ACCESSORIES		*EPL*	*LIST*
KBH-10	Spring action belt clip	6.45	8.60
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-187	Nylon case for TK-*200/*202/*300/*302/*400/*402, NX-x40, TK-Dx40 Series	11.25	15.00
MICROPHONES & AUDIO ACCESSORIES		*EPL*	*LIST*
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	66.00	88.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.75	53.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	281.25	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	257.25	343.00
KHS-7	Single muff headset w/boom mic	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	127.50	170.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
SERVICE RELATED ACCESSORIES		*EPL*	*LIST*

NEXEDGE®

NX-240V/340U

VHF/UHF Digital & FM Analog Portable Radios

KPG-170DK	Windows® Programming Software for NX-240V/340U (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-22UM	USB Programming interface cable	121.50	162.00
TYPE-D TRUNKING ACTIVATION/TUNING		*EPL*	*LIST*
KWD-NXD40K	Type-D Trunking Option. Must order **L-1800** or **L-1801.** **Note**: Compatible with firmware version 3.00 or later. Only Hardware **Version 3.0** can be available.	7.50	10.00
L-1800	Factory Activation of Type-D Trunking Option.	N/C	N/C
TYPE-D TRUNKING ACTIVATION/TUNING, CON'T		*EPL*	*LIST*
L-1801	Type-D Trunking Option FIELD-UPGRADE. To place an order, please complete the **NEXEDGE Type-D Field Upgrade Form** available on Kenwood Tools under Forms. Required information includes the exact model #s and serial number for each radio to be updated.	N/C	N/C
INSTALLATION / TUNING CHARGES		*EPL*	*LIST*
L-1767	NX-240V/340U Programming (with basic TX/RX check)	28.13	37.50

TK-D240V/340U

VHF/UHF Digital & FM Analog Portable Radios

All 40 series DMR portables include:
• Li-ion Battery (KNB-45L)
• Fast Charger (KSC-35SK)
• Antenna [KRA-26M(VHF)/27M(UHF)]
• Belt Clip (KBH-10)
• 2-PIN Connector Cap
• Instruction Manual
• Standard Warranty: 2 Years**

** All Accessories / options: 1 Year

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

• 147.0000   • 422.4000   • 483.0000
• 153.6000   • 441.0000   • 499.2000
• 168.0000   • 441.6000   • 504.0000
• 172.8000   • 460.8000   • 518.4000
• 403.2000   • 462.0000
• 420.0000   • 480.0000

GENERAL FEATURES
• 5 W (136-174 MHz) VHF
• 4 W (450-520, 400-470 MHz) UHF
• Max. 16 CH per Zone
• 2 Conventional Zones
• Transmit / Busy / Call Alert / Scan / Warn LED
• On/Off Volume Knob
• 2 PF Keys
• 1.0 W Speaker Audio
• 16-Position Mechanical Selector
• Digital/Analog Mixed Mode
• Zone / CH# Voice Announcement
• VOX Ready
• Emergency Call Features
• Lone Worker Alert (per CH)
• Time Out Timer
• Busy Channel Lockout
• Low Battery Warning
• Battery Saver
• KPG-166DN Windows FPU
• Password Protected (Read/Write)
• MIL-STD-810 C/D/E/F/G
• IP54/55 Dust & Water Protection

GENERAL FEATURES
• DMR Tier II Conventional
• AMBE+2™VOCODER
• 12.5 kHz Channels
• Call Interrupt (Direct & Repeater Mode)
• Paging Call
• Emergency Call
• All Group Call
• Late Entry
• Status Messaging
• Remote Monitor

DIGITAL – CONVENTIONAL MODE
• Individual & Group Selective Call
• Conventional IP Networks

SCAN
• Single Zone Scan
• Single Priority Scan (Conventional)

ANALOG MODES – GENERAL
• 12.5 kHz Channels
• Conventional Zones
• DTMF
• QT/DQT, Two-Tone
• Voice Inversion Scrambler (16 Codes)

FleetSync®
• PTT ID ANI
• Selective / Group Call
• Paging Call
• Emergency Status

CSA US APPROVED MODELS			LIST
All in one package with Radio, Antenna, Battery (KNB-82LCM Intrinsically Safe Battery) and Charger			
TK-D240-ISCVK	136-174 MHz VHF 5W, 16 Ch / 2 Zones **Note:** Can be used in Class I Gas Environment only	398.25	531.00
TK-D340-ISCUK	450-520 MHz UHF 5W, 16 Ch / 2 Zones **Note:** Can be used in Class I Gas Environment only	398.25	531.00
TK-D340-ISCUK2	400-470 MHz UHF 5W, 16 Ch / 2 Zones **Note:** Can be used in Class I Gas Environment only	398.25	531.00

ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
KRA-27M3	UHF whip antenna 403-430 MHz	10.88	14.50
KRA-41M	VHF stubby antenna 148-162 MHz	10.50	14.00
KRA-41M2	VHF stubby antenna 162-174 MHz	10.50	14.00
KRA-41M3	VHF stubby antenna 136-150 MHz	10.50	14.00
KRA-42M	UHF stubby antenna 440-490 MHz	10.50	14.00
KRA-42M2	UHF stubby antenna 470-520 MHz	10.50	14.00
KRA-42M3	UHF stubby antenna 403-430 MHz	10.50	14.00

DMR   TK-D240V/340U

VHF/UHF Digital & FM Analog Portable Radios

KRA-22M	VHF low profile antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF low profile antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.50	14.00

TK-D240V/340U
VHF/UHF Digital & FM Analog Portable Radios

ANTENNAS, CON'T		EPL	LIST
KRA-23M	UHF low profile antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF low profile antenna 470-520 MHz	10.50	14.00
KRA-23M3	UHF low profile antenna 403-430 MHz	10.50	14.00
BATTERIES AND CHARGERS		**EPL**	**LIST**
KMB-28AK	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) **Note:** The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	159.75	213.00
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	49.50 L	66.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	60.00	80.00
KNB-82LCM	CSA US Intrinsically Safe Battery Li-ion 2000mAh, battery only **[Intrinsically Safe Option]**	87.75	117.00
KNB-29N	1500 mAh, Ni-MH battery - requires KSC-43K charger	28.50	38.00
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	24.00	32.00
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.75	37.00
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.75	37.00
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-10	Spring action belt clip	6.45	8.60
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-187	Nylon case for TK-*200/*202/*300/*302/*400/*402, NX-x40, TK-Dx40 Series	11.25	15.00
MICROPHONES & AUDIO ACCESSORIES		**EPL**	**LIST**
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) **Note:** KMC-45 (Non D version) is not compatible with TDMA operaiton.	66.00	88.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.75	53.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT **Note:** Available for Analog only. NOT compatible withDigital (TDMA) operations.	281.25	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT **Note:** Available for Analog only. NOT compatible withDigital (TDMA) operations.	257.25	343.00
KHS-7	Single muff headset w/boom mic	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT **Note:** Available for Analog only. NOT compatible withDigital (TDMA) operations.	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black) **Note:** Available for Analog only. NOT compatible withDigital (TDMA) operations.	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black) **Note:** Available for Analog only. NOT compatible withDigital (TDMA) operations.	127.50	170.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	31.50	42.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
SERVICE RELATED ACCESSORIES		**EPL**	**LIST**
KPG-166DNK	Windows® Programming Software for TK-D240V/340U/740HV/840HU	77.44	103.25
KPG-22UM	USB Programming interface cable	121.50	162.00
INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-1798	TK-D240V/340U Programming (with basic TX/RX check)	28.13	37.50

TK-2360/3360

Compact VHF/UHF FM Portable Radios

All 360 series portables include:
- Belt Clip (KBH-12)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

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

GENERAL FEATURES
- 5W (136-174 MHz)
- 5W (450-520, 400-470 MHz)
- 16 Conventional Channels
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert / Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- 3 PF Keys (w/Hold Function)
- Orange Emergency / AUX Key
- 500 mW Audio Power
- Enhanced Kenwood Audio
- Companded Audio (per CH)
- Voice CH# Announcement
- VOX ready
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Emergency Call Features
- Emergency Man-Down Option
- Lone Worker Alert
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- DTMF Encode / Decode

- Special Alert Tone Pattern
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows Programming & Tuning
- Password Protection
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion
- Intrinsically Safe Option*

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Status Messaging
- Emergency Status

MDC-1200
- PTT ID Digital ANI
- Emergency Status
- Radio Check
- Radio Inhibit

--- Must Order **L-1716** for Intrinsically Safe Option ---
* Approved for Classes I, II & III, Div. 1, Groups C, D, E, F, G and are also approved for non-Incentive use in Classes I, II & III, Div. 2, Groups A, B, C, D, F, G hazardous locations.

RADIO		EPL	LIST
TK-2360K	136-174 MHz 5W, 16 CH Conventional	150.00	200.00
TK-3360K	450-520 MHz 5W, 16 CH Conventional	162.75	217.00
TK-3360K2	400-470 MHz 5W, 16 CH Conventional	162.75	217.00
Li-ion VALUE PACKAGES		**EPL**	**LIST**
TK-2360-SLAKVP	VHF Li-ion Value Pack (TK-2360K + KNB-55LAM + KSC-25LSK + KRA-26M)	246.00	328.00
TK-2360-LAKVP	VHF Hi-Cap Li-ion Value Pack (TK-2360K + KNB-57LAM + KSC-25LSK + KRA-26M)	273.75	365.00
TK-3360-SLAKVP	UHF Li-ion Value Pack (TK-3360K + KNB-55LAM + KSC-25LSK + KRA-27M)	258.75	345.00
TK-3360-LAKVP	UHF Hi-Cap Li-ion Value Pack (TK-3360K + KNB-57LAM + KSC-25LSK + KRA-27M)	286.50	382.00
PACKAGES		**EPL**	**LIST**
TK-2360-SLAKP	VHF Standard Slim Package (TK-2360K + KNB-55LAM + KSC-25SK + KRA-26M)	256.50	342.00
TK-2360-LAKP	VHF Premium Package (TK-2360K + KNB-57LAM + KSC-25SK + KRA-26M)	284.25	379.00
TK-3360-SLAKP	UHF Standard Slim Package (TK-3360K + KNB-55LAM + KSC-25SK + KRA-27M)	269.25	359.00
TK-3360-LAKP	UHF Premium Package (TK-3360K + KNB-57LAM + KSC-25SK + KRA-27M)	297.00	396.00
SGS US I.S. APPROVED MODELS		**EPL**	**LIST**
Must Order L-1716 & an Intrinsically Safe Battery per radio			
TK-2360-ISK	136-174 MHz 5W, 16 CH Conventional	150.00	200.00
TK-3360-ISK	450-520 MHz 5W, 16 CH Conventional	162.75	217.00
TK-3360-ISK2	400-470 MHz 5W, 16 CH Conventional	162.75	217.00

TK-2360/3360
Compact VHF/UHF FM Portable Radios

ANTENNAS		EPL	LIST
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.50	14.00
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF Low-profile helical antenna 470-512 MHz	10.50	14.00
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	10.50	14.00
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
KRA-27M3	UHF whip antenna 400-450 MHz	10.88	14.50

BATTERIES AND CHARGERS		EPL	LIST
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	37.50	50.00
KNB-68LC	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger [Intrinsically Safe Option]	91.50	122.00
KNB-55LAM	1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	48.75	65.00
KNB-56N	1400 mAh, Ni-MH battery	61.50	82.00
KNB-57LAM	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	76.50	102.00
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC Li-ion Battery	36.75	49.00
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC	47.25	63.00
KSC-256AK	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L/68LC	558.75	745.00
KMB-30A	Wall Mount Bracket for KSC-326K/326AK/256K/256AK	45.75	61.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	132.75	177.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	186.00	248.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	89.25	119.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	230.25	307.00

CARRYING ACCESSORIES		EPL	LIST
KLH-138	Heavy-Duty Leather Case w/Swivel Belt Loop for 160/170/173/360 (Non DTMF keypad)	37.50	50.00
KBH-12	Spring action belt clip	6.45	8.60
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	21.75	29.00

MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) [Intrinsically Safe Approval Accessory]	66.00	88.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic [Intrinsically Safe Approval Accessory]	39.75	53.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approval Accessory]	281.25	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approval Accessory]	257.25	343.00
KHS-7	Single muff headset w/boom mic [Intrinsically Safe Approval Accessory]	54.00	72.00

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TK-2360/3360

Compact VHF/UHF FM Portable Radios

MICROPHONES & AUDIO ACCESSORIES, CON'T		EPL	LIST
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT **[Intrinsically Safe Approval Accessory]**	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	127.50	170.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
OPTION MODULES		**EPL**	**LIST**
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) **[Intrinsically Safe Approved Accessory]**- Must be Kenwood installed for I.S. Order **L-1679** for FleetSync® operations	17.25	23.00
SERVICE RELATED ACCESSORIES		**EPL**	**LIST**
KPG-128DNK	Windows® Programming Software for TK-2360/3360 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-22UM	USB Programming interface cable	121.50	162.00
INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-1678	TK-2360/3360 Programming (with basic TX/RX check)	28.13	37.50
L-1679	TK-2360/3360 Portable KCT-57MS Installation (for FleetSync®/MDC)	15.00	20.00
L-1716	Configure TK-2360/3360 for Intrinsically Safe **Must Order an I.S. Battery**	52.50	70.00

