Mississippi EPL 3744 Price Pages

KENWOOD
AUTHORIZED DEALER

MSWIN Compatible P25 Phase 2 TDMA Price Guide

Effective Date: October 2017

Table of Contents:

Portables

Mobiles

Radio Series	Programming and Installation Services	Programming Cost	Installation Cost
	PORTABLES		
NX-5200/5300		$75.00	N/A
NX-5400 MSWIN TDMA		$75.00	N/A
TK-5410G/5310G		$75.00	N/A
TK-5220/5320		$75.00	N/A
	MOBILES		
NX-5700/5800/5900 MSWIN TDMA	Single Band/Dash Mount	$75.00	$75.00
NX-5700/5800/5900 MSWIN TDMA	Single Band/Single Head Remote	$75.00	$125.00
NX-5700/5800/5900 MSWIN TDMA	Single Band/Dual Head Remote	$75.00	$175.00
NX-5700/5800/5900 MSWIN TDMA	Dual Deck/Single Head Single Speaker Remote	$125.00	$200.00
NX-5700/5800/5900 MSWIN TDMA	Dual Deck/Single Head Dual Speaker Remote	$125.00	$200.00
NX-5700/5800/5900 MSWIN TDMA	Dual Deck/Dual Head Single Speaker Remote	$125.00	$225.00
NX-5700/5800/5900 MSWIN TDMA	Dual Deck/Dual Head Dual Speaker Remote	$125.00	$225.00
NX-5700/5800/5900 MSWIN TDMA	Triple Deck/Single Head Single Speaker Remote	$175.00	$250.00
NX-5700/5800/5900 MSWIN TDMA	Triple Deck/Single Head Triple Speaker Remote	$175.00	$250.00
NX-5700/5800/5900 MSWIN TDMA	Triple Deck/Dual Head Single Speaker Remote	$175.00	$250.00
NX-5700/5800/5900 MSWIN TDMA	Triple Deck/Dual Head Triple Speaker Remote	$175.00	$275.00
TK-5710G/5810G	Dash Mount	$75.00	$75.00
TK-5710G/5810G	Single Band Single Head Remote	$75.00	$125.00
TK-5710G/5810G	Single Band Dual Head Remote	$75.00	$175.00
TK-5710G/5810G	Single Band Handheld Control Head	$75.00	$125.00
TK-5720/5820	Dash Mount	$75.00	$75.00
TK-5720/5820	Single Band Single Head Remote	$75.00	$125.00
TK-5910	Dash Mount	$75.00	$75.00
TK-5910	Single Band Single Head Remote	$75.00	$125.00
TK-5910	Single Band Dual Head Remote	$75.00	$225.00
TK-5910	Single Band Handheld Control Head	$75.00	$125.00

Programming - Installation Cost

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 [2]
• Site Roaming [2]

■ 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

2. Future release

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 Unites *DMR Only (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))

NEXEDGE® P25 DMR — NX-5200/5300

VHF/UHF Digital & FM Analog Portable Radios

RADIO		EPL	LIST
Standard Key Models			
NX-5200K2	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	618.75	825.00
NX-5300K2	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	618.75	825.00
NX-5300K5	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	618.75	825.00

Full Key Models		EPL	LIST
NX-5200K3	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	656.25	875.00
NX-5300K3	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	656.25	875.00
NX-5300K6	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	656.25	875.00

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	618.75	825.00
NX-5200-ISCK3	VHF (136-174MHz), 6.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	656.25	875.00
NX-5300-ISCK2	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	618.75	825.00
NX-5300-ISCK3	UHF (450-520MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	656.25	875.00
NX-5300-ISCK5	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	618.75	825.00
NX-5300-ISCK6	UHF (380-470MHz), 5.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	656.25	875.00

OVER THE AIR PROGRAMMING (OTAP)		EPL	LIST
KPG-180AP	OTAP Manager Software (Windows® Vista/7/8/8.1/10)	663.00	884.00
	• 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		

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.

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.

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

		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"*	150.00	200.00

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:** - DMR Mode only. NXDN Mode will be version up. 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.	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

ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	10.50	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	10.50	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	10.50	14.00
KRA-27M	UHF whip antenna 440-490 MHz	10.50	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	10.50	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	10.50	14.00
KRA-22M	VHF low-profile helical antenna 148-162 MHz	10.28	13.70
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	10.28	13.70
KRA-22M3	VHF low-profile helical antenna 136-150 MHz	10.28	13.70

NEXEDGE® P25 DMR — NX-5200/5300

VHF/UHF Digital & FM Analog Portable Radios

Model	Description	EPL	LIST
KRA-23M	UHF low-profile helical antenna 450-490 MHz	10.28	13.70
KRA-23M2	UHF low-profile helical antenna 470-512 MHz	10.28	13.70
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	10.28	13.70
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	25.69	34.25
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	31.50	42.00
KRA-29	Broad Band UHF Whip Antenna 380-430 MHz	27.56	36.75

BATTERIES AND CHARGERS		EPL	LIST
KNB-L1M	Li-ion 2000mAh (Compact Slim)	86.25	115.00
KNB-L2M	Li-ion 2600mAh (Standard)	101.25	135.00
KNB-L3M	Li-ion 3400mAh (High Capacity)	131.25	175.00
KNB-N4M	Ni-MH 2500mAh	108.75	145.00
KNB-LS5M	CSA US Intrinsically Safe Battery Li-ion 2000mAh **Note:** Due to the I.S. circuitry on the KNB-LS5M, 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 or KSC-326K. **[Intrinsically Safe Option]**	150.00	200.00
KBP-8M	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. **Note**: The color of the case is International Orange.	79.50	106.00
KSC-Y32K	Rapid rate single unit charger (Long-Life Charge Mode capable with KAS-12 Software)	86.25	115.00
KSC-32	Rapid rate single unit charger	52.50	70.00
KSC-326K	Rapid rate 6-unit charger	472.50	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.31	33.75
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	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	225.00	300.00

CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	11.03	14.70
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	19.73	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	16.50	22.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case	27.56	36.75
KLH-200K3	Heavy duty leather carrying case for NX-5000 series with KNB-L1/L2/L3/LS5 (for both keypad models)	33.19	44.25
KLH-201K3	Nylon carrying case for NX-5000-series with KNB-L1/L2/L3/LS5 (for both keypad models)	19.73	26.30

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	40.00
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	40.00

MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-54WDM	MIL-SPEC, IP67 (Immersion) Speaker Mic **Compatible with ANR Feature** **Note:** only compatible with a NX-5000 series portable **[Intrinsically Safe Option]**	97.50	130.00
KMC-42WDM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic **[Intrinsically Safe Option]**	85.50	114.00

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

Model	Description	EPL	LIST
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector	187.50	250.00
	Note: 5/16" Coax cable hex wrench included (antenna is not included).		
	[Intrinsically Safe Option]		
KEP-1	3.5mm earphone kit for KMC-41/42W/54W Speaker Mics	39.38	52.50
	[Intrinsically Safe Option]		
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic	39.38	52.50
	[Intrinsically Safe Option]		
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector)	161.25	215.00
	[Intrinsically Safe Option]		
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black)	117.38	156.50
	[Intrinsically Safe Option]		
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black)	138.00	184.00
	Note: NOT compatible with TDMA operations		
	[Intrinsically Safe Option]		

MICROPHONES & AUDIO ACCESSORIES CON'T

Model	Description	EPL	LIST
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT	94.50	126.00
	Note: NOT compatible with TDMA operations		
	[Intrinsically Safe Option]		
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT	315.00	420.00
	Note: NOT compatible with TDMA operations		
	[Intrinsically Safe Option]		
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT	276.00	368.00
	Note: NOT compatible with TDMA operations		
	[Intrinsically Safe Option]		

ENCRYPTION & OPTION MODULES

Model	Description	EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key)	637.50	850.00
	Order a Labor Code L-5003 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).		
KWD-AE31K	AES & DES Encryption Module (Multi-Key)	412.50	550.00
	Order a Labor Code L-5004 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)		
KCT-48VU	External Vibration Unit	36.75	49.00
	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]		
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K	393.75	525.00
	Authentication by KPT-300LMC is required		
	Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)		
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

Model	Description	EPL	LIST
KPG-36XM	Full Speed USB Programming interface cable	118.88	158.50
	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	196.88	262.50

SERVICE RELATED ACCESSORIES, CON'T

Model	Description	EPL	LIST
KPG-93AUT	KVL-4000 Radio Authentication Cable	247.50	330.00
	Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.		

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

Code	Description	EPL	LIST
KWD-ASK-AK	Access Key for KPG-D1NK P25 trunked programming	156.00	208.00

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.

| KWD-ASK-MK | Master Key for activating KWD-ASK-AK Access Keys | 375.00 | 500.00 |

- 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.

INSTALLATION / TUNING CHARGES

Code	Description	EPL	LIST
L-5000	Account Registration Key	N/C	N/C

Note: specify the number of PC's used for Radio Feature License Activation.

| 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.

INSTALLATION / TUNING CHARGES CON'T

Code	Description	EPL	LIST
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

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

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-L5M I.S. battery	52.50	70.00

-- IMPORTANT NOTES regarding ENCRYPTION MODULES--

NX-5200/5300

VHF/UHF Digital & FM Analog Portable Radios

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:

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

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

MSWIN Compatible P25 Phase 2 TDMA

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-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
• 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
• 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
• 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 [2]
• Site Roaming [2]

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

2. Future release

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 Unites *DMR Only (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))

MSWIN Compatible P25 Phase 2 TDMA

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

RADIO		EPL	LIST
NX-5400K2	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Standard Key Model	618.75	825.00
NX-5400K3	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Full Key Model	656.25	875.00
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	618.75	825.00
NX-5400-ISCK3	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Full Key Model	656.25	875.00
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*	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
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.

MSWIN Compatible P25 Phase 2 TDMA

NEXEDGE®
P25 DMR

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

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.**		
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.	150.00	200.00
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:** - DMR Mode only. NXDN Mode will be version up. P25 Mode is <u>NOT</u> available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does <u>NOT</u> require the license.	30.00	40.00
P25 Radio Features		EPL	LIST
KWD-5100CV	License Key for P25 Conventional	431.25	575.00
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV)	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
KWD-5300CV	License Key for DMR Tier II Conventional	45.00	60.00
ANTENNAS		EPL	LIST

MSWIN Compatible P25 Phase 2 TDMA

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

KRA-32K	700/800 MHz Whip Antenna	26.25	35.00
KRA-36	700/800 MHz Stubby Antenna	18.75	25.00

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

BATTERIES AND CHARGERS		EPL	LIST
KNB-L1M	Li-ion 2000mAh (Compact Slim)	86.25	115.00
KNB-L2M	Li-ion 2600mAh (Standard)	101.25	135.00
KNB-L3M	Li-ion 3400mAh (High Capacity)	131.25	175.00
KNB-N4M	Ni-MH 2500mAh	108.75	145.00
KNB-LS5M	CSA US Intrinsically Safe Battery Li-ion 2000mAh **Note:** Due to the I.S. circuitry on the KNB-LS5M, 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 or KSC-326K. **[Intrinsically Safe Option]**	150.00	200.00
KBP-8M	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. **Note**: The color of the case is International Orange.	79.50	106.00
KSC-Y32K	Rapid rate single unit charger (Long-Life Charge Mode capable with KAS-12 Software)	86.25	115.00
KSC-32	Rapid rate single unit charger	52.50	70.00
KSC-326K	Rapid rate 6-unit charger	472.50	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.32	33.75
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	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	225.00	300.00
CARRYING ACCESSORIES		**EPL**	**LIST**
KBH-11	Spring action belt clip (2.5")	11.03	14.70
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	19.73	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	16.50	22.00
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case	27.56	36.75
KLH-200K3	Heavy duty leather carrying case for NX-5000 series with KNB-L1/L2/L3/LS5 (for both keypad models)	33.19	44.25
KLH-201K3	Nylon carrying case for NX-5000-series with KNB-L1/L2/L3/LS5 (for both keypad models)	19.73	26.30
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	40.00
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	40.00
MICROPHONES & AUDIO ACCESSORIES		**EPL**	**LIST**

MSWIN Compatible P25 Phase 2 TDMA

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

		EPL	LIST
KMC-54WDM	MIL-SPEC, IP67 (Immersion) Speaker Mic **Compatible with ANR Feature** **Note:** only compatible with a NX-5000 series portable **[Intrinsically Safe Option]**	97.50	130.00
KMC-42WDM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic **[Intrinsically Safe Option]**	85.50	114.00
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector **Note**: 5/16" Coax cable hex wrench included (antenna is not included). **[Intrinsically Safe Option]**	187.50	250.00
KEP-1	3.5mm earphone kit for KMC-41/42W/54W Speaker Mics **[Intrinsically Safe Option]**	39.38	52.50
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic **[Intrinsically Safe Option]**	39.38	52.50
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) **[Intrinsically Safe Option]**	161.25	215.00

