



Mississippi EPL 3744 Price Pages



LAND MOBILE RADIO PRICE GUIDE

December 2017 Edition



TABLE OF CONTENTS:**PORTABLES**[NX-5200 / 5300](#)[NX-5400](#)[NX-3200/ 3300](#)[NX-3220 / 3320](#)[NX-200G / 300G](#)[NX-210G](#)[NX-240V / 340U](#)[NX-410 / 411](#)[NX-420](#)[TK-D240V / 340U](#)[TK-190](#)[TK-2170 / 3170](#)[TK-3173](#)[TK-2360 / 3360](#)[TK-2312 / 3312](#)[TK-2400 / 3400](#)[TK-2400VP / 3400UP](#)[TK-2402V / 3402U](#)[TK-3230DX](#)[PKT-23](#)**MOBILES**[NX-5700 / 5800 / 5900](#)[NX-3720HG / 3820HG](#)[TK-690 / 790 / 890](#)[NX-700 / 800](#)[NX-740HV / 840HU](#)[NX-900 / 901](#)[NX-920G](#)[TK-D740HV / 840HU](#)[TK-7180 / 8180](#)[TK-7360HV / 8360HU](#)[TK-7302HV / 8302HU](#)[TK-6110](#)

Radio Series		Programming Cost	Installation Cost
PORTABLES			
NX-5200/5300		\$75.00	N/A
NX-5400		\$75.00	N/A
NX-3220/3320		\$50.00	N/A
NX-200G/300G		\$75.00	N/A
NX-210G		\$75.00	N/A
NX-3220/3320		\$50.00	N/A
NX-240V/340U		\$50.00	N/A
NX-410/411		\$50.00	N/A
NX-420		\$50.00	N/A
TK-D240V/D340U		\$50.00	N/A
TK-190		\$50.00	N/A
TK-2170/3170		\$50.00	N/A
TK-3173		\$50.00	N/A
TK-2360/3360		\$50.00	N/A
TK-2312/3312		\$50.00	N/A
TK-2400/3400		\$25.00	N/A
TK-2400VP/3400UP		\$25.00	N/A
TK-2402V/3402U		\$25.00	N/A
TK-3230DX		\$25.00	N/A
PKT-23		\$25.00	N/A
MOBILES			
NX-5700/5800/5900	Single Band/Dash Mount	\$75.00	\$75.00
NX-5700/5800/5900	Single Band/Single Head Remote	\$75.00	\$125.00
NX-5700/5800/5900	Single Band/Dual Head Remote	\$75.00	\$175.00
NX-5700/5800/5900	Dual Deck/Single Head Single Speaker Remote	\$125.00	\$200.00
NX-5700/5800/5900	Dual Deck/Single Head Dual Speaker Remote	\$125.00	\$200.00
NX-5700/5800/5900	Dual Deck/Dual Head Single Speaker Remote	\$125.00	\$225.00
NX-5700/5800/5900	Dual Deck/Dual Head Dual Speaker Remote	\$125.00	\$225.00
NX-5700/5800/5900	Triple Deck/Single Head Single Speaker Remote	\$175.00	\$250.00
NX-5700/5800/5900	Triple Deck/Single Head Triple Speaker Remote	\$175.00	\$250.00
NX-5700/5800/5900	Triple Deck/Dual Head Single Speaker Remote	\$175.00	\$250.00
NX-5700/5800/5900	Triple Deck/Dual Head Triple Speaker Remote	\$175.00	\$275.00
TK-690/790/890	Dash Mount	\$75.00	\$75.00
TK-690/790/890	Single Band Single Head Remote	\$75.00	\$125.00
TK-690/790/890	Single Band Dual Head Remote	\$75.00	\$175.00
TK-690/790/890	Dual Band Single Head Remote	\$125.00	\$225.00
TK-690/790/890	Dual Band Dual Head Remote	\$125.00	\$250.00
NX-700/800	Dash Mount	\$75.00	\$75.00
NX-700/800	Remote Mount	\$75.00	\$125.00
NX-372HG/3820HG	Dash Mount	\$75.00	\$75.00
NX-740HV/840HU	Dash Mount	\$75.00	\$75.00
NX-900/901	Dash Mount	\$75.00	\$75.00
NX-920G	Dash Mount	\$75.00	\$75.00
TK--D740HV/840HU	Dash Mount	\$75.00	\$75.00
TK-7180/8180	Dash Mount	\$75.00	\$75.00