TK-2312/3312
VHF/UHF Conventional Portable Radios

All 312 series portables include:
• Li-ion Battery (KNB-45L)
• Fast Charger (KSC-35SK)
• Antenna [KRA-26M (VHF)/27M (UHF)]
• Belt Clip (KBH-10)
• 2-PIN Connector Cap
• Instruction Manual
• Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
• 5 W (136-174 MHz) Model
• 5 W (450-520, 400-470 MHz) Models
• Conventional Zones
• 128 Channels / 128 Zones
• Single Priority Scan
• Single & Multi-Zone Scan
• 8 Character Alphanumeric Aliases
• Backlit LCD
• Function / Status LCD Icons
• RSSI Indicator
• Transmit / Busy / Call Alert / Warn LED
• 4-Color LED (Blue/Red/Green/Orange)
• 7 Front Panel PF keys
• 2 Side PF Keys
• 500 mW Audio Power
• Enhanced Kenwood Audio
• Companded Audio (per CH)
• VOX Ready
• Voice Inversion Scrambler Built-in
• 16 Scrambler Codes (per CH)
• Emergency Call Features
• Lone Worker Alert
• QT / DQT
• Two-Tone Decode
• Single / Two-Tone Encode
• Operator Selectable Tone
• DTMF Encode / Decode
• FleetSync®/MDC-1200 (per Zone)

• Special Alert Tone Pattern
• Call Key
• Time Out Timer
• Busy Channel Lockout
• LCD Battery Status Indicator
• Low Battery Alert
• Battery Saver
• Windows® Programming & Tuning
• Wireless Cloning
• Password Protection
• MIL-STD-810 C/D/E/F/G
• IP-54/55 Water & Dust Intrusion

FleetSync®
• PTT ID Digital ANI
• Selective Call & Group Call
• Status Messaging
• Emergency Status
• Caller ID Display
• Short Text Messages
• Send GPS Data (KMC-48GPS)
• PTT ID & Emergency GPS Reporting
• Status Message Block GPS Reporting

MDC-1200
• PTT ID Digital ANI
• Caller ID Display
• Emergency Status
• Radio Check

RADIO		EPL	LIST
TK-2312K	136-174 MHz VHF 5W, 128 Ch. [1]	267.75	357.00
TK-3312K	450-520 MHz UHF 5W, 128 Ch. [2]	267.75	357.00
TK-3312K2	400-470 MHz UHF 5W, 128 Ch. [2]	267.75	357.00
ANTENNAS		**EPL**	**LIST**
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF Low -profile helical antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.50	14.00
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF Low-profile helical antenna 470-512 MHz	10.50	14.00
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	10.50	14.00
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
KRA-27M3	UHF whip antenna 400-450 MHz	10.88	14.50
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/E/SK charger	49.50	66.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	60.00	80.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	28.50	38.00
BATTERIES AND CHARGERS, CON'T		**EPL**	**LIST**
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L Li-ion battery	24.00	32.00
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.75	37.00

TK-2312/3312

VHF/UHF Conventional Portable Radios

KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) **Note:** The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	159.75	213.00
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.75	37.00
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-10	Spring action belt clip	6.45	8.60
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	17.25	23.00
KLH-178	Heavy duty leather carrying case for TK-2312/3312	33.75	45.00
MICROPHONES & AUDIO ACCESSORIES		**EPL**	**LIST**
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	66.00	88.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.75	53.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	281.25	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	257.25	343.00
KHS-7	Single muff headset w/boom mic	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	127.50	170.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
SERVICE RELATED ACCESSORIES		**EPL**	**LIST**
KPG-22UM	USB Programming interface cable	121.50	162.00
KPG-134DNK	Windows® Programming Software for TK-2312/3312 (Compliant with FCC Part 90 Narrowbanding) **Note:** Self-programming function is not available.	77.44	103.25
INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-1688	TK-2312/3312 Programming (with basic TX/RX check)	28.13	37.50

TK-2402V/3402U
VHF/UHF Conventional Portable Radios

GENERAL FEATURES
- 5 W (136-174 MHz) VHF
- 5 W (450-520 MHz) UHF
- 16 Channels
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- 2 PF Keys
- 1.0 W Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio (per CH)
- Voice Annunciation
- VOX Ready
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Emergency Call Features
- Lone Worker Alert (per CH)
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- DTMF Encode / Decode

- Special Alert Tone Pattern
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows® Programming & Tuning
- Wireless Cloning
- Password Protection
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Emergency Status
- Send GPS Data (KMC-48GPS)

MDC-1200
- PTT ID Digital ANI
- Emergency Status
- Radio Check
- Radio Inhibit

All 402 series portables include:
- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Channel Stopper
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

RADIO		EPL	LIST
TK-2402VK	136-174 MHz VHF 5W, 16 Ch.	210.00	280.00
TK-3402UK	450-520 MHz UHF 5W, 16 Ch.	222.75	297.00
ANTENNAS		**EPL**	**LIST**
KRA-41M	VHF stubby antenna 148-162 MHz	10.50	14.00
KRA-41M2	VHF stubby antenna 162-174 MHz	10.50	14.00
KRA-41M3	VHF stubby antenna 136-150 MHz	10.50	14.00
KRA-42M	UHF stubby antenna 440-490 MHz	10.50	14.00
KRA-42M2	UHF stubby antenna 470-520 MHz	10.50	14.00
KRA-22M	VHF low profile antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF low profile antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.50	14.00
KRA-23M	UHF low profile antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF low profile antenna 470-520 MHz	10.50	14.00
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	49.50	66.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	60.00	80.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	28.50	38.00
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	24.00	32.00
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.75	37.00

TK-2402V/3402U

VHF/UHF Conventional Portable Radios

		EPL	LIST
KMB-28AK	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) **Note:** The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. Dimensions: 10.6(W) x 2.4(H) x 9.5(D) inches, Weight: approx. 10 lbs. (loaded with chargers/radios)	159.75	213.00
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.75	37.00
CARRYING ACCESSORIES		***EPL***	***LIST***
KBH-10	Spring action belt clip	6.45	8.60
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-187	Nylon case for TK-*200/*202/*300/*302/*400/*402 Series	11.25	15.00
MICROPHONES & AUDIO ACCESSORIES		***EPL***	***LIST***
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	66.00	88.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.75	53.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancel boom mic /in-line PTT	281.25	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT	257.25	343.00
KHS-7	Single muff headset w/boom mic	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	127.50	170.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
SERVICE RELATED ACCESSORIES		***EPL***	***LIST***
KPG-22UM	USB Programming interface cable	121.50	162.00
KPG-159DNK	Windows® Programming Software for TK-2402VK/3402UK (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
INSTALLATION / TUNING CHARGES		***EPL***	***LIST***
L-1756	TK-2402VK/3402UK Programming (with basic TX/RX check)	28.13	37.50

TK-2400K2/3400K2
VHF/UHF Conventional Portable Radios

GENERAL FEATURES
- 2 W (136-174 MHz) VHF
- 2 W (450-520 MHz) UHF
- 4 & 16 Channel Models
- Single Priority / Normal Scan
- Transmit / Busy / Call Alert Scan / Warn LED
- 4-Color LED (Blue/Red/Green/Orange)
- 2 PF Keys
- 1.0 W Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio (per CH)
- Voice Annunciation
- VOX Ready
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Emergency Call Features
- Lone Worker Alert (per CH)
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- DTMF Encode / Decode

- Special Alert Tone Pattern
- Time Out Timer
- Busy Channel Lockout
- Low Battery Warning
- Battery Saver
- Windows® Programming & Tuning
- Wireless Cloning
- Password Protection
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

FleetSync®
- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Emergency Status
- Send GPS Data (KMC-48GPS)

MDC-1200
- PTT ID Digital ANI
- Emergency Status
- Radio Check
- Radio Inhibit

All 400 series portables include:
- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

RADIO		EPL	LIST
TK-2400K2	136-174 MHz VHF 2W, 16 Ch.	185.25	247.00
TK-3400K2	450-520 MHz UHF 2W, 16 Ch.	197.25	263.00
ANTENNAS		**EPL**	**LIST**
KRA-41M	VHF stubby antenna 148-162 MHz	10.50	14.00
KRA-41M2	VHF stubby antenna 162-174 MHz	10.50	14.00
KRA-41M3	VHF stubby antenna 136-150 MHz	10.50	14.00
KRA-42M	UHF stubby antenna 440-490 MHz	10.50	14.00
KRA-42M2	UHF stubby antenna 470-520 MHz	10.50	14.00
KRA-22M	VHF low profile antenna 148-162 MHz	10.50	14.00
KRA-22M2	VHF low profile antenna 162-174 MHz	10.50	14.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.50	14.00
KRA-23M	UHF low profile antenna 450-490 MHz	10.50	14.00
KRA-23M2	UHF low profile antenna 470-520 MHz	10.50	14.00
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-26M2	VHF helical antenna 162-174 MHz	10.88	14.50
KRA-26M3	VHF helical antenna 136-150 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
KRA-27M2	UHF whip antenna 470-520 MHz	10.88	14.50
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	49.50	66.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	60.00	80.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	28.50	38.00
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	24.00	32.00
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.75	37.00
KMB-28AK	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included)	159.75	213.00

Note: The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.

TK-2400K2/3400K2

VHF/UHF Conventional Portable Radios

BATTERIES AND CHARGERS, CON'T		EPL	LIST
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.75	37.00
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-10	Spring action belt clip	6.45	8.60
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-187	Nylon case for TK-*200/*202/*300/*302/*400/*402 Series	11.25	15.00
MICROPHONES & AUDIO ACCESSORIES		**EPL**	**LIST**
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	66.00	88.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.75	53.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancel boom mic /in-line PTT	281.00	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT	257.25	343.00
KHS-7	Single muff headset w/boom mic	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	127.50	170.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
SERVICE RELATED ACCESSORIES		**EPL**	**LIST**
KPG-22UM	USB Programming interface cable	121.50	162.00
KPG-160DK	Windows® Programming Software for TK-2400/3400	77.44	103.25
INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-1757	TK-2400/3400 Programming (with basic TX/RX check)	28.13	37.50

ProTalk®

NX-P500

UHF BRS Digital & Analog Portable Radios

Includes:
• Belt Clip Holster
• Drop-in charger
• Fixed Antenna
• 2,200 mAh Li-ion Battery
• Instruction Manual
• Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
• Dual Mode NXDN Digital & FM Analog
• UHF 2 Watt Transmit Power
• Small (1.97" W x 3.70" H x 1.07" D) & Lightweight (5.6 oz)
• Li-Ion battery with over 15 Hours (w/Save On) Talk Time (5/5/90 duty cycle)
• 750 mW Loud Speaker
• High Brightness LCD Display
• 7-color LED Indicator
• IP67 Dust & Immersion / MIL-STD-810 C/D/E/F/G
• 6 Channel Operation (Factory pre-set)
• 99 User-Programmable Memory Bank Frequencies
• Digital/Analog Mixed Mode Operation
• Individual Call / Group Call
• Second PTT
• Channel Scan
• NXDN Digital Scrambler
• Repeater Mode
• Wireless Cloning Mode
• Key Lock/Super Lock
• User Programmable QT (45) and DQT (174) Signaling
• Compander
• FleetSync
• LCD Battery Meter & Low Battery Alert
• VOX (Voice-activated transmit)
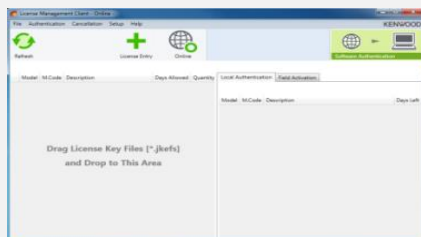• Time Out Timer
• Free Programming Software (KPG-D5)

*Note:
To maintain immersion specs (IP67), all warranty service must be done by one of the two National Kenwood Authorized Service Centers. IP67 Certification is valid under the 2 year Warranty. No re-certification is available.