MICROPHONES & AUDIO ACCESSORIES CONT		EPL	LIST
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) **[Intrinsically Safe Option]**	117.38	156.50
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	138.00	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	94.50	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT **Note:** NOT compatible with TDMA operations **[Intrinsically Safe Option]**	315.00	420.00
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]**	276.00	368.00
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. 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)	637.50	850.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code **L-5004** 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)	412.50	550.00
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	36.75	49.00
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)	393.75	525.00
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.	118.88	158.50

MSWIN Compatible P25 Phase 2 TDMA

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

KPG-93	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	196.88	262.50
KPG-93AUT	KVL-4000 Radio Authentication Cable **Note:** Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	247.50	330.00
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	156.00	208.00
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. • Purchase KWD-ASK-AK Access Keys if needed	375.00	500.00

MSWIN Compatible P25 Phase 2 TDMA

NEXEDGE®
P25 DMR

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

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5000	Account Registration Key	N/C	N/C
	Note: specify the number of PC's used for Radio Feature License Activation.		
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-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	56.25	75.00
	(Must purchase module separately)		
L-5004	Install KWD-AE31K in NX-5000 series Portable	56.25	75.00
	(Must purchase module separately)		
L-5005	KPG-D1NK System Key File (SKF)	99.00	132.00
	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		
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	52.50	70.00
	Must order KNB-LS5M I.S. battery		

-- 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:

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

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

MSWIN Compatible P25 Phase 2 TDMA

NEXEDGE®

P25 DMR

NX-5400

700/800MHz Digital & FM Analog Portable Radio

MSWIN Compatible P25 Phase 2 TDMA

NEXEDGE®
P25 DMR

NX-5700/5800/5900

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

Table of Contents

STANDARD

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

■ 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 Releay 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 [3]
- Site Roaming [3]

■ 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

3. Future release

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 Unites *DMR Only (KWD-5007RC License Key Activation required)
- 256-bit AES Encryption (KWD-AE30K/31K Encryption Module 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)*
* ONLY for the radios with S/N: B5900000 or earlier.
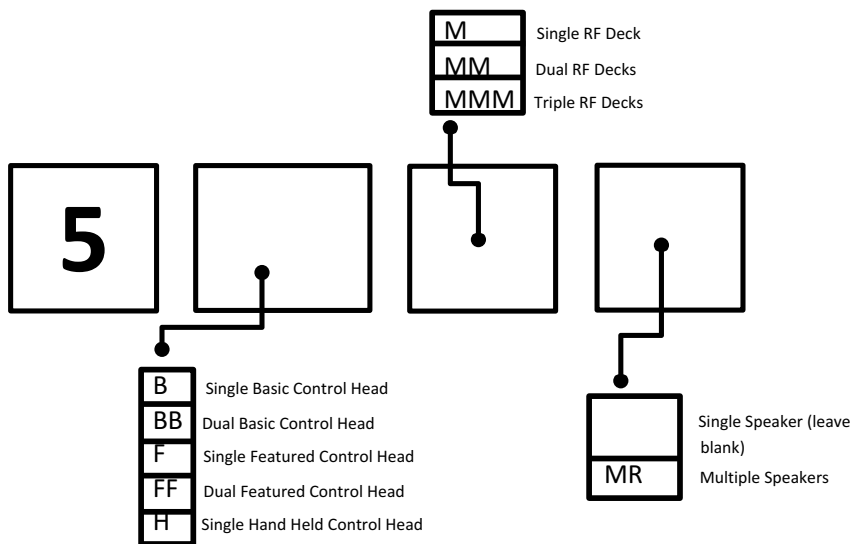
MSWIN Compatible P25 Phase 2 TDMA

NEXEDGE P25 DMR	**NX-5700/5800/5900** **VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios**	Table of Contents

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	735.00	980.00
NX-5800K　　UHF (450-520MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	735.00	980.00
NX-5800K2　　UHF (380-470MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	735.00	980.00
NX-5900K　　700 / 800 MHz, 30/35 Watts NXDN Conventional / 800MHz TYPE-C (Gen1/Gen2) Trunking	937.50	1,250.00

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)	540.00	720.00
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)	540.00	720.00
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)	540.00	720.00
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)	742.50	990.00

ACCESSORY CONFIGURATION KITS

M	Single RF Deck
MM	Dual RF Decks
MMM	Triple RF Decks

5

B	Single Basic Control Head
BB	Dual Basic Control Head
F	Single Featured Control Head
FF	Dual Featured Control Head
H	Single Hand Held Control Head

Single Speaker (leave blank)

MR	Multiple Speakers

* Multiple Speakers configurations allow simultaneous monitoring of multiple RF Decks.

Single Deck Single Head Remote Mount	*EPL*	*LIST*
5BM　　KCH-19M, KRK-14HM, KRK-15BM, KCT-71M2, KCT-23M3, KMB-33M, KMC-35	420.19	560.25
5FM　　KCH-20RM, KRK-15BM, KCT-71M2, KCT-23M3, KMB-33M, KMC-35, KES-5, KCT-72M	689.40	919.20
5HM　　KCH-21RM, KRK-15BM, KCT-77M2, KCT-23M3, KMB-33M	957.75	1,277.00
L-5029　　Package Single Deck Single Head Remote for Basic/Featured Panel (MUST purchase NX-5x00(B) RF Deck and the Kit with this labor for full installation).	56.25	75.00

Single Deck Dual Head Remote Mount	*EPL*	*LIST*
5BBM　　KCH-19M(x2), KRK-14HM(x2), KRK-15BM, KCT-71M2(x2), KCT-23M3, KMB-33M, KMC-35(x2)	766.31	1,021.75
5FFM　　KCH-20RM(x2), KRK-15BM, KCT-71M2(x2), KCT-23M3, KMB-33M, KMC-35(x2), KES-5(x2), KCT-72M(x2)	1,304.74	1,739.65
L-5030　　Package Single Deck Dual Head Remote for Basic/Featured Panel (MUST purchase NX-5x00(B) RF Deck and the Kit with this labor for full installation).	105.00	140.00

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NEXEDGE P25 DMR	NX-5700/5800/5900	Table of Contents
	VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios	

Dual Deck Single Head Single Speaker Remote Mount		EPL	LIST
5BMM	KCH-19M, KRK-14HM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KMC-35	528.00	704.00
5FMM	KCH-20RM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KMC-35, KES-5, KCT-72M	797.21	1,062.95
5HMM	KCH-21RM, KRK-15BM(x2), KCT-77M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2)	1,065.53	1,420.70
L-5031	Package Dual Deck Single Head Remote for Basic/Feature Panel (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation). **Note: MUST submit the Remote Mount Configuration Request Form.**	63.75	85.00

Dual Deck Single Head Dual Speaker Remote Mount		EPL	LIST
5BMM-MR	KCH-19M, KRK-14HM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KMC-35, KES-5(x2), KAP-2(x2)	714.38	952.50
5FMM-MR	KCH-20RM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KMC-35, KES-5(x2), KAP-2(x2)	910.13	1,213.50
5HMM-MR	KCH-21RM, KRK-15BM(x2), KCT-77M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5(x2), KAP-2(x2)	1,251.98	1,669.30
L-5032	Package Dual Deck Single Head Dual Speaker Remote for Basic/Featured Panel (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation) **Note: MUST submit the Remote Mount Configuration Request Form.**	112.50	150.00

Dual Deck Dual Head Single Speaker Remote Mount		EPL	LIST
5BBMM	KCH-19M(x2), KRK-14HM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KMC-35(x2)	874.13	1,165.50
5FFMM	KCH-20RM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KMC-35(x2), KES-5(x2), KCT-72M(x2)	1,412.55	1,883.40
L-5033	Package Dual Deck Dual Head Single Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation) **Note: MUST submit the Remote Mount Configuration Request Form.**	112.50	150.00

Dual Deck Dual Head Dual Speaker Remote Mount		EPL	LIST
5BBMM-MR	KCH-19M(x2), KRK-14HM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KMC-35(x2), KES-5(x2), KAP-2(x2)	1,060.50	1,414.00
5FFMM-MR	KCH-20RM(x2), KRK-15BM(x2), KCT-71M2(x2), KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KMC-35(x2), KES-5(x2), KAP-2(x2)	1,452.00	1,936.00
L-5034	Package Dual Deck Dual Head Dual Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation) **Note: MUST submit the Remote Mount Configuration Request Form.**	116.25	155.00

Triple Deck Single Head Single Speaker Remote Mount		EPL	LIST
5BMMM	KCH-19M, KRK-14HM, KRK-15BM(x3), KCT-71M2, KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3), KMC-35	635.82	847.75
5FMMM	KCH-20RM, KRK-15BM(x3), KCT-71M2, KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3), KMC-35, KES-5, KCT-72M	905.03	1,206.70
5HMMM	KCH-21RM, KRK-15BM(x3), KCT-77M2, KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3)	1,173.23	1,564.30
L-5035	Package Triple Deck Single Head Single Speaker Remote for Basic/Featured Panel (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation) **Note: MUST submit the Remote Mount Configuration Request Form.**	105.00	140.00

Triple Deck Single Head Triple Speaker Remote Mount		EPL	LIST
5BMMM-MR	KCH-19M, KRK-14HM, KRK-15BM(x3), KCT-71M2, KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3), KMC-35, KES-5(x3), KAP-2(x3)	915.38	1,220.50
5FMMM-MR	KCH-20RM, KRK-15BM(x3), KCT-71M2, KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3), KMC-35, KES-5(x3), KAP-2(x3)	1,111.13	1,481.50
5HMMM-MR	KCH-21RM, KRK-15BM(x3), KCT-77M2, KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3), KES-5(x3), KAP-2(x3)	1,452.98	1,937.30
L-5036	Package Triple Deck Single Head Triple Speaker Remote for Basic/Featured Panel (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation) **Note: MUST submit the Remote Mount Configuration Request Form.**	112.50	150.00

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NEXEDGE **P25 DMR**

NX-5700/5800/5900

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Triple Deck Dual Head Single Speaker Remote Mount		EPL	LIST
5BBMMM	KCH-19M(x2), KRK-14HM(x2), KRK-15BM(x3), KCT-71M2(x2), KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3), KMC-35(x2)	981.94	1,309.25
5FFMMM	KCH-20RM(x2), KRK-15BM(x3), KCT-71M2(x2), KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3), KMC-35(x2), KES-5(x2), KCT-72M(x2)	1,520.36	2,027.15
L-5037	Package Triple Deck Dual Head Single Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation) Note: MUST submit the Remote Mount Configuration Request Form.	120.00	160.00
Triple Deck Dual Head Triple Speaker Remote Mount (MUST be KENWOOD Assembled)		EPL	LIST
5BBMMM-MR	KCH-19M(x2), KRK-14HM(x2), KRK-15BM(x3), KCT-71M2(x2), KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3), KMC-35(x2), KES-5(x3), KAP-2(x3)	1,261.50	1,682.00
5FFMMM-MR	KCH-20RM(x2), KRK-15BM(x3), KCT-71M2(x2), KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3), KMC-35(x2), KES-5(x3), KAP-2(x3)	1,653.00	2,204.00
L-5038	Package Triple Deck Dual Head Triple Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation) Note: MUST submit the Remote Mount Configuration Request Form.	135.00	180.00
FRONT PANELS & REMOTE KITS		EPL	LIST
KCH-19M	Basic Control Panel Full Featured Remote Control Panel	135.00	180.00
KCH-20RM	**Note**: - 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 are byproduct of microSD and Bluetooth	450.00	600.00
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.	746.25	995.00
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.	746.25	995.00
KRK-14HM	Control Head Interface Kit for KCH-19M	119.25	159.00
KRK-15BM	Control Head Remote Kit for a RF Deck	37.50	50.00
CABLES		EPL	LIST
KCT-71M2	Remote Control Cable (17 feet)	52.50	70.00
KCT-71M3	Remote Control Cable (25 feet)	60.00	80.00
KCT-71M4	Remote Control Cable (1.6 feet)	33.75	45.00
KCT-77M2	Remote Control Cable for KCH-21RM (17 feet)	137.48	183.30
KCT-23M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)	23.63	31.50
KCT-23M3	DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	26.06	34.75
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KAP-2	Horn Alert/P.A. Relay Option	47.25	63.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	10.28	13.70
KCT-72M	External Accessory Connection Cable for KCH-19M / KCH-20RM	27.53	36.70
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	31.50	42.00
KMB-10	Key lock adapter	19.73	26.30
KMB-33M	Standard Mounting Bracket	10.50	14.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00
KRA-40GM	GPS Antenna	31.50	42.00
CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) Note: NOT compatible with TDMA operations	64.50	86.00
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.00	48.00

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NEXEDGE® P25 DMR	**NX-5700/5800/5900** **VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios**	**Table of Contents**

KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00

MICROPHONES AND SPEAKERS		*EPL*	*LIST*
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	39.38	52.50
KMC-36	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	70.88	94.50
KES-3S	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	33.19	44.25
KES-5	External speaker, 40W max input **Note:** requires KAP-2 (PA/HA unit) or KCT-72M (connection cable) installed.	45.94	61.25
KCT-73MIC	External Microphone kit w/ 9.8 ft. cord for Safer Driving	20.25	27.00
KCT-74PTT	External PTT Switch kit w/ 9.8 ft cord for Safer Driving	17.25	23.00

Hands-free operation

To promote driver safety and meet hands-free regulations in certain regions, NX-5000 series mobile offers external microphone and PTT as options.