TK-7180/8180	Remote Mount	\$75.00	\$125.00
TK-7360HV/8360HU	Dash Mount	\$75.00	\$75.00
TK-7302HV/8302HU	Dash Mount	\$50.00	\$75.00
TK-6110	Dash Mount	\$50.00	\$75.00



NX-5200/5300

[Table of Contents](#)

VHF/UHF Digital & FM Analog Portable Radios



<Standard Key Model >

<Full Key Model >

All NX-5000 series portables include:

- Belt Clip (KBH-11)
- Universal Connector Cap
- User Guide
- Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

***Note:** 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 $\pm 10\text{kHz}$ ranges) are not allowed;

- | | | |
|------------|------------|------------|
| • 144.0000 | • 384.0000 | • 460.8000 |
| • 147.4560 | • 403.2000 | • 480.0000 |
| • 153.6000 | • 422.4000 | • 499.2000 |
| • 172.0325 | • 432.0000 | • 518.4000 |
| • 172.8000 | • 441.6000 | |

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

Note: Environmental conditions are less than 32°F (0°C), KENWOOD carrying cases must be used.

STANDARD

■ GENERAL FEATURES

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

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

■ DIGITAL – NXDN® MODE

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

■ DIGITAL – DMR MODE

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

■ ANALOG MODE

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

OPTIONAL

■ GENERAL FEATURES

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

■ DIGITAL – P25 MODE

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

■ DIGITAL – DMR MODE

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



NX-5200/5300

[Table of Contents](#)

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
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/7/8.1/10)			
	Note: Requires KPT-300LMC for authentication			
	P25 Trunked Programming Capability (licensed by either 1 or 2 below):			
	1. USB Key Type: Advanced System Key (ASK)- See KWD-ASK-MK and AK			
	• For NX-5000 series radios.			
	• KWD-ASK-MK (Master Key): For trunked system operator (SYSOP). Required for activating KWD-ASK-AK Access keys. Securely embeds/encrypts the HSID.			
	• KWD-ASK-AK (Access Key): For Dealers/contractors. Activated by KWD-ASK-MK Master Key.			
	• KPG-D1NK supports up to 16 KWD-ASK-AK Access Keys (16 trunked networks).			
	2. Software Key Type: System Key File (SKF)- See L-5005			
	• For NX-5000 series radios.			
	• 3-digit HEX System ID (HSID) with verifiable written authorization required from SYSOP.			
	• Utilized by both SYSOPs and Dealers/Contractors. But Dealers/Contractors must be permitted from SYSOP to order and use SKF.			
	• Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools.			
	• The *.SKF securely embeds/encrypts the HSID.			
OVER THE AIR PROGRAMMING (OTAP)			EPL	LIST
KPG-180AP	OTAP Manager Software (Windows® Vista/7/8.1/10)		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.			



NX-5200/5300

[Table of Contents](#)

VHF/UHF Digital & FM Analog Portable Radios

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

-- IMPORTANT NOTES--

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

BATTERY READER

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: <i>Requires KPT-300LMC for authentication.</i>	63.75	85.00
SOFTWARE UPGRADE LICENSES FOR KAS-12		EPL	LIST
Note: Upgrade License attaches to one computer running KAS-12 software. All additional licenses require KPT-300LMC for authentication.			
	Add Battery management with Database Must require KAS-12K Battery Reader Software to upgrade	262.50	350.00

KAS-12PRO

Note:

- A Windows® PC may be required as a Database Server which KAS-12DU (Free) software is installed.
- Requires KPT-300LMC for authentication.

Offline Authentication Option

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: - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	30.00	40.00
P25 Radio Features		EPL	LIST

KWD-5100CV	License Key for P25 Conventional	431.25	575.00
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV)	390.00	520.00
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	300.00	400.00
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	525.00	700.00
KWD-5105VT	License Key for P25 Conventional Voting Scan	90.00	120.00



NX-5200/5300

[Table of Contents](#)

VHF/UHF Digital & FM Analog Portable Radios

KWD-5106DT	License Key for P25 Trunking OTAR/GPS Data	135.00	180.00
Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.			
DMR Radio Features		EPL	LIST
KWD-5300CV	License Key for DMR Tier II Conventional	45.00	60.00
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption	N/C	N/C
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
ANTENNAS CON'T		EPL	LIST
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-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	150.00	200.00
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]			
KBP-8M	AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included.	79.50	106.00
Note: The color of the case is International Orange.			
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



NX-5200/5300

[Table of Contents](#)