RADIO		EPL	LIST
NX-P500K	450-470 MHz UHF 2W Digital Transceiver	210.00	280.00
BATTERY AND CHARGER		**EPL**	**LIST**
KNB-81L	Li-ion battery (Same as supplied with NX-P500K)	39.75	53.00
KSC-50K	Li-ion Rapid rate charger (Same as supplied with NX-P500K)	21.75	29.00
KSC-506K	Rapid rate 6-Unit Charger for KNB-81L	156.00	208.00
CARRYING ACCESSORY		**EPL**	**LIST**
KBH-22W	Belt Clip Holster (Same as supplied with NX-P500K)	11.63	15.50
KBH-21W	Belt Clip	7.20	9.60
HEADSETS, MICROPHONE AND SPEAKERS		**EPL**	**LIST**
EMC-13W	Clip Microphone with Earphone	25.50	34.00
KHS-37W	C-Ring Ear Hanger with Flexible Boom Mic	36.00	48.00
KHS-51	C-Ring Ear Hanger with PTT & Mic	18.75	25.00
KHS-52	C-Ring In Ear with PTT & Mic	26.25	35.00
KHS-53	D-Ring with PTT & Mic	26.25	35.00
KHS-54	Acoustic Tube with PTT & Mic	31.25	41.67
KMC-55W	IP67 Speaker Microphone	89.25	119.00

ProTalk®

NX-P500
UHF BRS Digital & Analog Portable Radios

PROGRAMMING SOFTWARE/LICENSE/CABLE		EPL	LIST
KPG-D5	Free Programming Software Downloadable from "http://www.kenwood.com/usa/com/osbr/nx-p500/kpg-d5.html"		N/A
KWD-D5-B1K	BRS Advanced Programming License for KPG-D5 **Note:** - Available to change in the BRS frequencies only. Do not allow to apply LMR frequencies and functions. **-** For programming advanced features and functions not available in the free version. - A license is required to be authenticated by KPT-300LMC.	193.88	258.50
KWD-D5-L1K	**LMR** Frequency Programming License for KPG-D5 **Note:** **-** Ability to custom program any frequency between 450 MHz and 470 MHz. - Ability to program advanced features and functions not available in the base free version.	231.38	308.50
KPG-186UW	Programming Cable	121.50	162.00

LICENSING SYSTEM	

Note: KPT-300LMC is compatible with Windows Vista/7/8/8.1/10 Only. Windows XP is not

KPT-300LMC
License Management Client

KPT-300LMC is a required software package that is used to authenticate **Programming Software License**.

To get KPT-300LMC, please contact to the Land Mobile Order Desk when you submit an order of Programming License.

License Keys will be emailed to the address provided on the Software License Key Request Form (BRS). A hard copy will follow by mail for your records.

TO PLACE AN ORDER FOR SOFTWARE LICENSE:
1. Complete the attached Software License Key Request Form. To get the form, contact JVCKENWOOD Sales Staff.
2. Submit along with your PO to the Land Mobile Order Desk via:
 a) E-Mail: lmrorderdesk@us.jvckenwood.com
 b) Fax: (310) 761-8246
3. License Keys will be emailed to the address provided on the order form. A hard copy will follow by mail for your records.

KPT-300LMC	License Management Client		NC
SERVICE RELATED		**EPL**	**LIST**
L-1867	Convert from BRS mode to LMR Mode to be programmed by KPG-D5-L1K	18.75	25.00
L-1858	Change channel to other frequencies or program NX-P500K	18.75	25.00

ProTalk

TK-2400V16P/3400U16P
VHF/UHF BRS Portable Radios

GENERAL FEATURES
- 2 W (151-159 MHz) VHF
- 2 W (451-470 MHz) UHF
- 4 & 16 Channel Models
- 90 UHF & 27 VHF Pre-programmed Banked Frequencies
- Normal Scan
- Transmit / Busy / Call Alert / Scan / Warn LED
- 2 PF Keys
- Super Lock (Manager Key Lock)
- 1.0 W Speaker Audio
- Enhanced Kenwood Audio
- Companded Audio
- Voice Announcement
- Channel Confirmation Mode
- VOX Ready
- Voice Inversion Scrambler Built-in
- QT / DQT
- 10 Call Alerting Tones

- Time Out Timer
- Low Battery Warning
- Battery Saver
- Windows® Programming & Tuning
- Wireless Cloning
- Password Protection
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion

All 400P series portables include:
- Li-ion Battery (KNB-45L)
- Fast Charger (KSC-35SK)
- Antenna [KRA-26M(VHF)/27M(UHF)]
- Belt Clip (KBH-10)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

RADIO		EPL	LIST
TK-2400V16P	151-159 MHz VHF 2W, 16 Ch.	185.25	247.00
TK-3400U16P	451-470 MHz UHF 2W, 16 Ch.	201.75	269.00
ANTENNAS		**EPL**	**LIST**
KRA-41M	VHF stubby antenna 148-162 MHz	10.50	14.00
KRA-42M	UHF stubby antenna 440-490 MHz	10.50	14.00
KRA-22M	VHF low profile antenna 148-162 MHz	10.50	14.00
KRA-23M	UHF low profile antenna 450-490 MHz	10.50	14.00
KRA-26M	VHF helical antenna 146-162 MHz	10.88	14.50
KRA-27M	UHF whip antenna 440-490 MHz	10.88	14.50
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	49.50	66.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	60.00	80.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	28.50	38.00
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	24.00	32.00
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.75	37.00
KMB-28AK	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included)	159.75	213.00
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.75	37.00
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-10	Spring action belt clip	6.45	8.60
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	20.25	27.00
KLH-187	Nylon case for TK-*200/*202/*300/*302/*400/*402 Series	11.25	15.00

ProTalk
TK-2400V16P/3400U16P
VHF/UHF BRS Portable Radios

MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.75	53.00
KHS-10D-BH	Hvy-duty noise reduction behind-the-headset w/noise cancel boom mic /in-line PTT	281.25	375.00
KHS-10D-OH	Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT	257.25	343.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
KHS-7	Single muff headset w/boom mic	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	127.50	170.00
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature	66.00	88.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-22UM	USB Programming interface cable	121.50	162.00
KPG-160DK	Windows® Programming Software for TK-2400/3400	77.44	103.25

-- NOTES --

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

ProTalk

TK-3230DX

UHF BRS Portable Radios

XLS series portable includes:
• Spring action belt clip
• Rapid Rate Drop-in charger
• Fixed Antenna
• 2000 mAh Li-ion Battery
• Instruction Manual
• Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
• UHF 1.5 Watt or 500 mW Transmit Power
• Extra Durable Polycarbonate Housing
• Small (2.07" W x 4.07" H x 1.17" D) & Lightweight (5.5 oz)
• Li-Ion battery with over 14 Hours Talk Time (5/5/90 duty cycle)
• Over 18 Hours Talk Time (with Battery Save On) 5/5/90 duty cycle
• 6 Channel Operation (factory pre-set)
• 99 User-Programmable Memory Bank Frequencies
• Channel Scan
• Wireless Cloning Mode
• Key Lock/Super Lock
• User Programmable QT (39) and DQT (168) Signaling
• Selectable Power On Tone
• 10 Call Alert Tones
• Voice Scrambler
• Speaker Mute Function
• Compander
• SelCall (for Caller ID)
• LCD Battery Meter & Low Battery Alert
• VOX (Voice-activated transmit) w/3 Sensitivity Levels
• Time Out Timer
• 2 Color Transmit / Busy LED/ Backlit LCD Display
• 3 Function Keys: Menu, Call, Monitor
• Audio Accessory Jack
• Antenna (fixed non-removable)
• Passes 8 Rugged Mil-Spec 810 C, D, E, F & G Standards

RADIO		EPL	LIST
TK-3230DXK	450-470 MHz UHF 1.5W or 500 mW, 6 Ch. Portable Transceiver	172.50	230.00
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-46L	Li-Ion battery (Same as supplied with TK-3230DXK)	37.50	50.00
KSC-37S	Li-Ion Rapid rate charger (Same as supplied with TK-3230DXK)	24.00	32.00
KMB-27	Six Unit Charger Adapter for the KSC-28/37/37S chargers (chargers not included)	159.75	213.00
	Note: The six KSC-xx AC wall Adapters are NOT used in the KMB-27 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. Dimensions: 10.6(W) x 2.4(H) x 9.5(D) inches, Weight: approx. 10 lbs. (loaded with		
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-14M	Spring action belt clip (Same as supplied with TK-3230DXK)	7.20	9.60
KLH-150	Nylon case for TK-3230/TK-3230DX (Black)	11.25	15.00
MICROPHONES & AUDIO ACCESSORIES		**EPL**	**LIST**
KEP-2	2.5mm earphone kit for KMC-17/45D Speaker Mic [KEP-2 & KMC-21 are not plug-compatible]	39.75	53.00
KHS-10D-BH	Hvy-duty behind-the-headset w/noise cancelling boom mic & in-line PTT	281.25	375.00
KHS-10D-OH	Hvy-duty over-the-headset w/noise cancelling boom mic & in-line PTT	257.25	343.00
KHS-7	Single muff headset w/boom mic	54.00	72.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	80.25	107.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	78.75	105.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	127.50	170.00
KHS-22A	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	31.50	42.00
KHS-26	Clip Mic w/earphone	21.75	29.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.75	25.00
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	23.25	31.00
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	66.00	88.00

ProTalk

TK-3230DX
UHF BRS Portable Radios

ProTalk

TK-3230DX
UHF BRS Portable Radios

INSTALLATION / TUNING CHARGES	EPL	LIST
L-1077 Change Channel to other frequencies or program TK-3230DX	18.75	25.00

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

ProTalk

PKT-23
UHF BRS Portable Radios

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

* All Accessories / options: 1 Year

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

RADIO		EPL	LIST
PKT-23K	451-470 MHz UHF 1.5W or 500 mW, 4 Ch. Ultra Compact Portable	133.50	178.00
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-71L	Li-Ion battery (Same as supplied with PKT-23K)	21.75	29.00
KSC-44K	Li-Ion Fast rate charger/AC Power Supply (Same as supplied with PKT-23K)	19.50	26.00
KMB-44K	Six Unit Charging Cup and Muli-AC Adapter (Charging Cups not included)	127.50	170.00
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-20M	Belt Clip (Same as supplied with PKT-23K & bulk PKT-23BKP)	7.20	9.60
MICROPHONES & AUDIO ACCESSORIES		**EPL**	**LIST**
KHS-33	Clip Mic w/earphone single pin (only compatible with PKT-23)	21.75	29.00
KHS-34	C-Ring Ear Hanger w/PTT & Mic single pin (only compatible with PKT-23)	27.00	36.00
INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-1773	Change channel to other frequencies or program PKT-23	18.75	25.00

-- NOTES --

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

NEXEDGE®
P25 DMR

NX-5700/5800/5900

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

Table of Contents

STANDARD

■ GENERAL FEATURES

- 50 W (136-174 MHz) Models
- 45 W (380-470, 450-520 MHz) Models
- 35 W (700/800 MHz) Models
- 1024 CH-GID / 128 Zones
- Full Color 2.55" (154 x 422 pixels) TFT Display
- Multi-line Text Display
- Function/Status Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- Emergency/AUX Key
- 4W Speaker Audio
- DB-25 Accessory Connector
- Multi Digital Protocol [1]
- Emergency Call Features
- Built-in GPS Receiver
- Built-in Bluetooth® Module
- Built-in 56-bit DES Encryption
  (4 keys programmable by KPG-D1(N)K)
- Moblie Relay Station[2] (DMR Mode[3])
- Cross Band Repeater (Only
- Active Noise Reduction (ANR)
- KPG-D1N Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55

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.

■ DIGITAL – NXDN® MODE

- NXDN® Conventional0
- 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
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

■ DIGITAL – DMR MODE

- DMR Tier II Conventional
- 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
- 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

NX-5000(K-version*) Mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket (KMB-33M)
- DC Cable (KCT-23M)
- Blade Fuse
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

***BK-version comes with a RF deck only**

OPTIONAL

■ GENERAL FEATURES

- 4000 Channel (KWD-5000CH License Key Activation required)
- Front Panel Programming (KWD-5001FP License Key Activation required)
- microSD/microSDHC Memory Card Slot (KWD-5002SD License Key Activation required)
- Built-in Bluetooth® Module for Data (KWD-5003BT License Key Activation required)
- Remote Control by Subscriber Units (KWD-5007RC License Key Activation required)

■ DIGITAL – P25 MODE

- Conventional Features (KWD-5100CV License Key Activation required)
- Phase 1 Trunking Features (KWD-5100CV & 5101TR License Keys Activation required)
- Phase 2 Trunking Features (KWD-5100CV & 5101TR & 5102TR License Keys Activation required)
- Conventional OTAR (KWD-5103RK License Key Activation required)
- Trunking OTAR (KWD-5103RK & 5106DT License Keys Activation required)
- Conventional Voting Scan (KWD-5105VT License Key Activation required)
- Packet Data required for Trunked OTAR/GPS (KWD-5106DT License Keys Activation required)

■ DIGITAL – DMR MODE

- DMR Tier 2 Conventional Features (KWD-5300CV License Key Activation required))

■ MOUNTING & REMOTE CONFIGURATIONS
(Order L-5029~L-5038 for KENWOOD Factory assembling)

- 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*)

NX-5700/5800/5900
VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios

NEXEDGE® P25 DMR

RADIO (includes: KCH-19M, KMC-35, KMB-33M, and KCT-23M)		EPL	LIST
NX-5700K	VHF (136-174MHz), 50 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	750.00	1,000.00
NX-5800K	UHF (450-520MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	750.00	1,000.00
NX-5800K2	UHF (380-470MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	750.00	1,000.00
NX-5900K	700 / 800 MHz, 30/35 Watts NXDN Conventional / 800MHz TYPE-C (Gen1/Gen2) Trunking	956.25	1,275.00

RF Deck Only		EPL	LIST
	MUST purchase necessary accessories separately		
NX-5700BK	NX-5700K (50W, 136-174 MHz) RF Deck Only (KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable not included)	551.25	735.00
NX-5800BK	NX-5800K (45W, 450-520 MHz) RF Deck Only (KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable not included)	551.25	735.00
NX-5800BK2	NX-5800K2 (45W, 380-470 MHz) RF Deck Only (KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable not included)	551.25	735.00
NX-5900BK	NX-5900K (35W, 700/800 MHz) RF Deck Only (KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable not included)	757.50	1,010.00