NOTE: Connecting to the radio via DB25 terminal on backside of RF Deck or via optional KCT-72 "Connection Cable" on backside of KCH-19M and KCH-20R*.

KCT-73MIC is not compatible with other NX/TK-mobile radios.
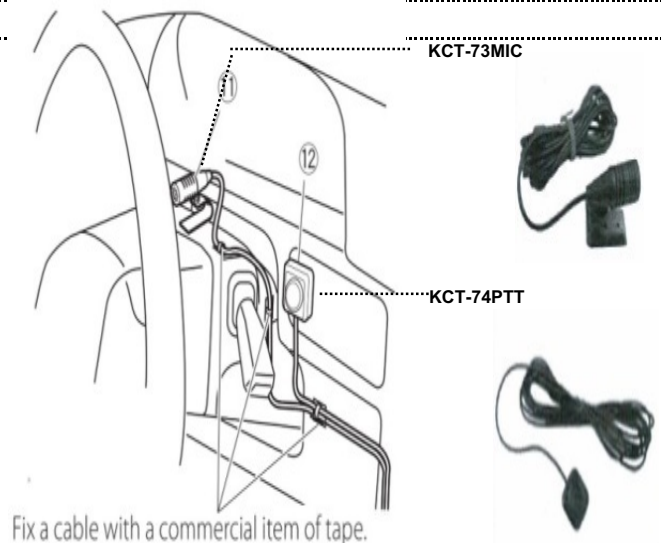
KCT-73MIC

KCT-74PTT

Fix a cable with a commercial item of tape.

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NEXEDGE® P25 DMR

NX-5700/5800/5900

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

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		

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)	663.00	884.00
	• 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		

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	1,250.25	1,667.00
	Note: License includes 100 subscriber radios OTAP License.		
KWD-AP5250	Additional 250 Radio Package License for 1 PC	2,187.75	2,917.00
	Note: License includes 250 subscriber radios OTAP License.		
KWD-AP5500	Additional 500 Radio Package License for 1 PC	3,125.25	4,167.00
	Note: License includes 500 subscriber radios OTAP License.		
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC.	187.50	250.00
	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).		
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC.	312.75	417.00
	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) .		
KWD-AP3-P25	P25 Radio to Radio Air Communication Profile for 1 PC.	600.00	800.00
	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.		

-- 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.

Offline Authentication Option	EPL	LIST

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NEXEDGE® **P25 DMR**	**NX-5700/5800/5900** **VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios**	**Table of Contents**	

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"*	150.00	200.00

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:** - DMR Mode only. NXDN Mode will be version up. P25 Mode is <u>NOT</u> available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does <u>NOT</u> require the license.	30.00	40.00

P25 Radio Features		*EPL*	*LIST*
KWD-5100CV	License Key for P25 Conventional	431.25	575.00
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV)	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

ENCRYPTION MODULES		*EPL*	*LIST*
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code <u>L-5007</u> 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)	637.50	850.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code <u>L-5008</u> 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)	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)	393.75	525.00
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

FleetSync® & NEXEDGE® AVL & MESSAGING		*EPL*	*LIST*

MSWIN Compatible P25 Phase 2 TDMA

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

| 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 |

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.	118.88	158.50
KPG-115	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	196.88	262.50
KPG-115AUT	KVL-4000 Radio Authentication Cable **Note:** Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	247.50	330.00

SERVICE RELATED ACCESSORIES, CON'T		**EPL**	**LIST**
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.	156.00	208.00
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	375.00	500.00

INSTALLATION / TUNING CHARGES		**EPL**	**LIST**
L-5000	Account Registration Key **Note:** specify the number of PC's used for Radio Feature License Activation.	N/C	N/C
L-5001	Factory Activation of Radio Feature Licenses (per Radio) **Note:** Must purchase Radio Feature Licenses separately. KPT-300I MC's History Menu will not display the Radio Features activated by Factory.	90.00	120.00
L-5006	NX-5700/5800 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-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-5015	Install KAP-2 (Default) HR1/Internal Sp./PA. **Note:** This labor code is only for indivisual orders for mobile configuration. The labor code (L-5032, 5034, 5036 and 5038) for Multi RF Deck Configuration Package includes installation of KAP-2.	18.75	25.00
L-5016	Assemble NX-5000 Mobile for Single Remote Head Control	31.50	42.00

MSWIN Compatible P25 Phase 2 TDMA

	NX-5700/5800/5900	Table of Contents

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

Code	Description	EPL	LIST
L-5020	KCT-71 Extended Control Head Cable (up to 50 ft. max.)	142.50	190.00
	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.		
L-5021	KCT-71 Extended Control Head Cable (up to 100 ft. max.)	183.75	245.00
	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.		
L-5022	USB Mobile Cable for SD Card Direct Access Support	71.25	95.00
	Note: microSD function reuires KWD-5002SD license.		
L-5023	DB25 Cable for Mobile Relay Station (Conventional Only)	26.25	35.00
	Note:		
	- Mobile Relay Station requires Multi RF Deck Configuration. The cable requires between Decks.		
	- Built-in GPS and Bluetooth are not available with Mobile Relay Station.		
	- DMR is not avaialbe and version up later.		
L-5029	Package Single Deck Single Head Remote	56.25	75.00
	(MUST purchase NX-5x00(B) RF Deck and the Kit with this labor for full installation)		
L-5030	Package Single Deck Dual Head Remote	105.00	140.00
	(MUST purchase NX-5x00(B) RF Deck and the Kit with this labor for full installation)		
L-5031	Package Dual Deck Single Head Remote	63.75	85.00
	(MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)		
	Note: MUST submit the Remote Mount Configuration Request Form.		
L-5032	Package Dual Deck Single Head Dual Speaker Remote	112.50	150.00
	(MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)		
	Note: MUST submit the Remote Mount Configuration Request Form.		
L-5033	Package Dual Deck Dual Head Single Speaker Remote	112.50	150.00
	(MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)		
	Note: MUST submit the Remote Mount Configuration Request Form.		

INSTALLATION / TUNING CHARGES, CON'T		EPL	LIST
L-5034	Package Dual Deck Dual Head Dual Speaker Remote	116.25	155.00
	(MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)		
	Note: MUST submit the Remote Mount Configuration Request Form.		
L-5035	Package Triple Deck Single Head Single Speaker Remote	105.00	140.00
	(MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)		
	Note: MUST submit the Remote Mount Configuration Request Form.		
L-5036	Package Triple Deck Single Head Triple Speaker Remote	112.50	150.00
	(MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)		
	Note: MUST submit the Remote Mount Configuration Request Form.		
L-5037	Package Triple Deck Dual Head Single Speaker Remote	120.00	160.00
	(MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)		
	Note: MUST submit the Remote Mount Configuration Request Form.		
L-5038	Package Triple Deck Dual Head Triple Speaker Remote	135.00	180.00
	(MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)		
	Note: MUST submit the Remote Mount Configuration Request Form.		

-- 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.

TK-5210G / 5310G
VHF/UHF FM Analog & P25 Digital Portable Radios

All 5X10G series portables 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,
or purchase Battery, Charger, and Antenna separately.

G models are Ver 3 Hardware (starting S/No. B03xxxxx)

Basic Model
No LCD display; no front panel keys
- TK-5210GK, TK-5310GK/GK4

Standard Model
16-Character Alphanumeric LCD
4 control keys
- TK-5210GK2, TK-5310GK2/K5

12 Keypad Model
16-Character Alphanumeric LCD
4 control keys
DTMF/Function keypad
- TK-5210GK3, TK-5310GK3/K6

STANDARD

■ GENERAL FEATURES
• 5 Watt (136-174 MHz)
• 4 Watt (450-520, 380-470 MHz)
• 100 Zones / 1024 Channels (K-K6)
• Personality Lists
• Backlit Dot Matrix LCD
• 16 Character Alphanumeric Aliases
• 3-Digit Sub-Display
• Function / Status LCD Icons
• RSSI Indicator
• Transmit / Busy / Call Alert / Warn LED
• On/Off Volume Knob
• 16-Position Selector Knob
• 2-Position PF Lever Switch
• 3-Position PF Concentric Switch
• 4 Front Menu-Driven PF Keys
• 3 Side PF Keys
• Orange Emergency / AUX Key
• 12-Key DTMF / PF Keypad
• Enhanced Kenwood Audio
• Voice Annunciation
• VOX Ready
• Emergency Features
• Tactical Group
• Battery Level Indicator
• Transceiver Password
• Date & 12/24 Hour Time Clock
• Windows® Programming & Tuning
• Windows® Firmware Uploading
• Self-Programming & Tuning
• Cloning
• Easy Option Port
• Voice Guide & Storage (Option)
• Weather-Sealed Accessory Connector
• MIL-STD-810 C/D/E/F/G
• IP54/55 Water & Dust Protection
• Immersion (IP66/67/68) Option
• Intrinsically Safe Option*

■ DIGITAL – NXDN® MODE
• P25 Digital Conventional
• P25 Digital Trunking Option
• AMBE+2™ Enhanced VOCODER
• Talk Group ID Lists
• Individual ID Lists
• Caller ID Display
• Remote Monitor/Remote Check
• Radio Inhibit
• Encryption Key Delete
• Encryption Key Zeroize Option
• Encryption Key Retention Option
• DES Encryption Options
• AES / DES Encryption Options
• KPG-93 KVL Key Loader Interface Cable
• P25 GPS Location
• P25 OTAR Option

■ SCAN TYPES (FM & P25)
• Single Zone/Multi-Zone Scan
• Scan Lists
• Conventional Scan
• Limited Talk Group Scan
• Priority Monitor Scan
• Dual Priority Scan

■ FM
• QT / DQT
• Operator Selectable Tone
• Two-Tone Encode / Decode
• DTMF Encode / Decode / Stun
• Special Alert Tone Patterns
• Encryption / ANI Board Control
• Companded Audio
• FleetSync® /II PTT ID / Caller ID Display / Emergency
• MDC-1200 PTT ID / Caller ID Display / Emergency

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

RADIO		EPL	LIST
TK-5210GK2	136-174MHz 5W, 1024 CH, Standard Model	1,117.50	1,490.00
TK-5210GK3	136-174MHz 5W, 1024 CH, 12 Keypad Model	1,222.50	1,630.00
TK-5310GK2	450-520 MHz 4W, 1024 CH, Standard Model	1,117.50	1,490.00
TK-5310GK3	450-520 MHz 4W, 1024 CH, 12 Keypad Model	1,222.50	1,630.00
TK-5310GK5	380-470 MHz 4W, 1024 CH, Standard Model	1,117.50	1,490.00
TK-5310GK6	380-470 MHz 4W, 1024 CH, 12 Keypad Model	1,222.50	1,630.00

TK-5210G / 5310G
VHF/UHF FM Analog & P25 Digital Portable Radios

CSA US APPROVED MODELS		EPL	LIST
Must Order L-1802 & an Intrinsically Safe Battery per radio			
TK-5210-ISCGK2	136-174MHz 5W, 1024 CH, Standard Model	1,117.50	1,490.00
TK-5210-ISCGK3	136-174MHz 5W, 1024 CH, 12 Keypad Model	1,222.50	1,630.00
TK-5310-ISCGK2	450-520 MHz 4W, 1024 CH, Standard Model	1,117.50	1,490.00
TK-5310-ISCGK3	450-520 MHz 4W, 1024 CH, 12 Keypad Model	1,222.50	1,630.00
TK-5310-ISCGK5	380-470 MHz 4W, 1024 CH, Standard Model	1,117.50	1,490.00
TK-5310-ISCGK6	380-470 MHz 4W, 1024 CH, 12 Keypad Model	1,222.50	1,630.00

[note 1]: these models are stocked in minimum quantities. Please anticipate a minimum 90-day lead time and call order desk to verify availability.