VHF/UHF Digital & FM Analog Portable Radios

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.) <i>Note: If you order only housing and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.</i>	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.) <i>Note: If you order only housing and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.</i>	30.00	40.00
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-54WDM	MIL-SPEC, IP67 (Immersion) Speaker Mic Compatible with ANR Feature <i>Note:</i> only compatible with a NX-5000 series portable <i>[Intrinsically Safe Option]</i>	97.50	130.00
MICROPHONES & AUDIO ACCESSORIES CONT		EPL	LIST
KMC-42WDM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic <i>[Intrinsically Safe Option]</i>	85.50	114.00
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector <i>Note:</i> 5/16" Coax cable hex wrench included (antenna is not included). <i>[Intrinsically Safe Option]</i>	187.50	250.00
KEP-1	3.5mm earphone kit for KMC-41/42W/54W Speaker Mics <i>[Intrinsically Safe Option]</i>	39.38	52.50
KEP-2	2.5mm earphone kit for KMC-49 Speaker Mic <i>[Intrinsically Safe Option]</i>	39.38	52.50
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) <i>[Intrinsically Safe Option]</i>	161.25	215.00
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) <i>[Intrinsically Safe Option]</i>	117.38	156.50
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) <i>Note:</i> NOT compatible with TDMA operations <i>[Intrinsically Safe Option]</i>	138.00	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT <i>Note:</i> NOT compatible with TDMA operations <i>[Intrinsically Safe Option]</i>	94.50	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT <i>Note:</i> NOT compatible with TDMA operations <i>[Intrinsically Safe Option]</i>	315.00	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT <i>Note:</i> NOT compatible with TDMA operations <i>[Intrinsically Safe Option]</i>	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. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.) KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1).	637.50	850.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-5004 if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.) <i>Note:</i> 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 <i>Note:</i> Audio accessories cannot be used when this option installed. KCT-48VU does not support the P25 digital mode calling or paging features <i>[Intrinsically Safe Option]</i>	52.50	70.00



NX-5200/5300

[Table of Contents](#)

VHF/UHF Digital & FM Analog Portable Radios

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 used for SD Card Direct Access.	118.88	158.50
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.	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.	90.00	120.00
L-5002	KPT-300LMC Software License Activation for the Radio Feature Activation Tool 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) 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.	99.00	132.00
L-5024	Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	20.25	27.00
L-5025	Assemble Orange Housing KWD-OH-5000 with NX-5000 series Portable	20.25	27.00
L-5039	Configure NX-5200/5300/5400 for CSA US Intrinsically Safe Must order KNB-LS5M I.S. battery	52.50	70.00
-- IMPORTANT NOTES regarding ENCRYPTION MODULES--			



NX-5200/5300

VHF/UHF Digital & FM Analog Portable Radios

[Table of Contents](#)

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.



NX-5400

[Table of Contents](#)

700/800MHz Digital & FM Analog Portable Radio



<Standard Key Model > <Full Key Model >

All NX-5400 series portables include:

- Belt Clip (KBH-11)
- Universal Connector Cap
- User Guide
- Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

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

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

- 864.000

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

Note: Environmental conditions are less than 32°F (0°C), KENWOOD carrying cases must be used.

STANDARD

■ GENERAL FEATURES

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

■ ANALOG MODE

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

OPTIONAL

■ GENERAL FEATURES

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

■ DIGITAL – P25 MODE

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

■ DIGITAL – DMR MODE

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



NX-5400

[Table of Contents](#)