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 Serial Port Profile (Required for Date Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	26.25	35.00
KWD-5004MR	License Key for Multiple RF Decks Receiver **Note: Required ONLY for the radios with S/N: B5900000 or earlier.**	N/C	N/C
KWD-5007RC	License Key for Remote Control by Subscriber Units **Note:** - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	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)	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 Data **Note**: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	135.00	180.00

DMR Radio Features		EPL	LIST
KWD-5300CV	License Key for DMR Tier II Conventional	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

NEXEDGE®
P25

NX-5700H
VHF Digital & FM Analog Mobile Radio

STANDARD

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

All Accessories / options: 1 Year

■ GENERAL FEATURES

• 110 W (136-174 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
• IP54/55

■ 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

■ 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
• 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)

■ 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)

■ DIGITAL – NXDN MODE

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

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

■ Multi-Deck Compatible Models & Modes

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

NEXEDGE® P25

NX-5700H
VHF Digital & FM Analog Mobile Radio

RF Deck Only		EPL	LIST
MUST purchase necessary accessories separately			
NX-5700HBF	NX-5700HBF (110W, 136-174 MHz) RF Deck Only, NXDN Conv & P25 Conv (Remote Control Head, Microphone, Bracket, DC Cable not included)	1545.00	2060.00

NEXEDGE®
P25

NX-5700H
VHF Digital & FM Analog Mobile Radio

NX-5700HB RADIO FEATURE LICENSE OPTIONS

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

* TO PLACE AN ORDER FOR RADIO FEATURE LICENSES:
1. Complete the attached Radio Feature Request Form.
2. Submit the completed form along with your PO to the Land Mobile Order Desk via:
   a) E-Mail: lmrorderdesk@us.jvckenwood.com
   b) Fax: (310) 761-8246
3. License Keys will be E-mailed to the address provided on the request form. A hard copy will follow by mail for your records.

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

General Radio Features		EPL	LIST
KWD-5000CH	License Key for 4000 Channel Expansion	315.00	420.00
KWD-5001FP	License Key for Front Panel Programming	225.00	300.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	78.75	105.00
KWD-5003BT	License Key for Bluetooth Data (Required for Data Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	26.25	35.00
KWD-5007RC	License Key for Remote Control by Subscriber Units **Note:** - P25 Mode is <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-5101TR	License Key for P25 Phase 1 Trunking **Note:** Required for Link Layer Authentication	390.00	520.00
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5101TR)	300.00	400.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	525.00	700.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	90.00	120.00
KWD-5106DT	License Key for P25 Trunking OTAR / GPS Note: Conventional (OTAR/GPS) DO NOT require KWD-5106DT.	135.00	180.00
NXDN Radio Features		EPL	LIST
KWD-5201TR	License Key for NXDN Type-C Trunking	52.50	70.00
Other Accessories, Software, and Services		EPL	
Refer to NX-5000 series mobile accessory pages			

NEXEDGE®
P25

NX-5600H
Lowband Digital & FM Analog Mobile Radio

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
• 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)

■ 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-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)	1337.48	1783.30

NEXEDGE® P25

NX-5600H
Lowband Digital & FM Analog Mobile Radio

NX-5600HB RADIO FEATURE LICENSE OPTIONS

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

* TO PLACE AN ORDER FOR RADIO FEATURE LICENSES:
1. **Complete the attached Radio Feature Request Form.**
2. **Submit the completed form along with your PO to the Land Mobile Order Desk via:**
   a) **E-Mail: lmrorderdesk@us.jvckenwood.com**
   b) **Fax: (310) 761-8246**
3. **License Keys will be E-mailed to the address provided on the request form. A hard copy will follow by mail for your records.**

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

General Radio Features		EPL	LIST
KWD-5000CH	License Key for 4000 Channel Expansion	315.00	420.00
KWD-5001FP	License Key for Front Panel Programming	225.00	300.00
KWD-5002SD	License Key for microSD Memory Card Slot Activation	78.75	105.00
KWD-5003BT	License Key for Bluetooth Data (Required for Data Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option.	26.25	35.00
KWD-5007RC	License Key for Remote Control by Subscriber Units **Note:** - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	30.00	40.00
Other Accessories, Software, and Services			
Refer to NX-5000 series mobile accessory pages			

NX-5000 Series
Mobile Accessories

MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	39.75	53.00
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	72.75	97.00
RPSP-15	External speaker, 5W, 8ohm low profile, 3.5mm plug	18.75	25.00
KES-5A	External speaker, 40W max input **Note:** Requires KCT-72M to connect to Remote Control Head	45.94	61.25
KCT-72M	External Accessory Connection Cable for KCH-19M / KCH-20RM	27.75	37.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) **Note:** NOT compatible with TDMA operations	66.00	88.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug)	137.25	183.00
DC POWER CABLES		**EPL**	**LIST**
KCT-23M	DC Cable, 35-50W, 10 feet **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	24.00	32.00
KCT-23M3	DC Cable, 35-50W, 23 feet **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	26.25	35.00
KCT-23M2	DC Cable, 75-110W, 10 feet **Note:** For high power mobiles (NX-5600HB/5700HB) only.	30.00	40.00
KCT-23M4	DC Cable, 75/110W, 23 feet **Note:** For high power mobiles (NX-5600HB/5700HB) only.	34.50	46.00
MOUNTING BRACKETS		**EPL**	**LIST**
KMB-33M	Mounting Bracket **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	10.88	14.50
KMB-36	Mounting Bracket **Note**: For high power mobiles (NX-5600HB/5700HB) only.	57.75	77.00
CONTROL HEADS		**EPL**	**LIST**
KCH-19M	Basic Control Panel	137.25	183.00
KRK-14HM	Control Head Interface Kit for KCH-19M	121.50	162.00
KCH-20RM	Full Featured Remote Control Panel **Note**: - Remote configuration only. No Internal Speaker included. KES-5A is required. - microSD License (KWD-5002SD) and Bluetooth SPP License (KWD-5003BT) are **NOT** required for both **KCH-20RM** and **connected RF Decks**.KCH-20RM and connected RF Decks can be used of microSD and Bluetooth SPP with **NO** License Activation.	459.00	612.00
KCH-21RM	Hand Held Control Head for Long Cable *Requires KCT-77M2 (17 ft.) **Note:** - Bluetooth SPP License (KWD-5003BT) is NOT required for both KCH-21RM and connected RF Decks.KCH-21RM has built-in Bluetooth SPP license that will also activate the connected RF Decks.	761.25	1015.00
KCH-21RM-S	Hand Held Control Head with Short Cable (4 ft.) **Note:** - Bluetooth SPP License (KWD-5003BT) is NOT required for both KCH-21RM and connected RF Decks.KCH-21RM has built-in Bluetooth SPP license that will also activate the connected RF Decks.	761.25	1015.00

NX-5000 Series Mobile Accessories

CONTROL HEAD REMOTE KIT (for Mid Power Mobiles)		EPL	LIST
KRK-15BM	Control Head Remote Kit **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	38.25	51.00

REMOTE & MULTI RF DECK CABLES		EPL	LIST
KCT-71M2	Remote Control Cable (17 feet)	54.00	72.00
KCT-71M3	Remote Control Cable (25 feet)	61.50	82.00
KCT-71M4	Remote Control Cable (1.6 feet)	34.50	46.00
KCT-71A50	KCT-71A Extended Control Head Cable (up to 50 ft. max.) **Note**: Please specify exact length at 1ft. increments when ordering. **Caution**: Extended control head cables exhibit a loss in speaker audio power to the control heads	142.50	190.00
KCT-71A100	KCT-71A Extended Control Head Cable (up to 100 ft. max.) **Note**: Please specify exact length at 1ft. increments when ordering. **Caution**: Extended control head cables exhibit a loss in speaker audio power to the control heads	183.75	245.00
KCT-77M2	Remote Control Cable for KCH-21RM (17 feet)	140.25	187.00

OTHER ACCESSORIES		EPL	LIST
KCT-46	Ignition sense cable **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	10.50	14.00
KCT-18	Ignition sense cable **Note:** For high power mobiles (NX-5600HB/5700HB) only.	10.50	14.00
KAP-2	Horn Alert/P.A. Relay Option **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	48.00	64.00
KCT-72M	External Accessory Connection Cable for KCH-19M / KCH-20RM	27.75	37.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.25	43.00
KMB-10	Key lock adapter **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	20.25	27.00
KRA-40GM	GPS Antenna	32.25	43.00
KCT-90USB	USB Mobile Cable for SD Card Direct Access Support **Note**: microSD function requires KWD-5002SD license.	71.25	95.00
KCT-91MRS	DB25 Cable for Mobile Relay Station (Conventional Only) **Note**: - Mobile Relay Station requires Multi RF Deck Configuration. - Built-in GPS and Bluetooth are not available with Mobile Relay Station. - DMR mode is not available	26.25	35.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	132.75	177.00
KMB-34	Control Station Mounting Case for KPS-15 Power Supply with mobile **Note:** For mid power mobiles (NX-5700/5700B/5800/5800B/5900/5900B) only.	36.75	49.00

RADIO FEATURE LICENSE OPTIONS		EPL	LIST

Refer to model page for available Radio Feature Licenses.

Radio & Feature compatibility may differ per model.

Offline Authentication Option		EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License ***Note:*** *- Must purchase Radio Feature Licenses separately.* *- Can be used with only one (1) Account Registration Key.* *- Requires KPT-300LMC V1.10 or higher.* *- Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB.* ***Warranty Information:*** *- Damaged USB License Storage "KWD-OFL-USB"* *a. Remaining Licenses will not be warranted.*	152.25	203.00

NEXEDGE® P25 DMR

NX-5000 Series
Mobile Accessories

ENCRYPTION MODULES		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code **L-5003** if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.) KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). **Note:** Required for Link Layer Authentication **[Intrinsically Safe Option]- Must be Kenwood installed for I.S.**	650.25	867.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code **L-5004** if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.) **Note**: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) **Note:** Required for Link Layer Authentication **[Intrinsically Safe Option]- Must be Kenwood installed for I.S.**	421.50	562.00

-- IMPORTANT NOTES regarding ENCRYPTION MODULES--

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

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later):
a) **Initial Destination:** Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
b) **Ultimate Destination**: Final delivery point(s); deployment/distribution
* Business/Agency Name:
* Address:
* Contact Person Name:
* Contact Phone:
c) **Intended Use of Radios**: Law enforcement, security, operations, etc.

KWD-AE30 AES FIPS140-2 SCM , NIST Validation & Customer Shipping
A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE30K modules to erroneous destinations specified on an order.

NEXEDGE®
P25 DMR

NX-5000 Series
Mobile Accessories

REMOTE & MULTI-RF DECK CONFIGURATIONS

DIY - CONFIGURATION GUIDE

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

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

This order guide is intended for DIY configuring and assembly of NX-5000 multi-deck configuration.

For Factory Assermly orders, refer to convenient Accessory Kit & Assembly Labor codes.

STEP 1.	Select Mobile(s) / Up to 3 mobiles of any combination
	- Mid Power Mobiles : NX-5700B, NX-5800B, NX-5900B
	- High Power Mobiles : NX-5600HB, NX-5700HB

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:

STEP 6.	Add Deck to Deck Connection Cable (ONLY for multi-RF configuration)
	- For Dual-band configuration : Requires ONE x KCT-71M4 (1.6ft.)
	- For Tri-band configuration : Requires TWO x KCT-71M4 (1.6ft)

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NEXEDGE®
P25 DMR

NX-5000 Series
Mobile Accessories

CONVENIENT REMOTE & MULTI-RF DECK ACCESSORY KITS

MID POWER / Remote Kit - Single Head / Single RF Deck		EPL	LIST
5ABM	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM, KCT-71M2, KCT-23M3, KMB-33M	427.50	570.00
5AFM	KMC-65M, KCH-20RM, KRK-15BM, KCT-71M2, KCT-23M3, KMB-33M, KES-5A, KCT-72M	701.25	935.00
5AHM	KCH-21RM, KRK-15BM, KCT-77M2, KCT-23M3, KMB-33M	976.50	1302.00

MID POWER / Remote Kit - Dual Head / Single RF Deck		EPL	LIST
5ABBM	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KRK-15BM, KCT-71M2(x2), KCT-23M3, KMB-33M	780.00	1040.00
5AFFM	KMC-65M(x2), KCH-20RM(x2), KRK-15BM, KCT-71M2(x2), KCT-23M3, KMB-33M, KES-5A(x2), KCT-72M(x2)	1328.25	1771.00

MID POWER / Remote Kit - Single Head / Dual RF Deck		EPL	LIST
5ABMM	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2)	537.00	716.00
5AFMM	KMC-65M, KCH-20RM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A, KCT-72M	810.75	1081.00
5AHMM	KCH-21RM, KRK-15BM(x2), KCT-77M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2)	1086.00	1448.00