PACKAGES		EPL	LIST
TK-5210GK2-NKP	VHF NiMH Battery Package (TK-5210GK2 + KNB-54N + KSC-32 + KBH-11)	1,236.00	1,648.00
TK-5210GK2-LKP	VHF Li-Ion Battery Package (TK-5210GK2 + KNB-43L + KSC-32 + KBH-11)	1,292.25	1,723.00
TK-5310GK2-NKP	UHF NiMH Battery Package (TK-5310GK2 + KNB-54N + KSC-32 + KBH-11)	1,236.00	1,648.00
TK-5310GK2-LKP	UHF Li-Ion Battery Package (TK-5310GK2 + KNB-43L + KSC-32 + KBH-11)	1,292.25	1,723.00

ANTENNAS		EPL	LIST
KRA-26M	VHF helical antenna 146-162 MHz	10.50	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	10.50	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	10.50	14.00
KRA-27M	UHF whip antenna 440-490 MHz	10.50	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	10.50	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	10.50	14.00
KRA-22M	VHF low-profile helical antenna 148-162 MHz	10.28	13.70
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	10.28	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.28	13.70
KRA-23M	UHF low-profile helical antenna 450-490 MHz	10.28	13.70
KRA-23M2	UHF low-profile helical antenna 470-512 MHz	10.28	13.70
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	10.28	13.70
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	25.69	34.25
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	31.50	42.00
KRA-29	Broad Band UHF Whip Antenna 380-430 MHz	27.56	36.75

BATTERIES AND CHARGERS		EPL	LIST
KNB-54N	2500 mAh, Ni-MH battery - requires KSC-32/326K charger **[Immersion Option compatible]**	65.63	87.50
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K charger **[Immersion Option compatible]**	78.75	105.00
KNB-41NC	2500 mAh, Ni-MH battery - requires KSC-32/326K charger **[FM & CSA-us ntrinsically Safe Option]**	102.38	136.50
KNB-43L	3300 mAh, Li-Polymer battery - requires KSC-32/326K charger	122.25	163.00
KBP-6	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included Note: the color of the case is orange	51.38	68.50
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).	52.50	70.00
KSC-326K	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	472.50	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.31	33.75

TK-5210G / 5310G
VHF/UHF FM Analog & P25 Digital Portable Radios

BATTERIES AND CHARGERS, CON'T		EPL	LIST
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	143.25	191.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	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	225.00	300.00

CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	11.03	14.70
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	19.73	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	16.50	22.00
KLH-133K2	Heavy duty leather carrying case for TK-5*10 Standard Models	33.19	44.25
KLH-133K3	Heavy duty leather carrying case for TK-5*10 12 Keypad Models	33.19	44.25
KLH-134K2	Cordura Nylon carrying case for TK-5*10 Standard Models	19.73	26.30
KLH-134K3	Cordura Nylon carrying case for TK-5*10 12 Keypad Models	19.73	26.30
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)	27.56	36.75

MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-51DM	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic	187.50	250.00
KMC-52WDM	MIL-SPEC, **IP67 (Immersion)** DSP Digital Noise-canceling Speaker Mic	225.00	300.00
	[note 2]: To adjust microphone settings different from factory default, download KPG-147NC configuration software and special configuration firmware from Kenwood Tools (no charge)		
KMC-47GPSD	GPS Speaker Microphone	217.50	290.00
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic [Intrinsically Safe Approved Accessory]	72.38	96.50
KMC-42WDM	MIL-SPEC, **IP67 (Immersion)** Noise-canceling Speaker Mic [Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]	85.50	114.00
KMC-26	MIL-SPEC, Noise canceling Speaker mic w/Antenna Connector (ant. not incl.) [Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]	86.63	115.50
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector [Intrinsically Safe Approved Accessory] Note: 5/16" Coax cable hex wrench included (antenna is not included).	187.50	250.00
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics [Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]	39.38	52.50
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector)	161.25	215.00
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) [Intrinsically Safe Approved Accessory]	117.38	156.50
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) [Intrinsically Safe Approved Accessory]	138.00	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT [Intrinsically Safe Approved Accessory]	94.50	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]	315.00	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]	276.00	368.00

TK-5210G / 5310G
VHF/UHF FM Analog & P25 Digital Portable Radios

FIRMWARE OPTIONS		EPL	LIST
KWD-RK20	OTAR Option for KWD-AE30K Encryption Module in TK-5x10 series (OTAR in P25 Conventional & Trunked Modes)	622.50	830.00
	• **Requires KWD-AE30K module.**		
	• **L-1108** (for portable) & **L-1109** (for mobile) Installation (no charge)		
	• **L-1733** (for portable) & **L-1734** (for mobile) Field Upgrade Option		
	Note:		
	• Supports OTAR in P25 Conventional & Trunked modes (Not compatible with GK7 64 CH Model)		
	• Compatible with Motorola KMF P25 OTAR (excludes Motorola-proprietary non-TIA/P25 KMF features)		
	• Requires KPG-95D/DG(N) V7.10 or later for radio programming		
	• TK-5x10 VER2: Requires KPG-95D V5.40 or later for radio programming		
	• TK-5410/5910: Requires KPG-95D V6.00 or later for radio programming		
	• TK-5x10G: Requires KPG-95DG(N) for radio programming		
	• TK-5x10 VER2: Option deletes self-programming, cloning and analog FleetSync® (except PTT ID/Emergency) when installed.		
KWD-TR20	Trunking Option for TK-5210/5310/5210G/5310G, TK-5710/5810/5710G/5810G	250.50	334.00
	KWD-TR20 supoort:16 Trunking Network		
	Must order **L-1055** for factory installation, or **L-1067** for field-upgrade option		
	Note: KPG-95D/95DG(N) Requires Network Level License ID to program trunked network radio parameters		
	(see KPG-95D/95DG(N) for purchase restrictions & requirements)		
	Compatible with TK-5210 Version 2 (SN 80600001 or later); TK-5310 (SN 809xxxxx or later); TK-5710 Version 2 (SN806xxxxx): TK-5810 (SN 809xxxxx or later);		

SOFTWARE OPTIONS		EPL	LIST
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K	393.75	525.00
	Authentication by KPT-300LMC is required		
	Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).		
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).		

OPTION MODULES		EPL	LIST
KCT-48VU	External Vibration Unit	36.75	49.00
	[Intrinsically Safe Approved Accessory]		
	Note: Audio accessories cannot be used when this option installed.		
	KCT-48VU does not support the P25 digital mode calling or paging features		
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury)	16.50	22.00
	[Intrinsically Safe Approved Accessory]- Must be Kenwood installed for I.S.		
	Order **L-1613** for CIM-1000, K-20, K-26 & **L-1614** for FleetSync®/P25 Emergency operations		
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key)	637.50	850.00
	Order a Labor Code L-1820 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.		
KWD-AE31K	AES & DES Encryption Module (Multi-Key)	412.50	550.00
	Order a Labor Code L-1821 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.		

TK-5210G / 5310G

VHF/UHF FM Analog & P25 Digital Portable Radios

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-36XM	USB Programming interface cable	118.88	158.50
KPG-93	KVL-3000/3000 Plus/4000 Interface Cable for TK-5x10, TK-5x10G & TK-5x20 Portables	196.88	262.50
KPG-95DGNK	Windows® Programming Software for TK-5x10 & TK-5x10G Portables & Mobiles (Compliant with FCC Part 90 Narrowbanding) **Note**: Self-programming function is not available.	471.00	628.00
	Analog & P25 Conventional Programming A "Dealer-Level" License ID is included with each KPG-95DG(N)K which only permits full analog conventional and P25 conventional programming. Data files created with a "Network-Level Licensed" KPG-95DG(N)K and containing P25 programmed P25 trunked network parameters can be loaded and viewed with a Dealer-Level Licensed KPG-95DG(N)K, but the trunked network parameters cannot be changed.		
	P25 Trunked Programming Capability (licensed by either 1 or 2 below): **1. KPG-95DG(N)K with System Key File (*.SKF)-** See L-989 • For all TK-5x10 radio platforms (VER1, 2, 3 or later). • 3-digit HEX System ID (HSID) and verifiable written authorization required from trunked system operator (SYSOP). • Purchase KPG-95DG(N)K & L-989 Network-Level License ID • Kenwood ships an encrypted *.SKF file on CD ROM • The *.SKF securely embeds/encrypts the 16-digit Network Level License ID & the HSID. **2. KPG-95DG(N)K with Advanced Network Keys (ANK's)**		
KWD-ANK-AK	Access Key for KPG-95DG(N)K P25 trunked programming **Notes**: • For TK-5x10G/5410/5910 VER 3 or later radio platforms only • Must be activated by a SYSOP with KWD-ANK-MK Master Key. • Must have KPG-95DG(N)K (V7.0 or later); L-989 is NOT required.	156.00	208.00
KWD-ANK-MK	Master Key for activating KWD-ANK-AK Access Keys **- Restricted Purchase Requirements -** **Notes**: • For TK-5x10G/5410/5910 VER 3 or later radio platforms only. • Sold to SYSOP or SYSOP authorized entities only • Must have KPG-95DG(N)K (V7.0 or later) with L-989 Network-Level License ID • SYSOP must provide 3-digit HEX HSID to Kenwood. • Purchase KWD-ANK-AK Access Keys if needed.	375.00	500.00

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-989	KPG-95D/95DG(N) Network Level ID (encrypted data file)	99.00	132.00
L-990	TK-5x10 & TK-5x10G Portable Programming (Basic TX/RX check only with factory test freq.s or dealer/customer provided KPG-95D/95DG(N) data file)	93.75	125.00
L-1055	Install KWD-TR20 Trunking Option in TK-5210/5310/5210G/5310G (Must purchase KWD-TR20K separately)	N/C	N/C
L-1067	TK-5210/5310 KWD-TR20 FIELD-UPGRADE (Must purchase KWD-TR20 separately)	31.50	42.00
L-1108	Install KWD-RK20 OTAR Option in TK-5x10 & TK-5x10G Series (Must purchase KWD-RK20 separately)	N/C	N/C
L-1614	TK-5x10 & TK-5x10G Series Portable KCT-57MS Installation (for P25/FleetSync®)	15.00	20.00
L-1733	KWD-RK20 Field Upgrade Option for TK-5x10/5x10G/5410 (Must purchase KWD-RK20 separately)	31.50	42.00
L-1802	Configure TK-5x10-ISCG for CSA US Intrinsically Safe **Must order KNB-41NC I.S. battery.**	75.00	100.00
L-1820	Install KWD-AE30K in TK-5x10 Series Portables (Must purchase module separately)	56.25	75.00
L-1821	Install KWD-AE31K in TK-5x10 Series Portables (Must purchase module separately)	56.25	75.00

TK-5210G / 5310G
VHF/UHF FM Analog & P25 Digital Portable Radios

-- 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:

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.

TK-5220/5320

VHF/UHF FM Analog & P25 Digital Portable Radios

STANDARD

All 5X20 series portables 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,
or purchase Battery, Charger, and Antenna separately.*

** Approved 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 Watt (136-174 MHz)
• 5 Watt (400-470, 450-520, 380-400 MHz)
• 128 Zones / 512 Channels
• Backlit Dot Matrix LCD
• 14 Character Alphanumeric Aliases
• 3-Digit Sub-Display
• Function / Status LCD Icons
• RSSI Indicator
• Transmit / Busy / Call Alert / Warn LED
• On/Off Volume Knob
• 16-Position Selector Knob
• 4 Front Menu-Driven PF Keys
• 2 Side PF Keys
• Orange Emergency / AUX Key
• 12-Keypad Models
• VOX Ready
• Emergency Features
• Battery Level
• Transceiver Password
• Date & 12/24 Hour Time Clock
• Windows® Programming & Tuning
• Windows® Firmware Uploading
• Easy Option Port
• Weather-Sealed Accessory Connector
• MIL-STD-810 C/D/E/F/G
• IP54/55 Water & Dust Protection
• Intrinsically Safe Option **

■ P25 DIGITAL
• P25 Digital Conventional
• AMBE+2™ Enhanced VOCODER
• Talk Group ID Lists
• Individual ID Lists
• Caller ID Display
• Remote Monitor / Check, Radio Inhibit
• Encryption Key Zeroize and Retention
• DES Encryption Options
• AES & DES Encryption Options
• KPG-93 KVL Key Loader Interface Cable
• P25 Digital Trunking Option

■ SCAN TYPES (FM & P25)
• Single Zone/Multi-Zone Scan
• Scan Lists
• Conventional Scan
• Limited Talk Group Scan
• Priority Monitor Scan
• Dual Priority Scan

■ ANALOG
• QT / DQT
• Operator Selectable Tone
• Two-Tone Decode / Encode
• DTMF Encode / Decode / Stun
• Special Alert Tone Patterns
• Companded Audio