700/800MHz Digital & FM Analog Portable Radio

RADIO		EPL	LIST
NX-5400K2	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Standard Key Model	618.75	825.00
RADIO, CON'T		EPL	LIST
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 <i>*Note microSD card is not allowed to use as Intrinsically Safe Option.</i>			
NX-5400-ISCK2	700 / 800 MHz, 3.0 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking Standard Key Model	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
FIELD PROGRAMMING UNIT (FPU)		EPL	LIST
KPG-D1NK	License Key for KPG-D1NK Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1) <i>Note: Requires KPT-300LMC for authentication</i>	116.25	155.00
P25 Trunked Programming Capability (licensed by either 1 or 2 below): 1. USB Key Type: Advanced System Key (ASK)- See KWD-ASK-MK and AK <ul style="list-style-type: none"> For NX-5000 series radios. KWD-ASK-MK (Master Key): For trunked system operator (SYSOP). Required for activating KWD-ASK-AK Access keys. Securely embeds/encrypts the HSID. KWD-ASK-AK (Access Key): For 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 <ul style="list-style-type: none"> For NX-5000 series radios. 3-digit HEX System ID (HSID) with verifiable written authorization required from SYSOP. Utilized by both SYSOPs and Dealers/Contractors. But Dealers/Contractors must be permitted from SYSOP to order and use SKF. Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. The *.SKF securely embeds/encrypts the HSID. 			
OVER THE AIR PROGRAMMING (OTAP)		EPL	LIST
KPG-180AP	OTAP Manager Software (Windows® Vista/7/8/8.1/10) • License includes Fifty (50) radios / One(1) NXDN Conventional and Type-C Air Communication Profile and One(1) NXDN Conventional and Type-C IP Communication Profile <i>Note:</i> - Requires KPT-300LMC for authentication - Radio to Radio OTAP for <u>P25 Conventional system</u> requires <u>KWD-AP3-P25</u> license.	663.00	884.00
SOFTWARE UPGRADE LICENSES FOR KPG-180AP			
<i>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.</i>			
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



NX-5400

[Table of Contents](#)

700/800MHz Digital & FM Analog Portable Radio

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
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-- 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.

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.		350.00
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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.	26.25	35.00
KWD-5007RC	License Key for Remote Control by Subscriber Units Note: - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control. - PC command for Remote Control does NOT require the license.	30.00	40.00

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

DMR Radio Features		EPL	LIST
KWD-5300CV	License Key for DMR Tier II Conventional	45.00	60.00
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption	32.81	43.75

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

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



NX-5400

700/800MHz Digital & FM Analog Portable Radio

[Table of Contents](#)

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	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
BATTERIES AND CHARGERS CONT		EPL	LIST
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	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	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
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



NX-5400

[Table of Contents](#)

700/800MHz Digital & FM Analog Portable Radio

KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT Note: NOT compatible with TDMA operations Intrinsically Safe Option1	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 Option1	276.00	368.00
ENCRIPTION & OPTION MODULES		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-5003 if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.) KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1).	637.50	850.00
ENCRIPTION & OPTION MODULES CON'T		EPL	LIST
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-5004 if installation is required. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood. If you order only a Module and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.) Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1).	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	52.50	70.00
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.1)	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
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 Confusable identification period of KWD-ASK-AK and KWD-ASK-MK is available for a 30 second interval 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 Form	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-300LMC's History Menu will not display the Radio Features activated by Factory.	90.00	120.00
L-5002	NX-5200/5300/5400 Programming (with basic TX/RX check)	28.13	37.50



NX-5400

700/800MHz Digital & FM Analog Portable Radio

[Table of Contents](#)

L-5003	Install KWD-AE30K in NX-5000 series Portable (Must purchase module separately)	56.25	75.00
L-5004	Install KWD-AE31K in NX-5000 series Portable (Must purchase module separately)	56.25	75.00
L-5005	KPG-D1NK System Key File (SKF) Note: Enables P25 Trunked system programming privileges in a KPG-D1NK. - Restricted Purchase Requirements - • Trunked system operator (SYSOP) must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Must have KPG-D1NK. • Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. <i>Non-SYSOP station operators must provide a follow-up authorization form to Kenwood.</i>	99.00	132.00
L-5024	Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	20.25	27.00
L-5025	Assemble Orange Housing KWD-OH-5000 with NX-5000 series Portable	20.25	27.00
L-5039	Configure NX-5200/5300/5400 for CSA US Intrinsically Safe Must order KNB-LS5M I.S. battery	52.50	70.00

-- IMPORTANT NOTES regarding ENCRYPTION MODULES--

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

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

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

* Business/Agency Name:

* Address:

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.



NX-5700/5800/5900

[Table of Contents](#)

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



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

STANDARD

■ GENERAL FEATURES

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

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

■ DIGITAL – DMR MODE

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

■ ANALOG MODE

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

OPTIONAL

■ GENERAL FEATURES

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

■ 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.