MID POWER / Remote Kit - Single Head / Dual RF Deck, External Speakers per deck		EPL	LIST
5ABMM-MR	KMC-65M, KCH-19M, KRK-14HM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	725.25	967.00
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)	925.50	1234.00
5AHMM-MR	KCH-21RM, KRK-15BM(x2), KCT-77M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	1274.25	1699.00

MID POWER / Remote Kit - Dual Head / Dual RF Deck		EPL	LIST
5ABBMM	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2)	889.50	1186.00
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)	1437.75	1917.00

MID POWER / Remote Kit - Dual Head / Dual RF Deck, External Speakers per deck		EPL	LIST
5ABBMM-MR	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	1077.75	1437.00
5AFFMM-MR	KMC-65M(x2), KCH-20RM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5A(x2), KAP-2(x2)	1437.75	1971.00

HIGH POWER / Single Head Remote Mount Kit		EPL	LIST
6ABMIG	KMC-65M, KCH-19M, KRK-14HM, KCT-71M2, KCT-23M4, KCT-18, KMB-36	455.25	607.00
6AFMIG	KMC-65M, KCH-20RM, KCT-71M2, KCT-23M4, KCT-72M, KES-5A, KCT-18, KMB-36	729.00	972.00
6AHMIG	KCH-21RM, KCT-77M2, KCT-23M4, KCT-18, KMB-36	1004.25	1339.00

HIGH POWER / Single Deck Dual Head Remote Mount		EPL	LIST
6ABBMIG	KMC-65M(x2), KCH-19M(x2), KRK-14HM(x2), KCT-71M2(x2), KCT-23M4, KCT-18, KMB-36	807.75	1077.00
6AFFMIG	KMC-65M(x2), KCH-20RM(x2), KCT-71M2(x2), KCT-23M4, KCT-72M(x2), KES-5A(x2), KCT-18, KMB-36	1356.00	1808.00

NEXEDGE® P25 DMR

NX-5000 Series
Mobile Accessories

REMOTE & MULTI-RF DECK ASSEMBLY LABORS		EPL	LIST

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

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

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

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

2 x NX-5x00BK ….. Any of mid power deck, any band

1 x NX-5x00HBF ….. Any of high power deck, any band

1 x 5AFMM ….. Accessory kit for two mid power decks

1 x KCT-71M4 ….. Connector cable to bridge two accessory packages

1 x 6AFMIG ….. Accessory kit for high power deck

1 x L-5037 ….. Labor code for Triple Deck Radio assembly

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

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

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

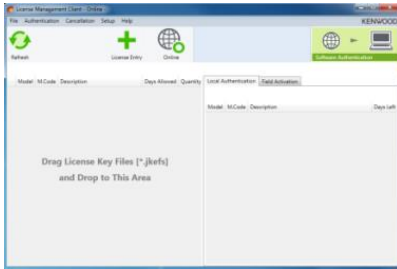| INSTALLATION / TUNING SERVICES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) **Note:** Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory	90.00	120.00
L-5006	NX-5000 Mobile Programming (with 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/**INTERNAL** Sp./PA. **Note:** This labor code is only for individual orders for mobile configuration. The labor code (L-5032, 5034, and 5036) for Multi RF Deck Configuration Package includes installation of KAP-2.	18.75	25.00
L-5019	Install KAP-2 (Default) HR1/**EXTERNAL** Sp./PA. **Note:** This labor code is only for individual orders for mobile configuration. The labor code (L-5032, 5034, and 5036) for Multi RF Deck Configuration Package includes installation of KAP-2.	18.75	25.00
L-5051	P25 CAP Compliance of Non-Encrypted Radio - Disable Built-in DES	37.50	50.00

NEXEDGE® P25 DMR

NX-5000 Series
Mobile Accessories

PROGRAMMING CABLES		EPL	LIST
KPG-115	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	201.00	268.00
KPG-115AUT	KVL-4000 Radio Authentication Cable	252.75	337.00
	Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.		
KPG-46XM	Full Speed USB Programming interface cable	121.50	162.00
	Note: This cable with USB mode may be used for SD Card Direct Access.		

SOFTWARE LICENSING SYSTEM	EPL	LIST

KPT-300LMC
License Management Client

KPT-300LMC is a required software package that is used to authenticate **software** (FPU) and **radio feature license** keys for the NX-5000 Series radios.

KPT-300LMC is available as a free download from Kenwood Tools and is also supplied with applicable software, such as KPG-D1NK, KAS-12, and KPG-AE1/DE1.

NOTE: A license key is required for the KPT-300LMC to authenticate the software prior to use. To receive a license key, complete the enclosed "**Account Request Form**" and return to the Land Mobile Order Desk.

License Keys will be E-Mailed to the address provided on the Account Request Form. A hard copy will follow by mail for your records.

Note: KPT-300LMC is compatible with Windows Vista/7/8/8.1/10 Only. Windows XP is not supported.

KPT-300LMC	License Management Client		NC
L-5000	Account Registration Key		NC
	Note: specify the number of PC's used for Radio Feature License Activation.		

SOFTWARE LICENSE OPTIONS	EPL	LIST

TO PLACE AN ORDER FOR SOFTWARE:

1. **Complete the attached Software License Key Request Form.**
2. **Submit along with your PO to the Land Mobile Order Desk via:**
   a) **E-Mail: lmrorderdesk@us.jvckenwood.com**
   b) **Fax: (310) 761-8246**
3. **License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.**

Note: A unique license key is required for each PC with software installed. A single license key will not authorize multiple PCs.

Software License Key Discount Structure

1 License Key	---
2 ~ 4 License Keys	**10% OFF**
5 ~ 14 License Keys	**35% OFF**
15 ~ 24 License Keys	**40% OFF**
25+ License Keys	**45% OFF**

FIELD PROGRAMMING UNIT (FPU)		EPL	LIST
KPG-D1NK	License Key for KPG-D1NK	116.25	155.00
	Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1)		
	Note: Requires KPT-300LMC for authentication		
	Note: Requires P25 Trunk system programming privileges for P25 Trunk programming. Must purchase L-5005 or KWD-ASK Hardware Access Keys		

Programming for P25 Trunked system	EPL	LIST

NEXEDGE®
P25 DMR

NX-5000 Series
Mobile Accessories

L-5005	KPG-D1NK System Key File (SKF) **Note**: Enables P25 Trunked system programming privileges in a KPG-D1NK. **- Restricted Purchase Requirements -** • Trunked system operator (SYSOP) must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Must have KPG-D1NK. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • Non-SYSOP entities ordering L-5005 must provide verifiable written authorization from SYSOP to receive an *.SKF file.	99.00	132.00
KWD-ASK-MK	Master Key for activating KWD-ASK-AK Access Keys **- Restricted Purchase Requirements -** **Notes:** • For NX-5000 series only. • Sold to trunked system operator (SYSOP) or SYSOP authorized entities only • Must have KPG-D1NK • SYSOP must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools.	382.50	510.00
KWD-ASK-AK	Access Key for KPG-D1NK P25 trunked programming **Notes:** Enables P25 Trunked system programming privileges in a KPG-D1NK. • For NX-5000 series only • Must be activated by trunked system operator (SYSOP) with KWD-ASK-MK Master Key • Must have KPG-D1NK • Configurable expiration period of KWD-ASK-AK set by KWD-ASK-MK is available for 3 years for built in battery. USB Key must be replaced since the expiration set up dose not work after 3 years.	159.75	213.00

SOFTWARE KEYLOADER		*EPL*	*LIST*
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K **Authentication by KPT-300LMC is required** **Note**: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)	401.25	535.00
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K **Authentication by KPT-300LMC is required**	276.00	368.00

NEXEDGE® P25 DMR

NX-5000 Series
Mobile Accessories

OVER THE AIR PROGRAMMING (OTAP)		*EPL*	*LIST*
KPG-180AP	OTAP Manager Software (Windows® Vista/7/8/8.1/10) • License includes Fifty (50) radios / One(1) **NXDN** Conventional and Type-C **Air** Communication Profile and One(1) **NXDN** Conventional and Type-C **IP** Communication Profile **Note:** - *Requires KPT-300LMC for authentication* - *Radio to Radio OTAP for* <u>P25 Conventional system</u> *requires* <u>KWD-AP3-P25</u> *license.*	663.00	884.00

SOFTWARE UPGRADE LICENSES FOR KPG-180AP

Note: Includes package license for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP software. All additional licenses require KPT-300LMC for authentication.

KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1250.25	1667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2187.75	2917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3125.25	4167.00
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2) .	312.75	417.00
KWD-AP3-P25	P25 Radio to Radio Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as P25 Base Station Serial Interface for only Radio to Radio Communication.	600.00	800.00

-- IMPORTANT NOTES--

Base radios are connected to a computer using the KPG-36XM USB adapter for portables, or a KPG-46XM for mobiles.

Requires firmware version 1.4 or higher for the NX-5000 Series portables and mobiles

Requires firmware version 2.5 or higher for the NXR-x00/NXR-x10 repeaters.

Requires firmware version 1.0 or higher for the NXR-5xxx repeaters

FleetSync® & NEXEDGE® AVL & MESSAGING		*EPL*	*LIST*
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch **Note:** - Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft®MapPoint®2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for details.	325.50	434.00

NEXEDGE®
DMR

NX-3720HG/3820HG
VHF/UHF Digital & FM Analog Mobile Radios

STANDARD

■ GENERAL FEATURES

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

All NX-3000 Series Mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- Blade Fuse
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

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

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

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

■ DIGITAL – NXDN® MODE

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

■ DIGITAL – DMR MODE

- DMR Tier II Conventional Standard
- AMBE+2™VOCODER
- 12.5 kHz Channels
- Site Roaming
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Control by Subscriber Units
- ARC4 Encryption

■ 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)

OPTIONAL FEATURES

- 1000 Channel (**KWD-3000CH** License Key Activation required)
- Front Panel Programming (**KWD-3001FP** License Key Activation required)
- Built-in Bluetooth® Module for Data (**KWD-3002BT** License Key Activation required)
- Digital Trunking (**KWD-3501TR** License Key Activation required)
- DMR ARC4 Enhanced Encryption (**KWD-3502EE** License Key Activation required)
- AES/DES Encryption (**KWD-3503AE** License Key Activation required)
- Remote Control by Subscriber Units (**KWD-3504R**C Software License Key required)

RADIO		EPL	LIST
NX-3720HGK	VHF (136-174MHz), 50 Watts, 512 CH, 128 Zones	522.75	697.00
NX-3820HGK	UHF (450 - 520MHz), 45 Watts, 512 CH, 128 Zones	522.75	697.00
NX-3820HGK2	UHF (400 - 470MHz), 45 Watts, 512 CH, 128 Zones	522.75	697.00
RADIO TRUNKING PACKAGE		EPL	LIST
NX-3720HGK-TR	VHF (136-174MHz), 50 Watts, 512 CH, 128 Zones with Digital Trunking	541.50	722.00
NX-3820HGK-TR	UHF (450 - 520MHz), 45 Watts, 512 CH, 128 Zones with Digital Trunking	541.50	722.00
NX-3820HGK2-TR	UHF (400 - 470MHz), 45 Watts, 512 CH, 128 Zones with Digital Trunking	541.50	722.00
Field Programming Unit (FPU)		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile **Note:** Requires KPT-300LMC for authentication	116.25	155.00

NX-3720HG/3820HG
VHF/UHF Digital & FM Analog Mobile Radios

Over The Air Programming (OTAP)		EPL	LIST
KPG-180AP	Licence Key for KPG-180AP OTAP Manager Software • License includes Fifty (50) radios / One(1) **NXDN** Conventional and Type-C **Air** Communication Profile and One(1) **NXDN** Conventional and Type-C **IP** Communication Profile **Note:** - Requires KPT-300LMC for authentication - NEXEDGE Type-D Trunking and DMR System not supported.	663.00	884.00

Over The Air Programming (OTAP), CON'T		EPL	LIST
SOFTWARE UPGRADE LICENSES FOR KPG-180AP			
Note: Includes package license for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP software. All additional licenses require KPT-300LMC for authentication.			
KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1,250.25	1,667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2,187.75	2,917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3,125.25	4,167.00
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2) .	312.75	417.00

-- IMPORTANT NOTES--
Base radios are connected to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.
Requires firmware version 2.5 or higher for the NXR-x00/NXR-x10 repeaters.

Encryption Software Keyloaders		EPL	LIST
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication - KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	393.75	525.00
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication - KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	276.00	368.00

Offline Authentication Option		EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License **Note:** - Must purchase Radio Feature Licenses separately. - Can be used with only one (1) Account Registration Key. - Requires KPT-300LMC V1.10 or higher. - Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB. **Warranty Information:** - Damaged USB License Storage "KWD-OFL-USB" a. Remaining Licenses will not be warranted.	152.25	203.00

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
KWD-3002BT	License Key for Bluetooth Serial Port Profile (Required for Data Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT.	26.25	35.00
KWD-3302TR	License Key for DMR Tier 3 Trunking	75.00	100.00
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C and Type-C Gen2)	31.28	41.70
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00

NX-3720HG/3820HG
VHF/UHF Digital & FM Analog Mobile Radios

		EPL	LIST
KWD-3503AE	License Key for AES/DES Encryption **Note:** 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the bottom.	337.50	450.00
KWD-3504RC	License Key for Remote Control by Subscriber Units **Note:** - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does **NOT** require the license.	30.00	40.00
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00

CONTROL HEAD REMOTE KIT		EPL	LIST
KRK-18HM	Interface Kit for a Control Head	111.00	148.00
KRK-19BM	Interface Kit for an RF Deck	28.13	37.50

Note: Remote Contorl Cable must be purchased seperately.