■ FleetSync® /II (FM)
• PTT ID Digital ANI
• Caller ID Display
• Status Messaging
• Emergency & Stun Statuses
• Selective & Group Call
• Text Messaging
• Send/Display GPS (KPG-47GPS)

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

RADIO		EPL	LIST
TK-5220K	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	645.00	860.00
TK-5220K2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	682.50	910.00
TK-5320K	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	645.00	860.00
TK-5320K2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	645.00	860.00
TK-5320K3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	682.50	910.00
TK-5320K4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	682.50	910.00
CSA US APPROVED MODELS		**EPL**	**LIST**
	Must Order L-1803 & an Intrinsically Safe Battery per radio		
TK-5220-ISCK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	645.00	860.00
TK-5220-ISCK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	682.50	910.00
TK-5320-ISCK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	645.00	860.00

TK-5220/5320

VHF/UHF FM Analog & P25 Digital Portable Radios

TK-5320-ISCK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	645.00	860.00

TK-5220/5320
VHF/UHF FM Analog & P25 Digital Portable Radios

CSA US APPROVED MODELS		EPL	LIST
Must Order L-1803 & an Intrinsically Safe Battery per radio			
TK-5320-ISCK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	682.50	910.00
TK-5320-ISCK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	682.50	910.00
PACKAGES		**EPL**	**LIST**
TK-5220K-LKP	VHF Li-Ion Battery Package (TK-5220K + KNB-47L + KSC-32 + KBH-11)	776.25	1,035.00
TK-5220K-LHKP	VHF Hi Cap Li-Ion Battery Package (TK-5220K + KNB-48L + KSC-32 + KBH-11)	789.75	1,053.00
TK-5320K-LKP	UHF Li-Ion Battery Package (TK-5320K + KNB-47L + KSC-32 + KBH-11)	776.25	1,035.00
TK-5320K-LHKP	UHF Hi Cap Li-Ion Battery Package (TK-5320K + KNB-48L + KSC-32 + KBH-11)	789.75	1,053.00
TK-5320K2-LKP	UHF Li-Ion Battery Package (TK-5320K2 + KNB-47L + KSC-32 + KBH-11)	776.25	1,035.00
TK-5320K2-LHKP	UHF Hi Cap Li-Ion Battery Package (TK-5320K2 + KNB-48L + KSC-32 + KBH-11)	789.75	1,053.00
ANTENNAS		**EPL**	**LIST**
KRA-22M	VHF low-profile helical antenna 148-162 MHz	10.28	13.70
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	10.28	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.28	13.70
KRA-23M	UHF low-profile helical antenna 450-490 MHz	10.28	13.70
KRA-23M3	UHF low-profile helical antenna 403-430 MHz	10.28	13.70
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	25.69	34.25
KRA-26M	VHF helical antenna 146-162 MHz	10.50	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	10.50	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	10.50	14.00
KRA-27M	UHF whip antenna 440-490 MHz	10.50	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	10.50	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	10.50	14.00
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	31.50	42.00
KRA-29	Broad Band UHF Whip Antenna 380-430 MHz	27.56	36.75
BATTERIES AND CHARGERS		**EPL**	**LIST**
KNB-47L	1950 mAh, Li-ion battery - requires KSC-32/326K charger **[Immersion Option compatible]**	78.75	105.00
KNB-48L	2550 mAh, Li-ion battery - requires KSC-32/326K charger **[Immersion Option compatible]**	91.88	122.50
KNB-50NC	2000 mAh, Ni-MH battery - requires KSC-32/326K charger **[FM & CSA-us Intrinsically Safe Option]**	118.13	157.50
KNB-72LC-CSA-US	1880 mAh, Li-ion battery - requires KSC-32/326K charger **[CSA-us Intrinsically Safe Option]**	157.50	210.00
KBP-7	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included **Note:** the color of the case is orange	51.38	68.50
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).	52.50	70.00
KSC-326K	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	472.50	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.31	33.75
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	143.25	191.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	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	225.00	300.00

TK-5220/5320
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CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	11.03	14.70
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	19.73	26.30
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap	27.56	36.75
	for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)		
KLH-148K	Heavy duty leather carrying case for NX-200/300/TK-5220/5320 (Non DTMF keypad models)	33.19	44.25
KLH-148K2	Heavy duty leather carrying case for NX-200/300/TK-5220/5320 (DTMF keypad models)	33.19	44.25
KLH-149K	Nylon carrying case for NX-200/300/TK-5220/5320 (Non DTMF keypad models)	19.73	26.30
KLH-149K2	Nylon carrying case for NX-200/300/TK-5220/5320 (DTMF keypad models)	19.73	26.30

SPECIAL COLOR HOUSING		EPL	LIST
KWD-YH20-P25	Yellow Housing Kit for TK-5x20 portables (6 Control Keys Version Only)	30.00	40.00
	Order **L-1713** for Factory Install. (required for Intrinsically Safe & IP67 radio orders)		
KWD-OH20-P25	Orange Housing Kit for TK-5x20 portables (6 Control Keys Version Only)	30.00	40.00
	Order **L-1738** for Factory Install. (required for Intrinsically Safe & IP67 radio orders)		

MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-51DM	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic **[see note 2]**	187.50	250.00
KMC-52WDM	MIL-SPEC, **IP67 (Immersion)** DSP Digital Noise-canceling Speaker Mic **[see note 2]** **Important**	225.00	300.00
	Note: Portable radio does not have an IP67 Immersion option; meets MIL STD810 rain standards		
	[note 2]: To adjust microphone settings different from factory default, download KPG-147NC configuration software and special configuration firmware from Kenwood Tools (no charge)		
KMC-47GPSD	GPS Speaker Microphone	217.50	290.00
	(FM Conventional mode only -- does not operate in P25 modes)		
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector	217.50	250.00
	[Intrinsically Safe Approved Accessory]		
	Note: 5/16" Coax cable hex wrench included (antenna is not included).		
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic	72.38	96.50
	[Intrinsically Safe Approved Accessory]		
KMC-42WDM	MIL-SPEC, **IP67 (Immersion)** Noise-canceling Speaker Mic	85.50	114.00
	[Intrinsically Safe Approved Accessory]		
	Important Note: Portable radio does not have an IP67 Immersion option; meets MIL STD810 rain standards		
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics	39.38	52.50
	[Intrinsically Safe Approved Accessory]		
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector)	161.25	215.00
	[Intrinsically Safe Approved Accessory]		
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black)	117.38	156.50
	[Intrinsically Safe Approved Accessory]		
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black)	138.00	184.00
	[Intrinsically Safe Approved Accessory]		
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT	94.50	126.00
	[Intrinsically Safe Approved Accessory]		
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	315.00	420.00
	[Intrinsically Safe Approved Accessory]		
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	276.00	368.00
	[Intrinsically Safe Approved Accessory]		

SOFTWARE OPTIONS		EPL	LIST
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K	393.75	525.00
	Authentication by KPT-300LMC is required		
	Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).		
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).		

TK-5220/5320
VHF/UHF FM Analog & P25 Digital Portable Radios

SOFTWARE OPTIONS, CON'T		EPL	LIST
KWD-TR30	Trunking Option for TK-5220/5320, TK-5720/5820	187.50	250.00
	KWD-TR30 support:1 Trunking Network		
	Must order **L-1694** for factory installation, or **L-1696** for field-upgrade option		
	Note: KPG-112D(N) Ver2.0 or later Requires Network Level License ID to program trunked network radio		
	parameters (see KPG-112D(N) for purchase restrictions & requirements)		

OPTION MODULES		EPL	LIST
KCT-48VU	External Vibration Unit	36.75	49.00
	[Intrinsically Safe Approved Accessory]		
	Note: Audio accessories cannot be used when this option installed.		
	KCT-48VU does not support the P25 digital mode calling or paging features		
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury)	16.50	22.00
	[Intrinsically Safe Approved Accessory]- Must be Kenwood installed for I.S.		
	Order **L-1648** for P25/FleetSync®/MDC-1200 operations		
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key)	637.50	850.00
	Order a Labor Code L-1824 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.		
KWD-AE31K	AES & DES Encryption Module (Multi-Key)	412.50	550.00
	Order a Labor Code L-1825 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.		

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-112DNK	Windows® Programming Software for TK-5*20 Series	77.44	103.25
	(Compliant with FCC Part 90 Narrowbanding)		
KPG-36XM	USB Programming interface cable	118.88	158.50
KPG-93	TK-5210/5310/5410/5220/5320/5400 KVL-3000/3000 Plus/4000 Interface Cable	196.88	262.50

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-1644	TK-5220/5320 Programming (Basic TX/RX check only with factory test freq.s or dealer/customer provided KPG-112D data file)	93.75	125.00
L-1646	Multi-Channel Encoder Modification	18.75	25.00
L-1648	TK-5220/5320 Portable KCT-57MS Installation (for P25/FleetSync®/MDC-1200)	15.00	20.00
L-1694	Install KWD-TR30 Trunking Option in TK-5220/5320	N/C	N/C
	(Must purchase KWD-TR30 separately)		
L-1696	TK-5220/5320 KWD-TR30 FIELD-UPGRADE (Must purchase KWD-TR30 separately)	N/C	N/C
L-1713	Assemble Yellow Housing KWD-YH20-P25 with TK-5X20 Portable	20.25	27.00
L-1738	Assemble Orange Housing KWD-OH20-P25 with TK-5X20 Portable	20.25	27.00
L-1803	Configure TK-5220/5320 for CSA US Intrinsically Safe	52.50	70.00
	Must order KNB-50NC I.S. battery		
L-1824	Install KWD-AE30K in TK-5220/TK-5320 Portables	56.25	75.00
	(Must purchase module separately)		
L-1825	Install KWD-AE31K in TK-5220/TK-5320 Portables	56.25	75.00
	(Must purchase module separately)		

TK-5220/5320
VHF/UHF FM Analog & P25 Digital Portable Radios

-- 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:

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.

TK-5710G / 5810G
VHF/UHF FM & P25 Digital Mobile Radios

All P25 series mobiles include:
• RF Deck Only
(Configuration Set & Assembly Labor Code must be order for a Complete Mobile.)
• Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

G models are Ver 3 Hardware (starting S/No. B03xxxxx)

* TX Power is derated
at 500-520 MHz for TK-5810HBK:

450-499 MHz (100 W)
500-520 MHz (60 W)

STANDARD

■ GENERAL FEATURES
• 50W & 110W (136-174 MHz)
• 45W & 100 W (450-520, 400-470 MHz)
• 100 Zones / 1024 Channels
• Personality Lists
• Enhanced Kenwood Audio
• Zone/CH Voice Announce
• Emergency Features
• Tactical Group
• Intercom
• Public Address
• Time Out Timer
• Busy Channel Lockout
• Ignition Sense
• Timed Power Off
• DB-25 & 9-Pin Accessory Connectors
• Transceiver Password
• Date & 12/24 Hour Time Clock
• Windows® Programming & Tuning
• Windows® Firmware Uploading
• Field-Programming & Tuning
• Cloning
• Easy Option Ports (26-pin)
• DB-25 & 9-Pin Accessory Connectors
• MIL-STD 810 C/D/E/F, IP-54
• MIL-STD Noise-Cancel Mic
• MIL-STD 12-Key DTMF Mic Option

■ MOUNTING CONFIGURATIONS
• Dash Mount
• Single Control Head Remote Mount
• Handheld Control Remote Mount
• Dual Control Head Remote Mount

■ FRONT PANELS/CONTROL HEADS
KCH-14 Front Panel
• 12-Character Alphanumeric Aliases
• 5 PF Keys
• Built-in Front Speaker
KCH-15 Front Panel
• 14-Character Alphanumeric Aliases
• 11 PF Keys
KCH-16M Handheld Control Head
• 14-Character Alphanumeric Aliases
• 9 PF Keys
• 12-Key DTMF/Function Keypad

■ P25 DIGITAL
• P25 Digital Conventional
• P25 Digital Trunking Option
• AMBE+2™ Enhanced VOCODER
• Talk Group ID Lists
• Individual ID Lists
• Caller ID Display
• RSSI Indicator
• Remote Monitor
• Remote Check
• Radio Inhibit
• Encryption Key Delete
• Encryption Key Zeroize Option
• Encryption Key Retention Option
• DES 16-Key SCM Option
• AES FIPS 140-2 & DES 16-Key SCM Option
• KPG-94 KVL Key Loader Interface Cable
• P25 GPS Location
• P25 OTAR Option

■ SCAN TYPES (FM & P25)
• Single Zone/Multi-Zone Scan
• Scan Lists
• Conventional Scan
• Limited Talk Group Scan
• Priority Monitor Scan
• Dual Priority Scan