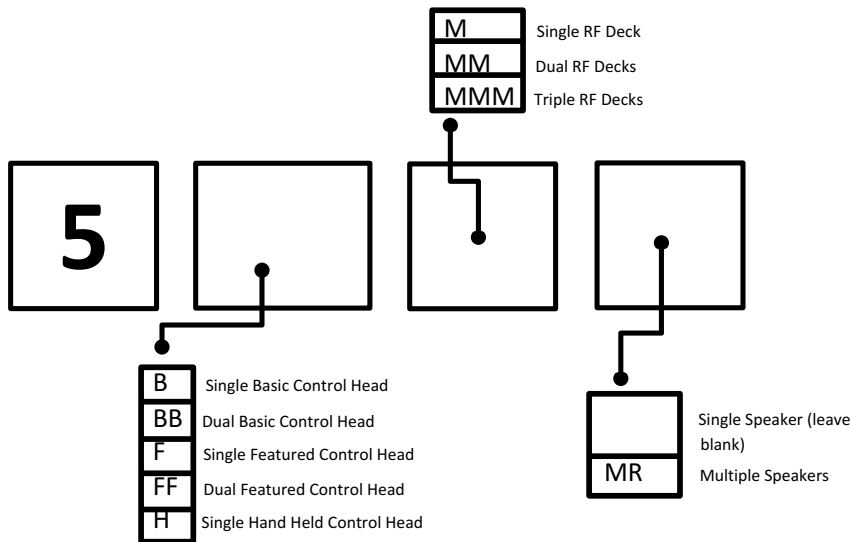


NX-5700/5800/5900

[Table of Contents](#)
VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios

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
<i>MUST purchase necessary accessories separately</i>			
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



* 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



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).	63.75	85.00
Note: MUST submit the Remote Mount Configuration Request Form.			
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)	112.50	150.00
Note: MUST submit the Remote Mount Configuration Request Form.			
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)	112.50	150.00
Note: MUST submit the Remote Mount Configuration Request Form.			
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)	116.25	155.00
Note: MUST submit the Remote Mount Configuration Request Form.			
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)	105.00	140.00
Note: MUST submit the Remote Mount Configuration Request Form.			
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)	112.50	150.00
Note: MUST submit the Remote Mount Configuration Request Form.			
Triple Deck Dual Head Single Speaker Remote Mount		EPL	LIST



NX-5700/5800/5900

[Table of Contents](#)

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

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)	120.00	160.00

Note: MUST submit the Remote Mount Configuration Request Form.

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)	135.00	180.00

Note: MUST submit the Remote Mount Configuration Request Form.

FRONT PANELS & REMOTE KITS		EPL	LIST
KCH-19M	Basic Control Panel	135.00	180.00
	Full Featured Remote Control Panel		
	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 can be used of microSD and Bluetooth SPP with NO License Activation. - Remote configuration only. No Internal Speaker included. KES-5/3 is required.		
KCH-20RM	Hand Held Control Head for Long Cable *Requires KCT-77M2 (17 ft.)	450.00	600.00
	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.		
KCH-21RM	Hand Held Control Head with Short Cable (4 ft.)	746.25	995.00
	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.		
KCH-21RM-S		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)	60.00	70.00
KCT-71M3	Remote Control Cable (25 feet)	33.75	80.00
KCT-71M4	Remote Control Cable (1.6 feet)	137.48	45.00
KCT-77M2	Remote Control Cable for KCH-21RM (17 feet)	23.63	183.30
KCT-23M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)	26.06	31.50
KCT-23M3	DC Cable (35-50W Remote mount; pos. 23 ft.; neg. 3.3. ft. leads)		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)	64.50	86.00

Note: NOT compatible with TDMA operations



NX-5700/5800/5900

[Table of Contents](#)

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

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



NX-5700/5800/5900

Table of Contents

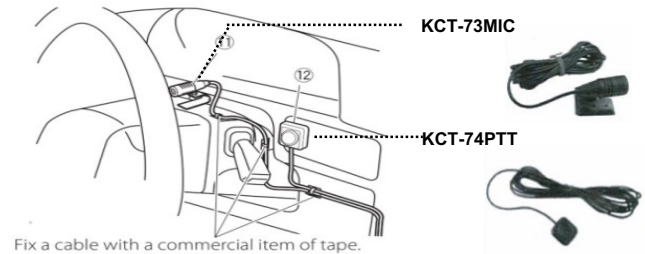
VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios

MICROPHONES AND SPEAKERS		EPL	LIST
KMC-35	MIL-SPEC Standard electric mobile microphone (8-pin mod. plug)	39.38	52.50
KMC-36	MIL-SPEC Standard electric 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	45.94	61.25
	Note: requires KAP-2 (PA/HA unit) or KCT-72M (connection cable) installed.		
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.