REMOTE CONTROL CABLES		EPL	LIST
KCT-71M2	Remote Control Cable (17 feet)	54.00	72.00
KCT-71M3	Remote Control Cable (25 feet)	61.50	82.00
KCT-71M4	Remote Control Cable (1.6 feet)	34.50	46.00
KCT-71A50	KCT-71A Extended Control Head Cable (up to 50 ft. max.) **Note**: Please specify exact length at 1ft. increments when ordering. **Caution**: Extended control head cables exhibit a loss in speaker audio power to the control heads.	142.50	190.00
KCT-71A100	KCT-71A Extended Control Head Cable (up to 100 ft. max.) **Note**: Please specify exact length at 1ft. increments when ordering. **Caution**: Extended control head cables exhibit a loss in speaker audio power to the control heads.	183.75	245.00

MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	22.50	30.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.50	14.00
KCT-72M	External Accessory Connection Cable for KRK-18HM	27.75	37.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.25	43.00
KMB-10	Key lock adapter	20.25	27.00
KRA-40GM	GPS Antenna	32.25	43.00

CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.75	49.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	132.75	177.00

MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	39.75	53.00
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	72.75	97.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) **Note: NOT compatible with TDMA operations**	66.00	88.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) compatible with TDMA Operation.	137.25	183.00
RPSP-15	External speaker, 5W, 8ohm low profile, 3.5mm plug	18.75	25.00
KES-5A	External speaker, 40W max input **Note:** requires KCT-60M installed.	45.94	61.25

NEXEDGE® DMR

NX-3720HG/3820HG
VHF/UHF Digital & FM Analog Mobile Radios

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-46XM	Full Speed USB Programming interface cable	121.50	162.00
	Note: This cable with USB mode may be used for SD Card Direct Access.		

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio)	90.00	120.00
	Note: Must purchase Radio Feature Licenses separately.		
	KPT-300LMC's History Menu will not display the Radio Features activated by Factory.		
L-5053	NX-3720HG/3820HG Programming (with basic TX/RX check)	28.13	37.50
L-5054	Installation for NX-3000 Portable/Moble AES	18.75	25.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

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

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

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

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

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

NX-3920G/3921G
800/900MHz Digital & FM Analog Mobile Radios

NEXEDGE®
DMR

STANDARD

■ GENERAL FEATURES

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

■ ANALOG MODE

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

■ DIGITAL – NXDN® MODE

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

■ DIGITAL – DMR MODE

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

All NX-3000 Series Mobiles include:
- Standard Microphone (KMC-65M)
- Mounting Bracket
- DC Cable
- Blade Fuse
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

Because of spurious signal (birdie), the following frequencies (and ±6.25kHz ranges) are not allowed ;
• 854.4000   • 936.0000
• 859.2000   • 940.8000
• 864.0000
• 868.8000

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

OPTIONAL FEATURES

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

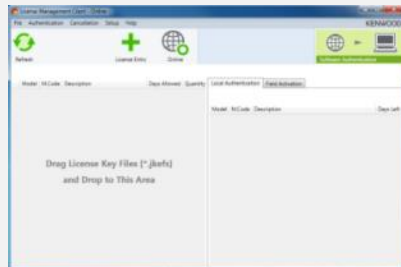| RADIO		EPL	LIST
NX-3920GK	800MHz, 15 Watts, 512 CH, 128 Zones, NXDN Conv & Trunking	682.50	910.00
NX-3921GK	900MHz, 15 Watts, 512 CH, 128 Zones, NXDN Conv & Trunking	682.50	910.00

NX-3920G/3921G
800/900MHz Digital & FM Analog Mobile Radios

LICENSING SYSTEM	EPL	LIST

Note: KPT-300LMC is compatible with Windows Vista/7/8/8.1/10 Only. Windows XP

KPT-300LMC
License Management Client

KPT-300LMC is a required software package that is used to authenticate **software** (FPU) and **radio feature license** keys.

KPT-300LMC is available as a free download from Kenwood Tools and is also supplied with applicable software, such as KPG-D3NK.

NOTE: A license key is required for the KPT-300LMC to authenticate the software / Radio Feature prior to use. To receive a license key, complete the enclosed "**Account Request Form**" and return to the Land Mobile Order Desk.

KPT-300LMC	License Management Client		NC
L-5000	Account Registration Key **Note:** specify the number of PC's used for Radio Feature License Activation.		NC

SOFTWARE LICENSE OPTIONS	EPL

TO PLACE AN ORDER FOR SOFTWARE:
1. **Complete the attached Software License Keys Request Form.**
2. **Submit along with your PO to the Land Mobile Order Desk via:**
   a) **E-Mail: lmrorderdesk@us.jvckenwood.com**
   b) **Fax: (310) 761-8246**
3. **License Keys will be E-mailed to the address provided on the order form. A hard copy will follow by mail for your records.**

Note: A unique license key is required for each PC with software installed. A single license key will not authorize multiple PCs.

Software License Key Discount Structure

1 License Key	---
2 ~ 4 License Keys	**10% OFF**
5 ~ 14 License Keys	**35% OFF**
15 ~ 24 License Keys	**40% OFF**
25+ License Keys	**45% OFF**

Field Programming Unit (FPU)	EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile ***Note:*** *Requires KPT-300LMC for authentication*	116.25	155.00

Over The Air Programming (OTAP)	EPL	LIST
KPG-180AP	Licence Key for KPG-180AP OTAP Manager Software • License includes Fifty (50) radios / One(1) **NXDN** Conventional and Type-C **Air** Communication Profile and One(1) **NXDN** Conventional and Type-C **IP** Communication Profile ***Note:*** *- Requires KPT-300LMC for authentication*	663.00	884.00

SOFTWARE UPGRADE LICENSES FOR KPG-180AP

Note: Includes package license for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP software. All additional licenses require KPT-300LMC for authentication.

		EPL	LIST
KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1250.25	1667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2187.75	2917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3125.25	4167.00
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00

Over The Air Programming (OTAP), CON'T	EPL	LIST

NX-3920G/3921G
800/900MHz Digital & FM Analog Mobile Radios

KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2) .	312.75	417.00

-- IMPORTANT NOTES--
Base radios are connected to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.
Requires firmware version 2.5 or higher for the NXR-x00/NXR-x10 repeaters.

Requires firmware version 1.0 or higher for the NXR-5xxx repeaters

Encryption Software Keyloaders		EPL	LIST
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	401.25	535.00
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE **Note**: - Requires KPT-300LMC for authentication	276.00	368.00

Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00
KWD-3002BT	License Key for Bluetooth Data (Required for Data Communication) **Note**: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	26.25	35.00
KWD-3301CV	License Key for DMR Tier 2 Conventional & S-Trunking	31.50	42.00
KWD-3302TR	License Key for DMR Tier 3 Trunking (Requires KWD-3301CV)	75.00	100.00
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
KWD-3503AE	License Key for AES/DES Encryption	337.50	450.00

NEXEDGE DMR	NX-3920G/3921G 800/900MHz Digital & FM Analog Mobile Radios	Table of Contents

Radio Features, CON'T		EPL	LIST
KWD-3505DE	License Key for DES Encryption **Note:** Requires KPG-AE1/DE1 software key loader to load encryption keys	75.00	100.00

CONTROL HEAD REMOTE KIT		EPL	LIST
KRK-18HM	Interface Kit for a Control Head	111.00	148.00
KRK-19BM	Interface Kit for an RF Deck	28.13	37.50

Note: Remote Contorl Cable must be purchased seperately.

REMOTE CONTROL CABLES		EPL	LIST
KCT-71M2	Remote Control Cable (17 feet)	54.00	72.00
KCT-71M3	Remote Control Cable (25 feet)	61.50	82.00
KCT-71M4	Remote Control Cable (1.6 feet)	34.50	46.00
KCT-71A50	KCT-71A Extended Control Head Cable (up to 50 ft. max.) **Note**: Please specify exact length at 1ft. increments when ordering. **Caution**: Extended control head cables exhibit a loss in speaker audio power to the control heads	142.50	190.00
KCT-71A100	KCT-71A Extended Control Head Cable (up to 100 ft. max.) **Note**: Please specify exact length at 1ft. increments when ordering. **Caution**: Extended control head cables exhibit a loss in speaker audio power to the control heads	183.75	245.00

MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	22.50	30.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.50	14.00
KCT-72M	External Accessory Connection Cable for KRK-18HM	27.75	37.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.25	43.00
KMB-10	Key lock adapter	20.25	27.00
KRA-40GM	GPS Antenna	32.25	43.00

CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Mobiles (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.75	49.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	132.75	177.00

MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	39.75	53.00
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	72.75	97.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) **Note: NOT compatible with TDMA operations**	66.00	88.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug)	137.25	183.00
RPSP-15	External speaker, 5W, 8ohm low profile, 3.5mm plug	18.75	25.00
KES-5A	External speaker, 40W max input **Note:** requires KCT-60M installed.	45.94	61.25

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-46XM	Full Speed USB Programming interface cable **Note:** This cable with USB mode may be used for SD Card Direct Access.	121.50	162.00

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio) **Note:** Must purchase Radio Feature Licenses separately. KPT-300LMC's History Menu will not display the Radio Features activated by Factory	90.00	120.00
L-5053	NX-3720HG/3820HG/3920G/3921G Programming (with basic TX/RX check)	28.13	37.50

INSTALLATION / TUNING CHARGES, CON'T		EPL	LIST
L-5054	Installation for NX-3000 Portable/Moble AES	18.75	25.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

NEXEDGE®
DMR

NX-3920G/3921G
800/900MHz Digital & FM Analog Mobile Radios

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

NEXEDGE®

NX-700/800

VHF/UHF Digital & FM Analog Mobile Radios

All NX series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- Blade Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

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* TX Power is derated at 490-512 MHz

NX-800K: 450-489 MHz (30 W)
             490-512 MHz (25 W)
NX-800HK: 450-489 MHz (45 W)
             490-512 MHz (40 W)

GENERAL FEATURES
- 30W / 50W (136-174 MHz) Models
- 30W / 45W (400-470, 450-520 MHz) Models
- 512 CH-GID / 128 Zones
- Dash & Remote Mount
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio
- DB-25 Accessory Connector
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP-54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- GPS Receiver Option

DIGITAL – GENERAL
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included
- DES Encryption Module Option
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

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

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

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

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

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

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

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

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

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

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

MODEL		EPL	LIST
NX-700K	136-174 MHz 30W, 512 CH / 128 Zone	555.00	740.00
NX-700HK	136-174 MHz 50W, 512 CH / 128 Zone	650.25	867.00
NX-800K	450-520 MHz 30W, 512 CH / 128 Zone	555.00	740.00
NX-800K2	400-470 MHz 30W, 512 CH / 128 Zone	555.00	740.00
NX-800HK	450-520 MHz 45W, 512 CH / 128 Zone	650.25	867.00
NX-800HK2	400-470 MHz 45W, 512 CH / 128 Zone	650.25	867.00
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KAP-2	Horn Alert/P.A. Relay Option	48.00	64.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	10.50	14.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.25	43.00
KMB-10	Key lock adapter	20.25	27.00

NEXEDGE®	**NX-700/800** **VHF/UHF Digital & FM Analog Mobile Radios**	

KRK-10	Remote Control Kit (a remote control cable (23 ft) is included)	80.25	107.00

NX-700/800
VHF/UHF Digital & FM Analog Mobile Radios

MOBILE INSTALLATION ACCESSORIES, CON'T		EPL	LIST
KCT-23M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)	24.00	32.00
KCT-23M3	DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	26.25	35.00
CONTROL STATION INSTALLATION ACCESSORIES		**EPL**	**LIST**
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	66.00	88.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) **Note: Compatible with FDMA (analog) and TDMA operations.**	137.25	183.00
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.75	49.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	132.75	177.00
MICROPHONES AND SPEAKERS		**EPL**	**LIST**
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	39.75	53.00
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	72.75	97.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) **Note: Compatible with FDMA (analog) and TDMA operations.**	137.25	183.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	66.00	88.00
RPSP-15	External speaker, 5W, 8ohm low profile, 3.5mm plug	18.75	25.00
KES-5A	External speaker, 40W max input **Note:** requires KAP-2 (PA/HA unit) installed	45.94	61.25
FIRMWARE OPTIONS		**EPL**	**LIST**
SOFTWARE & USB OPTIONS		**EPL**	**LIST**
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	412.50	550.00
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	401.25	535.00
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).	276.00	368.00
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles **Must order L-1812 for factory installation, or L-1813 for field-upgrade option** Note: MPT Firmware and EPU do **NOT** compatible. MPTs will be available on **3Q-FX2016**	12.75	17.00
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series **without ESN**. KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes KPG-97USB software for activating radios. **Note:** - Must order L-1819. - Must purchase KWD-NX2G-10 seperately. - KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order. - KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders. - KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options. - The licenses (KWD-NX2G-10) installed to the KWD-LIC-USB is **NOT** eligible for warranty compensation	N/C	N/C
OPTION MODULES		**EPL**	**LIST**
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1830 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).	650.25	867.00
OPTION MODULES, CON'T		**EPL**	**LIST**