■ FM
• QT / DQT
• Operator Selectable Tone
• Two-Tone Encode / Decode
• DTMF Encode / Decode / Stun
• Special Alert Tone Patterns
• Horn Alert Output
• Encryption / ANI Board Control
• Companded Audio
• FleetSync® /II PTT ID / Caller ID Display / Emergency
• MDC-1200 PTT ID / Caller ID Display / Emergency

RADIO		EPL	LIST
TK-5710BGK	136-174MHz 10-50W 100 Zones/1024 Channels (R.F. DECK ONLY)	1,117.50	1,490.00
TK-5710HBGK	136-174MHz 50-110W 100 Zones/1024 Channels (R.F. DECK ONLY)	1,545.00	2,060.00
TK-5810BGK	450-520 MHz 5-45W 100 Zones/1024 Channels (R.F. DECK ONLY)	1,117.50	1,490.00
TK-5810BGK2	400-470 MHz 5-45W 100 Zones/1024 Channels (R.F. DECK ONLY)	1,117.50	1,490.00
TK-5810HBGK	450-520 MHz 50-100W 100 Zones/1024 Channels (R.F. DECK ONLY)	1,545.00	2,060.00
TK-5810HBGK2	400-470 MHz 50-100W 100 Zones/1024 Channels (R.F. DECK ONLY)	1,545.00	2,060.00

	TK-5710G / 5810G	Table of Contents
	VHF/UHF FM & P25 Digital Mobile Radios	

ACCESSORY CONFIGURATION SETS   EPL   LIST

CONFIGURATION SET DEFINITIONS

H for High Power (HK type)
M for Mid Power (K type)

B Basic Front Panel (KCH-14M)
F Full-Featured Front Panel (KCH-15M)
C Handheld Control Head (KCH-16M)

D for Dash-Mount
SH for Single Head Remote-Mount
DH for Dual Head Remote-Mount
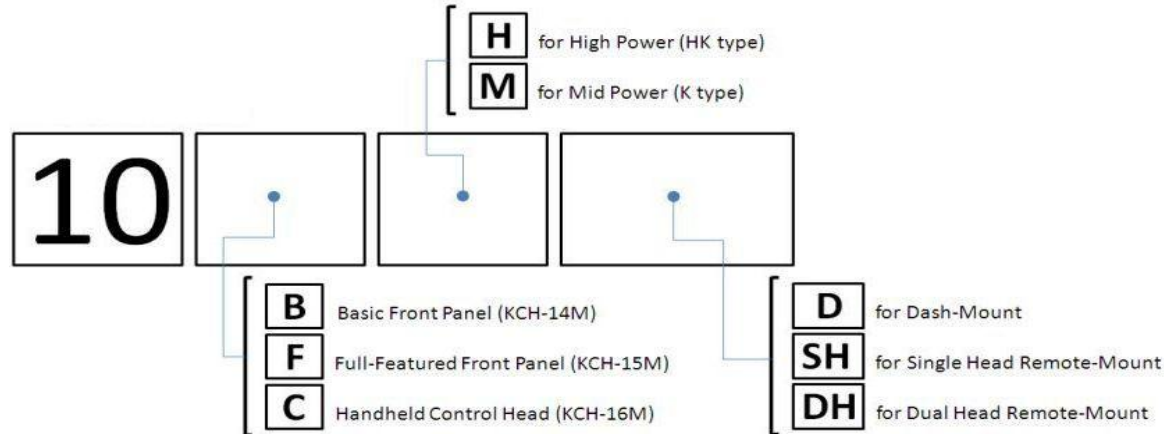
Dash Mount

		EPL	LIST
10BHD	KCH-14M, KCT-23M2, KMB-9, KMC-27	512.63	683.50
10BMD	KCH-14M, KCT-23M, KMB-5, KMC-27	490.13	653.50
10FHD	KCH-15M, KCT-23M2, KMB-9, KMC-27, KES-5	558.56	744.75
10FMD	KCH-15M, KCT-23M, KMB-5, KMC-27, KES-5	536.06	714.75

Single Head Remote Mount

		EPL	LIST
10BHSH	KCH-14M, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27	690.75	921.00
10BMSH	KCH-14M, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27	665.81	887.75
10FHSH	KCH-15M, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27, KES-5	736.69	982.25
10FMSH	KCH-15M, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27, KES-5	711.75	949.00

Dual Head Remote Mount

		EPL	LIST
10BHDH	KCH-14M(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2)	1,288.50	1,718.00
10BMDH	KCH-14M(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2)	1,263.56	1,684.75
10FHDH	KCH-15M(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2), KES-5(x2)	1,380.38	1,840.50
10FMDH	KCH-15M(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2), KES-5(x2)	1,355.44	1,807.25

Handheld Control Head Remote

		EPL	LIST
10CHSH	KCH-16M, KRK-11M, KCT-22M2, KCT-23M4, KMB-9, KES-5	792.56	1,056.75
10CMSH	KCH-16M, KRK-11M, KCT-22M2, KCT-23M3, KMB-9, KES-5	784.69	1,046.25

FRONT PANELS & REMOTE KITS (Order Configuration Sets for full install accessories)   EPL   LIST

		EPL	LIST
KCH-14M	Basic Remote Control Head w/ 12 Alphanumeric Display (4W Front Speaker)	378.00	504.00
	Note: All KCH-14 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enabled. Order L-1008 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker !		
KCH-15M	Full-Featured Remote Control Head w/ 14 Alphanumeric Display	378.00	504.00
	Note: requires an external speaker		
KRK-5	Single Control Head Remote Mount Kit	110.25	147.00
KRK-6DH	Dual Control Head Remote Mount Kit	189.00	252.00

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HANDHELD CONTROL HEAD REMOTE (Order Configuration Sets for full install accessories)		EPL	LIST
KCH-16M	Handheld Control Head for P25 Mobiles	409.50	546.00
	Note: requires KRK-11M, KCT-22M/M2/M3, & KES-5		
KRK-11M	KCH-16M HHCH Interface Kit for Single Head Remote	212.63	283.50

CABLES		EPL	LIST
KCT-18	Ignition sense cable	10.28	13.70
KCT-22M	Control cable - 8 Feet	55.13	73.50
KCT-22M2	Control cable - 17 Feet (Standard accessory config. set cable)	63.00	84.00
KCT-22M3	Control cable - 25 Feet	70.88	94.50
KCT-23M	DC Cable (10-50W Dash mount)	23.63	31.50
KCT-23M2	DC Cable (50-110W Dash mount)	29.06	38.75
KCT-23M3	DC Cable (10-50W Remote mount)	26.06	34.75
KCT-23M4	DC Cable (50-110W Remote mount)	33.94	45.25

MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max)	31.50	42.00
KMB-10	Key Lock Adapter for use with KMB-4/5/6	19.73	26.30
KMB-5	Medium Power Mounting Bracket (10-50W models)	10.50	14.00
KMB-9	Heavy Duty Mounting Bracket with built-in key lock	27.56	36.75

MICROPHONES AND SPEAKERS		EPL	LIST
KES-5	External Speaker (40W max input)	45.94	61.25
KMC-27	MIL-SPEC noise-canceling mobile hand microphone	78.00	104.00
KMC-28	MIL-SPEC DTMF noise-canceling mobile hand microphone	122.25	163.00
KMC-9B	Desk top microphone	72.38	96.50

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-43UM	USB Programming interface cable	118.88	158.50
KPG-94	KVL-3000/3000 Plus/4000 Interface Cable for TK-5x10 & TK-5x10G Mobiles	196.88	262.50
KPG-95DGNK	Windows® Programming Software for TK-5x10 & TK-5x10G Portables & Mobiles (Compliant with FCC Part 90 Narrowbanding) Note: Self-programming function is not available.	471.00	628.00

Analog & P25 Conventional Programming
A "Dealer-Level" License ID is included with each KPG-95D/DG(N)K which only permits full analog conventional and P25 conventional programming. Data files created with a "Network-Level Licensed" KPG-95D/95DG and containing P25 programmed P25 trunked network parameters can be loaded and viewed with a Dealer-Level Licensed KPG-95D/DG(N)K, but the trunked network parameters cannot be changed.

P25 Trunked Programming Capability (licensed by either 1 or 2 below):
1. KPG-95DG(N)K with System Key File (*.SKF)- See L-989
• For all TK-5x10 radio platforms (VER1, 2, 3 or later).
• 3-digit HEX System ID (HSID) and verifiable written authorization required from trunked system operator (SYSOP).
• Purchase KPG-95DG(N)K & L-989 Network-Level License ID
• Kenwood ships an encrypted *.SKF file on CD ROM
• The *.SKF securely embeds/encrypts the 16-digit Network Level License ID & the HSID.
2. KPG-95DG(N)K with Advanced Network Keys (ANK's)
• For TK-5x10G/5410/5910 VER 3 or later radio platforms only.

TK-5710G / 5810G
VHF/UHF FM & P25 Digital Mobile Radios

SERVICE RELATED ACCESSORIES, CON'T		EPL	LIST
KWD-ANK-AK	Access Key for KPG-95DGK P25 trunked programming	156.00	208.00
	Notes:		
	• For TK-5x10G/5410/5910 VER 3 or later radio platforms only		
	• Must be activated by a SYSOP with KWD-ANK-MK Master Key.		
	• Must have KPG-95DG(N)K (V7.0 or later); L-989 is NOT required.		
	• Battery Life: 3 years (non-serviceable; key must be replaced)		
KWD-ANK-MK	Master Key for activating KWD-ANK-AK Access Keys	375.00	500.00
	- Restricted Purchase Requirements -		
	Notes:		
	• For TK-5x10G/5410/5910 VER 3 or later radio platforms only.		
	• Sold to SYSOP or SYSOP authorized entities only		
	• Must have KPG-95DG(N)K (V7.0 or later) with L-989 Network-Level License ID		
	• SYSOP must provide 3-digit HEX HSID to Kenwood.		
	• Purchase KWD-ANK-AK Access Keys if needed.		

FIRMWARE OPTIONS		EPL	LIST
KWD-RK20	OTAR Option for KWD-AE30K Encryption Module in TK-5x10 series (OTAR in P25 Conventional & Trunked Modes)	622.50	830.00
	• Requires KWD-AE30K module.		
	• **L-1108** (for portable) & **L-1109** (for mobile) Installation (no charge)		
	• **L-1733** (for portable) & **L-1734** (for mobile) Field Upgrade Option		
	Note:		
	• Supports OTAR in P25 Conventional & Trunked modes (Not compatible with GK7 64 CH Model)		
	• Compatible with Motorola KMF P25 OTAR (excludes Motorola-proprietary non-TIA/P25 KMF features)		
	• Requires KPG-95D/DG(N) V7.10 or later for radio programming		
	• TK-5x10 VER2: Requires KPG-95D V5.40 or later for radio programming		
	• TK-5410/5910: Requires KPG-95D V6.00 or later for radio programming		
	• TK-5x10G: Requires KPG-95DG(N) for radio programming		
	• TK-5x10 VER2: Option deletes self-programming, cloning and analog FleetSync® (except PTT ID/Emergency) when installed.		
KWD-TR20	Trunking Option for TK-5210/5310/5210G/5310G, TK-5710/5810/5710G/5810G	250.20	334.00
	KWD-TR20 supoort:16 Trunking Network		
	Must order **L-1056** for factory installation, or **L-1068** for field-upgrade option		
	Note: KPG-95D/95DG(N) Requires Network Level License ID to program trunked network radio parameters (see KPG-95D/95DG(N) for purchase restrictions & requirements)		
	Compatible with TK-5210 Version 2 (SN 80600001 or later); TK-5310 (SN 809xxxxx or later); TK-5710 Version 2 (SN806xxxxx); TK-5810 (SN 809xxxxx or later);		

TK-5710G / 5810G
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SOFTWARE OPTIONS		EPL	LIST
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	393.75	525.00
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

OPTION MODULES		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1822 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).	637.50	850.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1823 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)	412.50	550.00

GPS OPTIONS		EPL	LIST
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.	46.50	62.00
GPS15XL-W	Garmin Internal GPS Receiver Board (P25 Conventional) Note: • Provides GPS on P25 Conventional only (TIA-102.BAJB Tier I Location Service compliant; not for use over trunked systems) • Requires GA25MCX GPS antenna	97.69	130.25