FIELD PROGRAMMING UNIT (FPU)		EPL	LIST
KPG-D1NK	License Key for KPG-D1NK Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1)	116.25	155.00

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) • 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	663.00	884.00

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 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



NX-5700/5800/5900

[Table of Contents](#)

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

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

-- IMPORTANT NOTES--

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

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

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

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-5004MR	License Key for Multiple RF Decks Receiver Note: Required ONLY for the radios with S/N: B5900000 or earlier.	N/C	N/C
KWD-5007RC	License Key for Remote Control by Subscriber Units Note: - P25 Mode is NOT available. - This license may be used by Administrator due to Stun/Revive/Kill. - The license is required for only Transmitting of Remote Control.	30.00	40.00

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

DMR Radio Features		EPL	LIST
KWD-5300CV	License Key for DMR Tier II Conventional	45.00	60.00
KWD-5500EE	License Key for DMR ARC4 Enhanced Encryption		#VALUE!

ENCRYPTION MODULES		EPL	LIST
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NX-5700/5800/5900

[Table of Contents](#)

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

KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-5007 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device.	637.50	850.00
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KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-5008 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-	412.50	550.00
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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
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ENCRIPTION MODULES, CON'T	EPL	LIST
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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
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FleetSync® & NEXEDGE® AVL & MESSAGING	EPL	LIST
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KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch Note: - Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft® MapPoint®2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for details.	325.50	434.00
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SERVICE RELATED ACCESSORIES	EPL	LIST
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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
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KPG-115	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	196.88	262.50
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KPG-115AUT	KVL-4000 Radio Authentication Cable Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	247.50	330.00
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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
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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.	375.00	500.00
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INSTALLATION / TUNING CHARGES	EPL	LIST
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L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately.	90.00	120.00
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L-5006	NX-5700/5800 Programming (with basic TX/RX check)	28.13	37.50
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L-5007	Install KWD-AE30K in NX-5000 series Mobile (Must purchase module separately)	56.25	75.00
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L-5008	Install KWD-AE31K in NX-5000 series Mobile (Must purchase module separately)	56.25	75.00
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NX-5700/5800/5900

Table of Contents

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

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. Note: Non-SYSOP entities ordering L-5005 must provide verifiable written authorization from SYSOP to receive an install KAP-2 (Default) HR1/Internal Sp./PA.	99.00	132.00
L-5015	Note: This labor code is only for individual 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
L-5020	KCT-71 Extended Control Head Cable (up to 50 ft. max.) Note: Please specify exact length at 1ft. increments when ordering. Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.	142.50	190.00
L-5021	KCT-71 Extended Control Head Cable (up to 100 ft. max.) Note: Please specify exact length at 1ft. increments when ordering. Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.	183.75	245.00
L-5022	USB Mobile Cable for SD Card Direct Access Support Note: microSD function requires KWD-5002SD license.	71.25	95.00
INSTALLATION / TUNING CHARGES, CON'T		EPL	LIST
L-5023	DB25 Cable for Mobile Relay Station (Conventional Only) 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. DMD is not available and requires an later	26.25	35.00
L-5029	Package Single Deck Single Head Remote (MUST purchase NX-5x00(B) RF Deck and the Kit with this labor for full installation)	56.25	75.00
L-5030	Package Single Deck Dual Head Remote (MUST purchase NX-5x00(B) RF Deck and the Kit with this labor for full installation)	105.00	140.00
L-5031	Package Dual Deck Single Head Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)	63.75	85.00
L-5032	Note: MUST submit the Remote Mount Configuration Request Form. Package Dual Deck Single Head Dual Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)	112.50	150.00
L-5033	Note: MUST submit the Remote Mount Configuration Request Form. Package Dual Deck Dual Head Single Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)	112.50	150.00
L-5034	Note: MUST submit the Remote Mount Configuration Request Form. Package Dual Deck Dual Head Dual Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)	116.25	155.00
L-5035	Note: MUST submit the Remote Mount Configuration Request Form. Package Triple Deck Single Head Single Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)	105.00	140.00
L-5036	Note: MUST submit the Remote Mount Configuration Request Form. Package Triple Deck Single Head Triple Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)	112.50	150.00
L-5037	Note: MUST submit the Remote Mount Configuration Request Form. Package Triple Deck Dual Head Single Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)	120.00	160.00
L-5038	Note: MUST submit the Remote Mount Configuration Request Form. Package Triple Deck Dual Head Triple Speaker Remote (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)	135.00	180.00

-- IMPORTANT NOTES regarding ENCRYPTION MODULES--



NX-5700/5800/5900

[Table of Contents](#)