NEXEDGE®

NX-700/800

VHF/UHF Digital & FM Analog Mobile Radios

| KWD-AE31K | AES & DES Encryption Module (Multi-Key)
Order a Labor Code L-1831 if installation is required.
Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key
loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) | 421.50 | 562.00 |

NEXEDGE®

NX-700/800

VHF/UHF Digital & FM Analog Mobile Radios

FleetSync® & NEXEDGE® AVL & MESSAGING		*EPL*	*LIST*
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W	47.25	63.00
	Note: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install; Refer to 180/NX-Series In-depth Technical Manuals for mobile installation.		
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync & NEXEDGE AVL	99.75	133.00
	Note: • Conventional & LTR operation • NEXEDGE® Conventional & Trunking operation • Requires GA25 MCX GPS antenna • Refer to 180/NX-Series & KAS-10 In-Depth Technical Manuals for installation, programming & KAS-10 software setup. Refer to www.garmin.com for GPS-15L-W technical specifications.		
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch **Note:**	325.50	434.00
SERVICE RELATED ACCESSORIES		*EPL*	*LIST*
KPG-46XM	USB Programming interface cable		162.00
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
INSTALLATION / TUNING CHARGES		*EPL*	*LIST*
L-1085	NX-700/800 Programming (with basic TX/RX check)	28.13	37.50
L-1094	Install KAP-2 (Default) HR1/Internal Sp./PA	18.75	25.00
L-1098	Install Garmin GPS15XL-W in NX-Series mobile for FleetSync® AVL	75.00	100.00
L-1099	Assemble NX-700/800/900/901 with KRK-10 Remote Kit	31.50	42.00
L-1830	Install KWD-AE30K in NX-700/800/900/901 series Mobile (Must purchase module separately)	56.25	75.00
L-1831	Install KWD-AE31K in NX-700/800/900/901 series Mobile (Must purchase module separately)	56.25	75.00
INSTALLATION / TUNING CHARGES		*EPL*	*LIST*
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	N/C	N/c

NEXEDGE®

NX-700/800

VHF/UHF Digital & FM Analog Mobile Radios

L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00
MPT FIRMWARE/ACCESSORIES/TUNING		**EPL**	**LIST**
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) **Note**: - Must order **L-1727** for Network Level License ID & programming privileges.	77.44	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order **L-1729** **Note:** Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	50.03	66.70
L-1726	Install MPT option in NX series radio	18.75	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	118.75	158.33
L-1728	Retrofit Install of MPT option in NX series radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number.	63.75	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	N/C	N/C

-- IMPORTANT NOTES --

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more

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KWD-AE30 AES FIPS140-2 SCM , NIST Validation & Customer Shipping
A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from JVCKENWOOD USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated JVCKENWOOD USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end use customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-

NEXEDGE®

NX-740HV/840HU

VHF/UHF Digital & FM Analog Mobile Radios

All NX-x40 series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- 15A Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
- 50 W (136-174 MHz) Model
- 45 W (450-520 MHz) Model
- Max. 16 CH per Zone
- 2 Conventional Zones
- 2-Digit LED Channel Display
- Function/Status LED Dots
- Backlit Keys
- Transmit /Busy / Call Alert LED
- Blue Function/Status LED
- 9 Programmable Function Keys
- Emergency / AUX Key
- 4W Speaker Audio
- Voice CH# Announcement
- DB15 Accessory Interface
- 8 Programmable I/O Ports
- KPG-175DN Windows® FPU
- MIL-STD-810 C/D/E/F
- IP-54 Water & Dust Intrusion
- PC Serial Interface
- GPS Receiver Option

DIGITAL COMMON
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias (TX Only)
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- GPS Location with Voice
- NXDN® Scrambler Included

DIGITAL CONVENTIONAL MODE
- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Conventional IP Networks
- Site Roaming

DIGITAL – TYPE-D TRUNKING MODE *
- Individual Call
- Group Call & All Group Call
- Emergency Call
- Paging Call
- Transmission Trunked Mode
- Late Entry
- ESN Validation
- Status Messaging
- * Hardware Version 2.0 can be abailable.

SCAN
- Single Zone Scan
- Single Priority Scan

ANALOG MODE - GENERAL
- 12.5 kHz Channels
- Conventional Zones
- FleetSync®, MDC-1200, DTMF
- QT/DQT/Two-Tone
- Voice Inversion Scrambler (16 Codes)

FleetSync®
- PTT ID ANI
- Selective / Group Call
- Emergency Status
- Send GPS Data

MDC-1200
- PTT ID ANI

MODEL		EPL	LIST
NX-740HVK	136-174 MHz VHF 50W, 16 Ch / 2 Zones	332.25	443.00
NX-840HUK	450-520 MHz UHF 45W, 16 Ch / 2 Zones	332.25	443.00
MOBILE INSTALLATION ACCESSORIES		**EPL**	**LIST**
KCT-60M	DB15-to-15pin Molex Adapter Cable	22.50	30.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.50	14.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.25	43.00
KMB-10	Key lock adapter	20.25	27.00
CONTROL STATION INSTALLATION ACCESSORIES		**EPL**	**LIST**
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	66.00	88.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug)	137.25	183.00
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series).	36.75	49.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	132.75	177.00
MICROPHONES AND SPEAKERS		**EPL**	**LIST**
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	39.75	53.00
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	72.75	97.00
RPSP-15	External speaker, 5W, 8ohm low profile, 3.5mm plug	18.75	25.00
KES-5	External speaker, 40W max input **Note:** requires KCT-60M installed.	45.94	61.25
FleetSync® & NEXEDGE® AVL & MESSAGING		**EPL**	**LIST**
GPS15XL-W	Garmin Internal GPS Receiver Board for NEXEDGE/FleetSync AVL	99.75	133.00
	Note:		

NEXEDGE®	NX-740HV/840HU	Table of Contents
	VHF/UHF Digital & FM Analog Mobile Radios	

	GENERAL FEATURES		
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W **Note**: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.	47.25	63.00

SERVICE RELATED ACCESSORIES		*EPL*	*LIST*
KPG-46XM	USB Programming interface cable	121.50	162.00
KPG-175DNK	Windows® Programming Software for NX-740HV840HU	77.44	103.25
TYPE-D TRUNKING ACTIVATION/TUNING		*EPL*	*LIST*
KWD-NXD40K	Type-D Trunking Option. Must order **L-1800** or **L-1801**	7.50	10.00
L-1800	Factory Activation of Type-D Trunking Option.	N/C	N/C
L-1801	Type-D Trunking Option FIELD-UPGRADE. To place an order, please complete the **NEXEDGE Type-D Field Upgrade Form** available on Kenwood Tools under Forms. Required information includes the exact model #s and serial number for each radio to be updated.	N/C	N/C
INSTALLATION / TUNING CHARGES		*EPL*	*LIST*
L-1778	NX-740H/840H Programming (with basic TX/RX check)	28.13	37.50
L-1779	Install Garmin GPS15XL-W in NX-x40 Series mobile **Note**: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.	75.00	100.00

DMR

TK-D740HV/840HU
VHF/UHF Digital & FM Analog Mobile Radios

All 40 series DMR mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- 15A Fuse
- Instruction Manual
- Standard Warranty: 2 Years**

** All Accessories / options: 1 Year

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

• 149.7000	• 422.4000	• 480.0000
• 172.8000	• 441.6000	• 499.2000
• 403.2000	• 460.8000	• 518.4000

GENERAL FEATURES
- 50 W (136-174 MHz) Model
- 45 W (450-520, 400-470 MHz) Model
- Max. 16 CH per Zone
- 2 Conventional Zones
- 2-Digit LED Channel Display
- Function/Status LED Dots
- Backlit Keys
- Transmit /Busy / Call Alert LED
- 9 Programmable Function Keys
- Emergency / AUX Key
- 4W Speaker Audio
- Digital/Analog Mixed Mode
- Voice CH# Announcement
- DB15 Accessory Interface
- 8pin Programmable I/O Ports
- KPG-166DN Windows® FPU
- MIL-STD-810 C/D/E/F/G
- IP54 Dust & Water Protection
- PC Serial Interface
- GPS Receiver Option

DIGITAL COMMON
- DMR Tier II Conventional
- AMBE+2™ VOCODER
- 12.5 kHz Channels
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
- Remote Monitor

DIGITAL CONVENTIONAL MODE
- Individual & Group Selective Call
- Conventional IP Networks

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

ANALOG MODE - GENERAL
- 12.5 kHz Channels
- Conventional Zones
- DTMF
- QT/DQT, Two-Tone
- Voice Inversion Scrambler (16 Codes)

FleetSync®
- PTT ID ANI
- Selective / Group Call
- Emergency Status
- Send GPS Data

*1 Status Message for FleetSync is **NOT** supported.
*2 Please see important notice in the GPS15XL-W.

MODEL		EPL	LIST
TK-D740HVK	136-174 MHz VHF 50W, 16 Ch / 2 Zones	332.25	443.00
TK-D840HUK	450-520 MHz UHF 45W, 16 Ch / 2 Zones	332.25	443.00
MOBILE INSTALLATION ACCESSORIES		**EPL**	**LIST**
KCT-60M	DB15-to-15pin Molex Adapter Cable	22.50	30.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.50	14.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.25	43.00
KMB-10	Key lock adapter	20.25	27.00
CONTROL STATION INSTALLATION ACCESSORIES		**EPL**	**LIST**
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) **Note:** Available for Analog only. NOT compatible withDigital (TDMA) operations.	66.00	88.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) **Note: Compatible with FDMA (analog) and TDMA operations.**	137.25	183.00
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.75	49.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	132.75	177.00

MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	39.75	53.00
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	72.75	97.00
RPSP-15	External speaker, 5W, 8ohm low profile, 3.5mm plug	18.75	25.00
KES-5A	External speaker, 40W max input **Note:** requires KCT-60M installed	45.94	61.25
FleetSync® & NEXEDGE® AVL & MESSAGING		**EPL**	**LIST**

TK-D740HV/840HU
VHF/UHF Digital & FM Analog Mobile Radios

GPS15XL-W	Garmin Internal GPS Receiver Board for DMR/FleetSync® AVL	99.75	133.00

Important Notice:
Firmware version 1.2 or later to use GPS functions require to be updated WITHOUT a GPS Reciever initialy. Once firmware is updated 1.2 or later, it may be allowed any firmware version up with installed GPS Receiver. Please see Dealer Tools under support for the detail.
Note:
• Conventional operation only
• Requires GA25 MCX GPS antenna
• Refer to www.garmin.com for GPS-15XL -W technical specifications

FleetSync® & NEXEDGE® AVL & MESSAGING, CON'T		*EPL*	*LIST*
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W	47.25	63.00
	Note: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.		

SERVICE RELATED ACCESSORIES		*EPL*	*LIST*
KPG-46XM	USB Programming interface cable	121.50	162.00
KPG-166DNK	Windows® Programming Software for TK-D240V/340U/740HV/840HU	77.44	103.25
INSTALLATION / TUNING CHARGES		*EPL*	*LIST*
L-1799	TK-D740HV/840HU Programming (with basic TX/RX check)	28.13	37.50
L-1834	Install Garmin GPS15XL-W in TK-Dx40 Series mobile	75.00	100.00
	Note: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.		