INSTALLATION / TUNING CHARGES		EPL	LIST
L-862	Install Front Panel PF Key Label Inserts in TK-5x10, TK-5x10G & TK-x90 series Mobile (key names and positions must be specified)	11.25	15.00
L-864	KCT-22A Extended Control Head Cable (Specify length in 1 ft increments up to 50 ft. max.)	142.50	190.00
L-865	KCT-22A Extended Control Head Cable (Specify length in 1 ft. increments up to 100 ft. max.) **Extended control head cables**: Extended cables result in a loss of control head audio power. On KCH-14 use 13W audio output modifications per service manual Use a standard KCT-22 25 ft. or less cable for firmware installation. Normal KPG-95D radio	183.75	245.00
L-866	Modify KCT-23M2/M4 110W High Power DC Cables from 4 to 2 Conductors (1x23 ft. positive, 1x23 ft. negative; AWG #10) **Two Conductor Modification:** KCT-23M2 75/110W Dash Mount DC Cable (4 Conductor: 2x10 ft. positive, 2x10 ft. negative) KCT-23M4 75/110W Remote Mount DC Cable (4 Conductor: 2x23 ft. positive, 2x23 ft. negative)	56.25	75.00
L-989	KPG-95D/95DG(N) Network Level ID (encrypted data file) Note: Enables Trunked system programming privileges in a KPG-95DG(N)K. - Restricted Purchase Requirements - • 3-Digit HEX System ID (HSID) from SYSOP required • Must Purchase KPG-95DG(N)K (V7.0 or later) with L-989 • Kenwood ships an encrypted *.SKF file on CD ROM • Non-SYSOP entities ordering L-989 must provide verifiable written authorization from SYSOP to receive an *.SKF file. • The 16 digit Network Level License ID & 3 digit HEX HSID are securely generated & embedded in the *.SKF	99.00	132.00
L-1005	TK-5x10 & TK-5x10G Mobile Programming (Basic TX/RX check only with factory test freq.s or dealer/customer provided KPG-95D/95DG(N) data file)	93.75	125.00
L-1006	Modify TK-5x10 & TK-5x10G Mobile for Horn Alert relay output (1 amp max.; relay factory installed already)	18.75	25.00

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INSTALLATION / TUNING CHARGES - CONT'D		EPL	LIST
L-1008	External Speaker modification for TK-5x10 & TK-5x10G mobile Control Head (13W)	7.50	10.00
	Note: All Basic Control Head (KCH-14M) configurations are shipped with the control heads 4W internal speaker enables. Order L-1008 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker!		
L-1028	Package Dash/Single Head Remote for TK-5x10 & TK-5x10G mobiles	12.75	17.00
L-1029	Package Dual Head Remote for TK-5x10 & TK-5x10G mobiles	25.50	34.00
L-1056	Install KWD-TR20 Trunking Option in TK-5710/5810 & TK-5710G/5810G (Must purchase KWD-TR20K separately)	N/C	N/C
L-1068	TK-5710/5810 & TK-5710G/5810G KWD-TR20 FIELD-UPGRADE (Must purchase KWD-TR20 separately)	31.50	42.00
L-1109	Install KWD-RK20 OTAR Option in TK-5x10 & TK-5x10G Mobiles (Must purchase KWD-RK20 separately)	N/C	N/C
L-1110	Package HHCH Remote for TK-5x10 & TK-5x10G mobiles	18.75	25.00
L-1734	KWD-RK20 Field Upgrade Option for TK-5x10/5x10G/5910 (Must purchase KWD-RK20 separately)	31.50	42.00
L-1822	Install KWD-AE30K in TK-5x10 Mobile (Must purchase module separately)	56.25	75.00
L-1823	Install KWD-AE31K in TK-5x10 Mobile (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:

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.

TK-5720 / 5820
VHF/UHF FM Analog & P25 Digital Mobile Radios

All 5X20 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-5320:　450-489 MHz (45 W)
　　　　　490-512 MHz (40 W)

STANDARD

■ GENERAL FEATURES
- 50W (136-174 MHz)
- 45W (400-470, 450-520, 380-400MHz)
- 128 Zones / 512 Channels
- Emergency Features
- Public Address (KAP-2 Required)
- Time Out Timer
- Busy Channel Lockout
- Ignition Sense
- Timed Power Off
- DB-25 & 9-Pin Accessory Connectors
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- Transceiver Password
- Date & 12/24 Hour Time Clock
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Easy Option Ports (26-pin)
- Voice Guide & Storage (option)
- MIL-STD 810 C/D/E/F/G, IP-54
- MIL-STD Mic (included)
- MIL-STD 12-Key DTMF Mic Option

■ FRONT PANELS/CONTROL HEADS
- Dash & Remote Mount
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Function/Status LCD Icons
- RSSI Indicator
- Transmit/Busy/Call Alert/Warn LED
- On/Off Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio

■ P25 DIGITAL
- P25 Digital Conventional
- AMBE+2™ Enhanced VOCODER
- Talk Group ID Lists
- Individual ID Lists
- Caller ID Display
- Remote Monitor / Check, Radio Inhibit
- Encryption Key Zeroize and Retention
- DES Encryption Module Option
- AES & DES Encryption Module Option
- KPG-115 Key Loader Interface Cable
- P25 Digital Trunking Option

■ SCAN TYPES (FM & P25)
- Single Zone/Multi-Zone Scan
- Scan Lists*
- Conventional Scan
- Limited Talk Group Scan*
- Priority Monitor Scan*
- Dual Priority Scan

■ FM
- QT / DQT
- Operator Selectable Tone
- Two-Tone Decode / Encode
- DTMF Encode / Decode / Stun
- Special Alert Tone Patterns
- Companded Audio

■ FleetSync® / II (FM)
- PTT ID Digital ANI
- Caller ID Display
- Status Messaging
- Emergency & Stun Statuses
- Selective & Group Call
- Text Messaging
- Send/Display GPS

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

RADIO		EPL	LIST
TK-5720K	136-174 MHz 50W, 512 CH / 128 Zone	937.50	1,250.00
TK-5820K	450-520 MHz 45W, 512 CH / 128 Zone	937.50	1,250.00
TK-5820K2	400-470 MHz 45W, 512 CH / 128 Zone	937.50	1,250.00

MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KAP-2	Horn Alert/P.A. Relay Option	47.25	63.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	10.28	13.70
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	31.50	42.00
KMB-10	Key lock adapter	19.73	26.30
KRK-10	Remote Control Kit (a remote control cable (23 ft) is included)	78.75	105.00

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KRK-13	Dual Control Head Kit (a control head, remote cables, and KMC-35 microphone included)	719.25	959.00
	Note: some operations have limitations. Please refer to Application Note avlb. on Kenwood Tools.		
	Order: L-1777 if installation is required.		

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VHF/UHF FM Analog & P25 Digital Mobile Radios

MOBILE INSTALLATION ACCESSORIES, CON'T		EPL	LIST
KCT-23M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)	23.63	31.50
KCT-23M3	DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	26.06	34.75

CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.00
KMB-34	Control Station Mounting Case for KPS-15 Power Supplies	36.00	48.00
	(mobile mounting hardware included)		
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00

MICROPHONES AND SPEAKERS		EPL	LIST
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	39.38	52.50
KMC-36	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	70.88	94.50
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug)	31.50	42.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	122.25	163.00
KES-3S	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	33.19	44.25
KES-5	External speaker, 40W max input	45.94	61.25
	Note: requires KAP-2 (PA/HA unit) installed		

SOFTWARE OPTIONS		EPL	LIST
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K	393.75	525.00
	Authentication by KPT-300LMC is required		
	Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).		
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).		
KWD-TR30	Trunking Option for TK-5220/5320, TK-5720/5820	187.50	250.00
	KWD-TR30 support:1 Trunking Network		
	Must order **L-1695** for factory installation, or **L-1697** for field-upgrade option		
	Note: KPG-112D(N) Ver2.0 or later Requires Network Level License ID to program trunked network radio parameters (see KPG-112D(N) for purchase restrictions & requirements)		

OPTION MODULES		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key)	637.50	850.00
	Order a Labor Code L-1826 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).		
KWD-AE31K	AES & DES Encryption Module (Multi-Key)	412.50	550.00
	Order a Labor Code L-1827 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)		

GPS OPTION		EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL	97.69	130.25
	Note:		
	• Provides GPS on Analog Conventional		
	• Requires GA25MCX GPS antenna		
	• Refer to 5720/5820-Series Service Manuals for installation. Refer to www.garmin.com for GPS15XL-W technical specifications.		
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W	46.50	62.00
	Note: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.		

TK-5720 / 5820
VHF/UHF FM Analog & P25 Digital Mobile Radios

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-46XM	USB Programming interface cable	118.88	158.50
KPG-112DNK	Windows® Programming Software for TK-5*20 Series (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-115	Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	196.88	262.50

INSTALLATION / TUNING CHARGES		EPL	LIST
L-1652	TK-5720/5820 Programming (Basic TX/RX check only with factory test freq.s or dealer/customer provided KPG-112D(N) data file)	93.75	125.00
L-1653	TK-5720/5820 Install KAP-2 (Default) HR1/Internal Sp./PA	18.75	25.00
L-1654	TK-5720/5820 Install KAP-2 HR1/External Sp./PA	18.75	25.00
L-1655	Install Garmin GPS15XL-W in TK-5720/5820 mobiles for FleetSync® AVL	75.00	100.00
L-1656	Assemble TK-5720/5820 with KRK-10 Remote Kit	31.50	42.00
L-1695	Install KWD-TR30 Trunking Option in TK-5720/5820 (Must purchase KWD-TR30 separately)	N/C	N/C
L-1697	TK-5720/5820 KWD-TR30 FIELD-UPGRADE (Must purchase KWD-TR30 separately)	N/C	N/C
L-1698	KPG-112D(N) Network Level ID (encrypted data file)	99.00	132.00
	Note: Enables Trunking system programming privileges; See KPG-112D(N) Network Level ID (Trunking System Privileges)		
	- Restricted Purchase Requirements -		
	L-1698- KPG-112D(N) Network Level ID (Trunking System Privileges)		
	The KPG-112D(N) only ships with a "Dealer Level License ID" which permits Conventional FM and P25 Conventional radio programming privileges only. For radios with the P25 Trunking option installed, trunked/network programming privileges require a "Network Level License ID" generally reserved ONLY for the system owner or the system owners authorized operators/service centers. Purchasing the KPG-112D(N) Network Level License ID will require 1) Written verifiable authorization from the systems owner/operator. 2) The 3-digit hexadecimal P25 System ID from the system owner/operator. 3) Purchase of a L-1698 : KPG-112D(N) Network Level ID option. This option will include an encrypted KPG-112D(N) "System Key Data File" containing the 16-digit Network Level		
L-1777	Assemble TK-5720/5820 with KRK-13 Dual Remote Kit	31.50	42.00
L-1826	Install KWD-AE30K in TK-5720/5820 Mobile (Must purchase module separately)	56.25	75.00
L-1827	Install KWD-AE31K in TK-5720/5820 Mobile (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, 'NX-5200・5300'!A204+'NX-5200・5300'!B206 representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

* Business/Agency Name:

* Address:

TK-5720 / 5820
VHF/UHF FM Analog & P25 Digital Mobile Radios

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.

TK-5910
700/800 MHz FM Analog & P25 Digital Mobile Radio

STANDARD

5910 series mobile includes:
• RF Deck Only
(Configuration Set & Assembly Labor Code must be order for a Complete Mobile.)
• Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

■ GENERAL FEATURES
• 30W (763-806 MHz)
• 35W (806-870 MHz)
• 100 Zones / 1024 Channels
• Personality Lists
• Zone/CH Voice Announce
• Emergency Features
• Intercom
• Public Address
• Time Out Timer
• Busy Channel Lockout
• Ignition Sense
• Timed Power Off
• DB-25 & 9-Pin Accessory Connectors
• Transceiver Password
• Date & 12/24 Hour Time Clock
• Windows® Programming & Tuning
• Windows® Firmware Uploading
• Field-Programming & Tuning
• MIL-STD 810 C/D/E/F/G, IP-54
• MIL-STD Noise-Cancel Mic (included)
• MIL-STD 12-Key DTMF Mic Option

■ MOUNTING CONFIGURATIONS
• Dash Mount
• Single Control Head Remote Mount
• Handheld Control Remote Mount
• Dual Control Head Remote Mount

■ FRONT PANELS/CONTROL HEADS
• Backlit Dot Matrix LCD
• 3-Digit Sub-Display
• Transmit LED
• Busy/Call Alert/Warn LED
• LCD Brightness Control
• Backlit Keys
• MIL-STD 810 512.X Driven Rain

KCH-14 Front Panel
• 12-Character Alphanumeric Aliases
• 5 PF & UP/DOWN Keys
• PF Key Label Inserts
• Built-in Front Speaker
KCH-15 Front Panel
• 14-Character Alphanumeric Aliases
• 11 PF Keys & UP/DOWN Keys
• PF Key Label Inserts
• External Speaker Required
KHC-16 Handheld Control Head
• 14-Character Alphanumeric Aliases
• 5 PF Keys & UP/DOWN/LEFT/RIGHT Keys
• Front PF Keys Name Display
• 12-Key DTMF/Function Keypad
• External Speaker Required