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

NEXEDGE®
DMR

NX-3200/3300

VHF/UHF Digital & FM Analog Portable Radios

Table of Contents

STANDARD

■ GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-520 MHz) Models
- 512 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (For Basic Models)
- Basic Models (w/o LCD and keypad)
- Standard Keypad Models (w/ LCD and D-pad/4key)
- Full Keypad Models (w/ LCD and D-pad/12 key)
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide)
- 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- 7-color Light Bar Indicator
- Transmit/Busy/Call Alert/Warn LED
- Remote Stun/Kill/Check
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 4-way Directional-pad (For Standard/Full Keypad)
- Emergency Key
- 2 Side PF Keys
- 1W Speaker Audio
- Dual Digital Protocol¹
- Emergency Call Features
- Built-in GPS Receiver / Antenna
- Built-in Bluetooth® Module
- Built-in Motion Sensor
- Active Noise Reduction (ANR)
- KPG-D3N Windows® FPU
- Flash Firmware Upgrading
- Optional Software-based DES and AES . Encryptions (Digital Only)
- MIL-STD-810 C/D/E/F/G
- IP54/55² Water & Dust Intrusion
- IP67² Immersion

■ DIGITAL – NXDN® MODE

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

■ DIGITAL – DMR MODE

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

■ ANALOG MODE

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

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

OPTIONAL FEATURES

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



Basic Standard Key Full Key

All NX-3000 series portables include:

- Belt Clip (KBH-11)
- Accessory Cover
- Channel Stopper
- User Guide
- Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

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

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

- | | | |
|------------|------------|------------|
| • 139.2000 | • 403.2000 | • 460.8000 |
| • 144.0000 | • 408.0000 | • 465.6000 |
| • 148.8000 | • 412.8000 | • 470.4000 |
| • 153.6000 | • 417.6000 | • 475.2000 |
| • 158.4000 | • 422.4000 | • 480.0000 |
| • 160.0000 | • 427.2000 | • 484.8000 |
| • 163.2000 | • 432.0000 | • 489.6000 |
| • 168.0000 | • 436.8000 | • 494.4000 |
| • 172.8000 | • 441.6000 | • 499.2000 |
| | • 446.4000 | • 504.0000 |
| | • 451.2000 | • 508.8000 |
| | • 456.0000 | • 513.6000 |
| | | • 518.4000 |

RADIO		EPL	LIST
NX-3200K	VHF (136-174MHz), 5.0 Watts, 64 CH, Non LCD and Non Keypad Model	443.78	591.70
NX-3200K2	VHF (136-174MHz), 5.0 Watts, 512 CH, LCD and D-pad / 4Key Model	481.28	641.70
NX-3200K3	VHF (136-174MHz), 5.0 Watts, 512 CH, LCD and D-pad / 12 Key Model	518.78	691.70
NX-3300K	UHF (400-520MHz), 5.0 Watts, 64 CH, Non LCD and Non Keypad Model	443.78	591.70
NX-3300K2	UHF (400-520MHz), 5.0 Watts, 512 CH, LCD and D-pad / 4Key Model	481.28	641.70
NX-3300K3	UHF (400-520MHz), 5.0 Watts, 512 CH, LCD and D-pad / 12 Key Model	518.78	691.70
Li-ion VALUE PACKAGES		EPL	LIST
NX-3200K2-LKVP	VHF Hi-Cap Li-Ion Value Pack (NX-3200K2+KNB-57L+KSC-25LSK+KRA-26M)	601.50	802.00



NX-3200/3300

VHF/UHF Digital & FM Analog Portable Radios

[Table of Contents](#)

Li-ion VALUE PACKAGES, CON'T

		EPL	LIST
NX-3200K2-SLKVP	VHF Li-Ion Value Pack (NX-3200K2+KNB-55L+KSC-25LSK+KRA-26M)	573.00	764.00
NX-3300K2-LKVP	UHF Hi-Cap Li-Ion Value Pack (NX-3300K2+KNB-57L+KSC-25LSK+KRA-27M)	601.50	802.00
NX-3300K2-SLKVP	UHF Li-Ion Value Pack (NX-3300K2+KNB-55L+KSC-25LSK+KRA-27M)	573.00	764.00

Field Programming Unit (FPU)

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

Over The Air Programming (OTAP)

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

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



NX-3200/3300

VHF/UHF Digital & FM Analog Portable Radios

Table of Contents

Over The Air Programming (OTAP), CON'T

		EPL	LIST
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2) .	312.75	417.00

-- IMPORTANT NOTES--

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

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

Offline Authentication Option

		EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License Note: - Must purchase Radio Feature Licenses separately. - Can be used with only one (1) Account Registration Key. - Requires KPT-300LMC V1.10 or higher. - Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB. Warranty Information: - Damaged USB License Storage "KWD-OFL-USB"	150.00	200.00