TK-7180/8180

VHF/UHF Trunking & Convention Mobile Radios

All 180 series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- Blade Fuse
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

* TX Power is derated at 490-512 MHz

TK-8180K: 450-489 MHz (30 W)
              490-512 MHz (25 W)
TK-8180HK: 450-489 MHz (45 W)
              490-512 MHz (40 W)

GENERAL FEATURES
- 30/50 W (136-174 MHz)
- 30/45 W (450-520*, 400-470 MHz)
- Conventional & LTR® Zones
- MPT1327 Trunking Option
- Remote Control Head Option
- 12 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- RSSI Indicator
- Date & 12/24 Hour Time Clock
- Transmit / Busy / Call Alert / Warn LED
- 6 Backlit PF Keys
- Emergency / AUX Key
- Enhanced Kenwood Audio
- Front Panel Speaker
- Companded Audio
- Voice Inversion Scrambler Built-in
- Easy Option Port
- Encryption / ANI Board Control
- Emergency Call Features
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Call Key
- Time Out Timer
- Busy Channel Lockout
- Timed Power Off
- DB-25 Accessory Connector
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- Ignition Sense
- Public Address / Horn Alert Option
- MIL-Spec Standard Mic
- MIL-Spec 12-Key DTMF Mic Option
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test / Tune
- Cloning
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion

CONVENTIONAL ZONES
- 512 Channels / 128 Zones
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- Operator Selectable Tone
- Dual Priority Scan
- Single & Multi-Zone Scan
- List Scan

TRUNKED ZONES
- 512 GID / 128 Zones
- Kenwood LTR® Features

FleetSync®
- FleetSync® or FleetSync® II
- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short & Long Text Messages
- Power On/Off Status Messages
- Input / Output Status Messages
- FleetSync® GPS Ready
- Send GPS PF Key
- PTT ID & Emergency GPS Reporting
- Status Message Block GPS Reporting
- Ignition On/Off GPS Reporting
- VGS-1 GPS Data Storage
- PC Serial Interface

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

MDC-1200
- PTT ID Digital ANI
- Caller ID Display
- Emergency Status
- Radio Check
- Radio Inhibit

MODEL		EPL	LIST
TK-7180K	136-174 MHz 30W, 512 CH / 128 Zone CONV-& LTR	448.50	598.00
TK-7180HK	136-174 MHz 50W, 512 CH / 128 Zone CONV-& LTR	549.00	732.00
TK-8180K	450-520 MHz 30W, 512 CH / 128 Zone CONV-& LTR	462.75	617.00
TK-8180HK	450-520 MHz 45W, 512 CH / 128 Zone CONV-& LTR	562.50	750.00
TK-8180HK2	400-470 MHz 45W, 512 CH / 128 Zone CONV-& LTR	562.50	750.00

MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KAP-2	Horn Alert/P.A. Relay Option **Note**: For MPT, HA operates in Trunked Mode only.	48.00	64.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line).	10.50	14.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.25	43.00
KMB-10	Key lock adapter.	20.25	27.00
KRK-10	Remote Control Kit (a remote control cable (23 ft) is included).	80.25	107.00
CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.75	49.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak).	132.75	173.00

TK-7180/8180

VHF/UHF Trunking & Convention Mobile Radios

MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	39.75	53.00
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	72.75	97.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) **Note: Compatible with FDMA (analog) and TDMA operations.**	137.25	183.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug).	66.00	88.00
RPSP-15	External speaker, 5W, 8ohm low profile, 3.5mm plug	18.75	25.00
KES-5	External speaker, 40W max input **Note:** requires KAP-2 (PA/HA unit) installed.	45.94	61.25

FleetSync® AVL & MESSAGING		EPL	LIST
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch **Note:** Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft®MapPoint®2006/2009/2010 (certain format bitmap images can be	325.50	434.00
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL **Note**:	99.75	133.00
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W **Note**: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install; Refer to	47.25	63.00

FIRMWARE OPTIONS		EPL	LIST
KWD-180MPT	MPT Trunking Field Upgrade Kit for 180-Series Must order **L-1620** **Note:** Refer to 180-Series MPT Price Pages and 180-Series MPT In-Depth Technical Manuals for feature details (available from technical support). Not compatible with any other firmware options Radio does not retain all normal 180-Series conventional or LTR trunking features once the MPT option is	32.81	43.75
KWD-180TFS	TFS-- Tactical Feature Set-- Field Upgrade Kit for 180-Series Must order **L-1625** **Note**: Refer to 180-Series "Tactical Feature Set" In-Depth Technical Manual for feature details (available from technical support). Not compatible with any other firmware options	78.75	105.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-46XM	USB Programming interface cable	121.50	162.00
KPG-89DNK	Windows® Programming Software for TK-2180/3180/7180/8180 (Compliant with FCC Part 90 Narrowbanding) **Note:** Self-programming & Tactical Feature Set* functions are not available. *** KPG-89DK is required for Tactical Feature Set. KPG-89DK is no longer supported or distributed by Kenwood.**	77.44	103.25

INSTALLATION / TUNING CHARGES		EPL	LIST
L-965	TK-7180/8180 Programming (with basic TX/RX check)	28.13	37.50
L-966	Install KAP-2 (Default) HR1/Internal Sp./PA	18.75	25.00
L-968	Assemble TK-7180/8180 with KRK-10 Remote Kit	31.50	42.00
L-1010	Install KAP-2 (External Sp.) HR1/External Sp./PA	18.70	25.00
L-1033	Install Garmin GPS15XL-W in 180-Series mobile for FleetSync® AVL **Note**: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.	75.00	100.00
L-1052	TK-7180/8180 TFS INSTALLATION **Note:** KPG-89DK is required to program the TFS (Tactical Feature Set). KPG-89DK is no longer supported or distributed by Kenwood. TFS will not work with KPG-89DNK	75.00	100.00
L-1620	180 Portable KWD-180MPT FIELD-UPGRADE (Must purchase KWD-180MPT separately)	N/C	N/C
L-1625	180 Portable KWD-180TFS FIELD-UPGRADE (Must purchase KWD-180TFS separately)	N/C	N/C

MPT FIRMWARE/ACCESSORIES/TUNING		EPL	LIST
KMC-32	Standard mobile microphone with 16-key DTMF (8-pin mod. plug)	54.00	72.00

TK-7180/8180

VHF/UHF Trunking & Convention Mobile Radios

KPG-96DNK	Windows® Programming Software for 180-Series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) Note: Must order L-1013 for Network Level License ID & programming privileges.	77.44	103.25
L-1012	Install MPT option in 180-Series radio	12.50	16.67
L-1013	Network Level License ID for KPG-96D(N) 180-Series Programmer	118.75	158.33
L-1014	Retrofit Install of MPT option in 180-Seires radio (for previously purchased 180-Series radios.) Order L-1014 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1014 provided by order desk & copy of company P.O. or P.O. number. Note: Only certain Serial Number Lots produced in late 2004 and later can be retrofitted - see 180-Series	63.75	85.00

TK-7360HV/8360HU v2.0

VHF/UHF Trunking & Convention Mobile Radios

All 360 series mobiles include:
• Standard Microphone (KMC-35)
• Mounting Bracket
• DC Cable (KCT-23M)
• 15A Fuse
• Instruction Manual
• Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES
• 50 W (136-174 MHz) Model
• 45 W (450-520 MHz) Model
• Conventional & LTR® Zones
• 10-Character Alphanumeric Aliases
• Backlit LCD & Keys
• Function/Status LCD Icons
• Blue Function / Status LED
• Transmit /Busy / Call Alert LED
• 10 Programmable Function Keys
• Emergency / AUX Key
• Front Panel Speaker
• Companded Audio
• Voice Inversion Scrambler Built-in
• 16 Scrambler Codes (per CH)
• Encryption / Board Control
• Emergency Call Features
• Lone Worker Alert
• DTMF Encode / Decode
• Special Alert Tone Patterns
• Busy Channel Lockout
• Time Out Timer
• Timed Power Off
• DB15 Accessory Interface
• 8 Programmable I/O Ports
• Ignition Sense
• Public Address / Horn Alert Output
• MIL-Spec Standard Mic
• MIL-Spec 12-Key DTMF Mic Option
• Windows® Programming & Tuning
• Easy Option Ports (26-pin)
• Cloning
• MIL-STD-810 C/D/E/F/G
• IP54 Water & Dust Intrusion

CONVENTIONAL ZONES
• 128 Channels / 128 Zones
• QT / DQT
• Two-Tone Decode
• Single & Two-Tone Encode
• Operator Selectable Tone
• Single Priority Scan
• Single / Multi-Zone Scan

TRUNKED ZONES
• 128 GID / 128 Zones
• Kenwood LTR® Feature

FleetSync® /II (FM)
• PTT ID Digital ANI
• Selective Call & Group Call
• Paging Call
• Status Messaging
• Emergency Status
• Caller ID Display
• Input / Output Status Messages
• FleetSync® GPS Ready
• Send GPS PF Key
• PTT ID & Emergency GPS Reporting
• GPS Auto Reporting

MDC-1200
• PTT ID Digital ANI
• Caller ID Display
• Emergency Status
• Radio Check
• Radio Inhibit

MODEL		EPL	LIST
TK-7360HVK	136-174 MHz 50W, 128 CH / 128 Zone CONV-& LTR	332.25	443.00
TK-8360HUK	450-520 MHz 45W, 128 CH / 128 Zone CONV-& LTR	343.50	458.00
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	22.50	30.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.50	14.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.25	43.00
KMB-10	Key lock adapter	20.25	27.00
CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.75	49.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	132.75	177.00
MICROPHONES AND SPEAKERS		EPL	LIST
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	39.75	53.00
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	72.75	97.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) **Note: Compatible with FDMA (analog) and TDMA operations.**	137.25	183.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	66.00	88.00
RPSP-15	External speaker, 5W, 8ohm low profile, 3.5mm plug	18.75	25.00
KES-5	External speaker, 40W max input **Note:** requires KCT-60M installed.	45.94	61.25
FleetSync ® AVL		EPL	LIST

TK-7360HV/8360HU v2.0

VHF/UHF Trunking & Convention Mobile Radios

		EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL **Note**: • Conventional operation only • Requires GA25 MCX GPS antenna • Refer to www.garmin.com for GPS-15L-W technical specifications.	99.75	133.00
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W **Note**: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.	47.25	63.00
SERVICE RELATED ACCESSORIES		*EPL*	*LIST*
KPG-135DNK	Windows® Programming Software for TK-7360/8360 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25

TK-7360HV/8360HU v2.0

VHF/UHF Trunking & Convention Mobile Radios

		EPL	LIST
KPG-46XM	USB Programming interface cable	121.50	162.00
INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-1689	TK-7360/8360 Programming (with basic TX/RX check)	28.13	37.50
L-1690	Install Garmin GPS15XL-W in 360-Series mobile for FleetSync® AVL	75.00	100.00
L-1693	Install VGS-1 Voice Guide & Storage Unit	18.75	25.00
	Note: VGS-1 installation precludes any ANI or encryption board installation.		

TK-7302HV/8302HU
VHF/UHF Convention Mobile Radios

GENERAL FEATURES
- 50 W (136-174 MHz) Model
- 45 W (450-520 MHz) Model
- Conventional Zones
- 16 Channels / 2 Zones
- Single Priority Scan
- Single / Multi-Zone Scan
- 2-Digit LED Channel Display
- Function/Status LED Dots
- Blue Function/Status LED
- Transmit /Busy / Call Alert LED
- Backlit Keys
- 9 Programmable Function Keys
- Emergency / AUX Key
- Front Panel Speaker
- Companded Audio
- Voice CH# Announcement (8 Languages)
- Voice Inversion Scrambler Built-in
- 16 Scrambler Codes (per CH)
- Encryption Board Control
- Emergency Call Features
- Lone Worker Alert
- QT / DQT
- Operator Selectable Tone
- Two-Tone Decode
- Single & Two-Tone Encode
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Busy Channel Lockout
- Time Out Timer

- DB15 Accessory Interface
- 8 Programmable I/O Ports
- Ignition Sense
- Public Address / Horn Alert Output
- MIL-Spec Standard Mic
- MIL-Spec 12-Key DTMF Mic Option
- Windows® Programming & Tuning
- Cloning
- MIL-STD-810 C/D/E/F/G
- IP-54 Water & Dust Intrusion

FleetSync® /II (FM)
- PTT ID Digital ANI
- Selective Call & Group Call
- Paging Call
- Status Messaging
- Emergency Status
- Input / Output Status Messages
- FleetSync® GPS Ready
- Send GPS PF Key
- PTT ID & Emergency GPS Reporting
- Ignition On/Off GPS Reporting

MDC-1200
- PTT ID Digital ANI
- Emergency Status
- Radio Check
- Radio Inhibit

All 302 series mobiles include:
- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- 15A Fuse
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

MODEL		EPL	LIST
TK-7302HVK	136-174 MHz 50W, 16 CH / 2 Zone Conventional	260.25	347.00
TK-8302HUK	450-520 MHz 45W, 16 CH / 2 Zone Conventional	272.25	363.00
MOBILE INSTALLATION ACCESSORIES		**EPL**	**LIST**
KCT-60M	DB15-to-15pin Molex Adapter Cable	22.50	30.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.50	14.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	32.25	43.00
KMB-10	Key lock adapter	20.25	27.00
CONTROL STATION INSTALLATION ACCESSORIES		**EPL**	**LIST**
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.75	49.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	132.75	177.00
MICROPHONES AND SPEAKERS		**EPL**	**LIST**
KMC-65M	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	39.75	53.00
KMC-66M	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	72.75	97.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	66.00	88.00
RPSP-15	External speaker, 5W, 8ohm low profile, 3.5mm plug	18.75	25.00
KES-5	External speaker, 40W max input **Note:** requires KCT-60M installed.	45.94	61.25
FleetSync® AVL		**EPL**	**LIST**
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL	99.75	133.00
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W **Note**: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.	47.25	63.00

TK-7302HV/8302HU
VHF/UHF Convention Mobile Radios

SERVICE RELATED ACCESSORIES   *EPL*   *LIST*

TK-7302HV/8302HU
VHF/UHF Convention Mobile Radios

KPG-46XM	USB Programming interface cable	121.50	162.00
KPG-124DNK	Windows® Programming Software for TK-7302/8302 (Compliant with FCC Part 90 Narrowbanding).	77.44	103.25

INSTALLATION / TUNING CHARGES		EPL	LIST
L-1642	TK-7302/8302 Programming (with basic TX/RX check)	28.13	37.50
L-1643	Install Garmin GPS15XL-W in 302-Series mobile for FleetSync® AVL	75.00	100.00