■ P25 DIGITAL
• P25 Digital Conventional
• P25 Digital Trunking
• AMBE+2™ Enhanced VOCODER
• Talk Group ID Lists
• Individual ID Lists
• Caller ID Display
• RSSI Indicator
• Remote Monitor / Check, Radio Inhibit
• Encryption Key Zeroize & Retention
• DES Encryption Module Option
• AES & DES Encryption Module Option
• KPG-94 KVL Device Key Loader Cable
• P25 GPS Location
• P25 OTAR Option

■ SCAN TYPES (FM & P25)
• Single Zone/Multi-Zone Scan
• Scan Lists
• Conventional Scan
• Limited Talk **Group** Scan
• Priority Monitor Scan
• Dual Priority Scan

■ FM
• QT / DQT
• Operator Selectable Tone
• DTMF Encode
• Horn Alert Output
• Companded Audio
• NPSPAC Channels

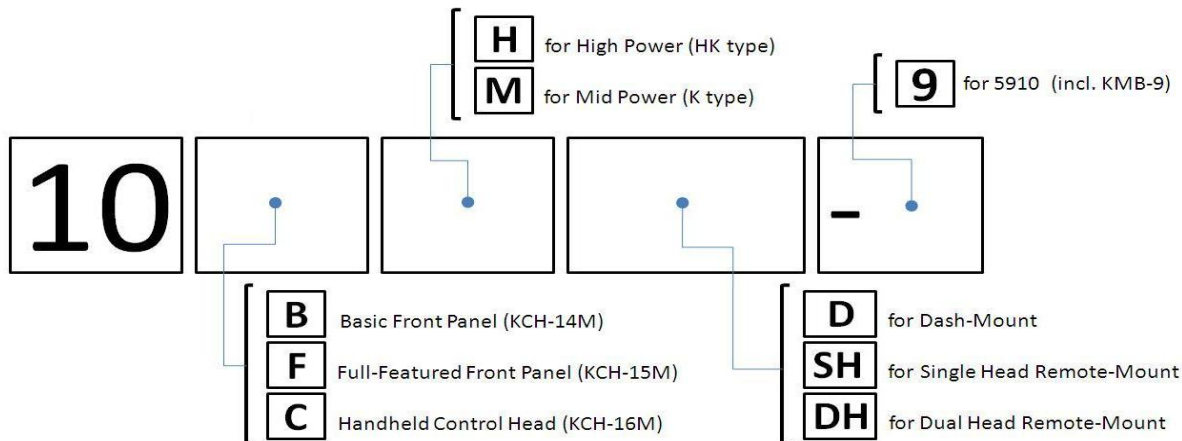| RADIO		EPL	LIST
TK-5910BK	700/800 MHz 2-30/35W 100 Zones/1024 Channels (R.F. DECK ONLY)	1,305.00	1,740.00

TK-5910
700/800 MHz FM Analog & P25 Digital Mobile Radio

ACCESSORY CONFIGURATION SETS

CONFIGURATION SET DEFINITIONS

| H | for High Power (HK type) |
| M | for Mid Power (K type) |

| 9 | for 5910 (incl. KMB-9) |

B	Basic Front Panel (KCH-14M)
F	Full-Featured Front Panel (KCH-15M)
C	Handheld Control Head (KCH-16M)

D	for Dash-Mount
SH	for Single Head Remote-Mount
DH	for Dual Head Remote-Mount

Dash Mount		**EPL**	**LIST**
10BMD-9	KCH-14M, KCT-23M, KMB-9, KMC-27	507.19	676.25
10FMD-9	KCH-15M, KCT-23M, KMB-9, KMC-27, KES-5	553.13	737.50
Single Head Remote Mount		**EPL**	**LIST**
10BMSH-9	KCH-14M, KRK-5, KCT-22M2, KCT-23M3, KMB-9, KMC-27	682.88	910.50
10FMSH-9	KCH-15M, KRK-5, KCT-22M2, KCT-23M3, KMB-9, KMC-27, KES-5	728.44	971.75
Dual Head Remote Mount		**EPL**	**LIST**
10BMDH-9	KCH-14M(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-9, KMC-27(x2)	1,280.63	1,707.50
10FMDH-9	KCH-15M(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-9, KMC-27(x2), KES-5(x2)	1,372.50	1,830.00
Handheld Control Head Remote		**EPL**	**LIST**
10CMSH	KCH-16M, KRK-11M, KCT-22M2, KCT-23M3, KMB-9, KES-5	784.88	1,046.25

FRONT PANELS & REMOTE KITS (Order Configuration Sets for full install accessories)		**EPL**	**LIST**
KCH-14M	Basic Remote Control Head w/ 12 Alphanumeric Display (4W Front Speaker)	378.00	504.00
	Note: All KCH-14 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enabled. Order L-1008 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker.		
KCH-15M	Full-Featured Remote Control Head w/ 14 Alphanumeric Display	378.00	504.00
	Note: requires an external speaker		
KRK-5	Single Control Head Remote Mount Kit	110.25	147.00
KRK-6DH	Dual Control Head Remote Mount Kit	189.00	252.00

HANDHELD CONTROL HEAD REMOTE (Order Configuration Sets for full install accessories)		**EPL**	**LIST**
KCH-16M	Handheld Control Head for P25 Mobiles	409.50	546.00
	Note: requires KRK-11M, KCT-22M/M2/M3, & KES-5		
KRK-11M	KCH-16M HHCH Interface Kit for Single Head Remote	212.63	283.50

CABLES		**EPL**	**LIST**
KCT-18	Ignition sense cable	10.28	13.70
KCT-22M	Control cable - 8 Feet	54.75	73.50
KCT-22M2	Control cable - 17 Feet (Standard accessory config. set cable)	63.00	84.00
KCT-22M3	Control cable - 25 Feet	70.88	94.50

TK-5910
700/800 MHz FM Analog & P25 Digital Mobile Radio

CABLES, CON'T		EPL	LIST
KCT-23M	DC Cable (Dash mount)	23.63	31.50
KCT-23M3	DC Cable (Remote mount)	26.06	34.75

MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max)	31.50	42.00
KMB-9	Heavy Duty Mounting Bracket with built-in key lock	27.56	36.75

MICROPHONES AND SPEAKERS		EPL	LIST
KES-5	External Speaker (40W max input)	45.94	61.25
KMC-27	MIL-SPEC noise-canceling mobile hand microphone	78.00	104.00
KMC-28	MIL-SPEC DTMF noise-canceling mobile hand microphone	122.25	163.00
KMC-9B	Desk top microphone	72.38	96.50

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-95DGK	Windows® Programming Software for TK-5x10 & TK-5x10G Portables & Mobiles	471.00	628.00

(Compliant with FCC Part 90 Narrowbanding)

Note: Self-programming function is not available.

Analog & P25 Conventional Programming

A "Dealer-Level" License ID is included with each KPG-95D/DG(N)K which only permits full analog conventional and P25 conventional programming. Data files created with a "Network-Level Licensed" KPG-95D/95DG(N) and containing P25 programmed P25 trunked network parameters can be loaded and viewed with a Dealer-Level Licensed KPG-95D/DG(N)K, but the trunked network parameters cannot be changed.

P25 Trunked Programming Capability (licensed by either 1 or 2 below):
1. KPG-95DG(N)K with System Key File (*.SKF)- See L-989
• For all TK-5x10 radio platforms (VER1, 2, 3 or later).
• 3-digit HEX System ID (HSID) and verifiable written authorization required from trunked system operator (SYSOP).
• Purchase KPG-95DG(N)K & L-989 Network-Level License ID
• Kenwood ships an encrypted *.SKF file on CD ROM
• The *.SKF securely embeds/encrypts the 16-digit Network Level License ID & the HSID.
2. KPG-95DG(N)K with Advanced Network Keys (ANK's)
• For TK-5x10G/5410/5910 VER 3 or later radio platforms only.

KWD-ANK-MK	Master Key for activating KWD-ANK-AK Access Keys	375.00	500.00

- Restricted Purchase Requirements -
Notes:
• For TK-5x10G/5410/5910 VER 3 or later radio platforms only.
• Sold to SYSOP or SYSOP authorized entities only
• Must have KPG-95DG(N)K (V7.0 or later) with L-989 Network-Level License ID
• SYSOP must provide 3-digit HEX HSID to Kenwood.
• Purchase KWD-ANK-AK Access Keys if needed.

KWD-ANK-AK	Access Key for KPG-95DG(N)K P25 trunked programming	156.00	208.00

Notes:
• For TK-5x10G/5410/5910 VER 3 or later radio platforms only
• Must be activated by a SYSOP with KWD-ANK-MK Master Key.
• Must have KPG-95DG(N)K (V7.0 or later); L-989 is NOT required.

KPG-43UM	USB Programming interface cable	118.88	158.50
KPG-94	Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	196.88	262.50

TK-5910
700/800 MHz FM Analog & P25 Digital Mobile Radio

FIRMWARE OPTIONS		EPL	LIST
KWD-RK20	OTAR Option for KWD-AE30K Encryption Module in TK-5x10 series (OTAR in P25 Conventional & Trunked Modes) • **Requires KWD-AE30K module.** • **L-1108** (for portable) & **L-1109** (for mobile) Installation (no charge) • **L-1733** (for portable) & **L-1734** (for mobile) Field Upgrade Option **Note:** • Supports OTAR in P25 Conventional & Trunked modes (Not compatible with GK7 64 CH Model) • Compatible with Motorola KMF P25 OTAR (excludes Motorola-proprietary non-TIA/P25 KMF features) • Requires KPG-95D/DG(N) V7.10 or later for radio programming • TK-5x10 VER2: Requires KPG-95D V5.40 or later for radio programming • TK-5410/5910: Requires KPG-95D V6.00 or later for radio programming • TK-5x10G: Requires KPG-95DG(N) for radio programming • TK-5x10 VER2: Option deletes self-programming, cloning and analog FleetSync® (except PTT ID/Emergency) when installed.	622.50	830.00

SOFTWARE OPTIONS		EPL	LIST
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	393.75	525.00
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

OPTION MODULES		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1822 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).	637.50	850.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1823 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)	412.50	550.00
L-862	Install Front Panel PF Key Label Inserts in TK-5*10/90-series Mobile (key names and positions must be specified)	11.25	15.00
L-864	KCT-22A Extended Control Head Cable (Specify length in 1 ft increments up to 50 ft. max.)	142.50	190.00
L-865	KCT-22A Extended Control Head Cable (Specify length in 1 ft. increments up to 100 ft. max.) **Extended control head cables**: Extended cables result in a loss of control head audio power. On KCH-14 use 13W audio output modifications per service manual Use a standard KCT-22 25 ft. or less cable for firmware installation. Normal KPG-95D radio	183.75	245.00

TK-5910
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Item	Description	EPL	LIST
L-989	KPG-95D/95DG(N) Network Level ID (encrypted data file)	99.00	132.00
	Note: Enables Trunked system programming privileges in a KPG-95DG(N)K.		
	- Restricted Purchase Requirements -		
	• 3-Digit HEX System ID (HSID) from SYSOP required		
	• Must Purchase KPG-95DG(N)K (V7.0 or later) with L-989		
	• Kenwood ships an encrypted *.SKF file on CD ROM		
	• Non-SYSOP entities ordering L-989 must provide verifiable written authorization from SYSOP to receive an *.SKF file.		
	• The 16-digit Network Level License ID & 3-digit HEX HSID are securely encrypted & embedded in the *.SKF file.		
L-1005	TK-5*10 Programming	93.75	125.00
	(Basic TX/RX check only with factory test freq.s or dealer/customer provided KPG-95D/DG(N) data file)		
L-1008	External Speaker modification for TK-5*10 mobile Control Head (13W)	7.50	10.00
	Note: All Basic Control Head (KCH-14M) configurations are shipped with the control heads 4W internal speaker enables. Order L-1008 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker!		
L-1028	Package Dash/Single Head Remote for 5*10 mobiles	12.75	17.00
L-1029	Package Dual Head Remote for 5*10 mobiles	25.50	34.00
L-1110	Package HHCH Remote for 5*10 mobiles	18.75	25.00
INSTALLATION / TUNING CHARGES, CON'T		*EPL*	*LIST*
L-1734	KWD-RK20 Field Upgrade Option for TK-5x10/5x10G/5910	31.50	42.00
	(Must purchase KWD-RK20 separately)		
L-1822	Install KWD-AE30K in TK-5x10 Mobile	56.25	75.00
	(Must purchase module separately)		
L-1823	Install KWD-AE31K in TK-5x10 Mobile	56.25	75.00
	(Must purchase module separately)		

-- IMPORTANT NOTES --

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

* Business/Agency Name:

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

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