Radio Features

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

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-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-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



NX-3200/3300

VHF/UHF Digital & FM Analog Portable Radios

Table of Contents

KRA-27M3	UHF whip antenna 400-450 MHz	10.50	14.00
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

BATTERIES AND CHARGERS		EPL	LIST
KNB-78LM	3000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	90.00	120.00
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	73.50	98.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	45.00	60.00
KNB-56N	1400 mAh, Ni-MH battery	48.75	65.00
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	36.75	49.00
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC Li-ion Battery	36.23	48.30
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC	46.50	62.00
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L/68LC	472.50	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.31	33.75
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	129.75	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	143.25	191.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	63.00	84.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	225.00	300.00

CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	11.03	14.70
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	21.64	28.85
KLH-206K	Heavy-Duty Leather Case w/Swivel Belt Loop for Basic Model	36.75	49.00
KLH-206K2	Heavy-Duty Leather Case w/Swivel Belt Loop for Standard Keypad Model	36.75	49.00
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	36.75	49.00
KLH-207K	Nylon carrying case for Basic Model	19.73	26.30
KLH-207K2	Nylon carrying case for Standard Keypad Model	19.73	26.30
KLH-207K3	Nylon carrying case for Full Keypad Model	19.73	26.30



NX-3200/3300

VHF/UHF Digital & FM Analog Portable Radios

[Table of Contents](#)

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	97.50	130.00
KMC-42WDM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic	85.50	114.00
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic Note: Not compatible with TDMA operation	72.38	96.50
KEP-1	3.5mm earphone kit for KMC-41/42W/54W Speaker Mics	39.38	52.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black)	117.38	156.50
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) Note: NOT compatible with TDMA operations	138.00	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT Note: NOT compatible with TDMA operations	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	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	276.00	368.00
OPTION MODULES		EPL	LIST
KCT-48VU	External Vibration Unit [Intrinsically Safe Approved Accessory] Note: Audio accessories cannot be used when this option installed	52.50	70.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-36XM	Full Speed USB Programming interface cable	118.88	158.50
INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately.	90.00	120.00
L-5052	KPT-3001 MC's History Menu will not display the Radio Features activated by Factory NX-3200/3300 Programming (with basic TX/RX check)	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Mobile	18.75	25.00

– IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION–

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

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

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

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

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:



NX-3200/3300

VHF/UHF Digital & FM Analog Portable Radios

[Table of Contents](#)

NEXEDGE®
DMR

NX-3220/3320

VHF/UHF Digital & FM Analog Portable Radios

Table of Contents

STANDARD



Basic Standard Key Full Key

All NX-3000 series portables include:

- Belt Clip (KBH-11)
- 2-PIN Accessory Cover
- Channel Stopper
- User Guide
- Premium Warranty: 3 Years*

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

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

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

- | | | |
|------------|------------|------------|
| • 139.2000 | • 403.2000 | • 460.8000 |
| • 144.0000 | • 408.0000 | • 465.6000 |
| • 148.8000 | • 412.8000 | • 470.4000 |
| • 153.6000 | • 417.6000 | • 475.2000 |
| • 158.4000 | • 422.4000 | • 480.0000 |
| • 160.0000 | • 427.2000 | • 484.8000 |
| • 163.2000 | • 432.0000 | • 489.6000 |
| • 168.0000 | • 436.8000 | • 494.4000 |
| • 172.8000 | • 441.6000 | • 499.2000 |
| | • 446.4000 | • 504.0000 |
| | • 451.2000 | • 508.8000 |
| | • 456.0000 | • 513.6000 |
| | | • 518.4000 |

GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-520 MHz) Models
- 260 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (For Basic Models)
- Basic Models (w/o LCD and keypad)
- Standard Keypad Models (w/ LCD and D-pad/4key)
- Full Keypad Models (w/ LCD and D-pad/12 key)
- 4-Line Basic Frame (2-Line Main/Sub-LCD, icon & key guide)
- 5-Line Text Message Frame (3 Lines of Text, icon & key guide)
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- 7-color Light Bar Indicator
- Transmit/Busy/Call Alert/Warn LED
- Remote Stun/Kill/Check
- On/Off Volume Knob
- 16-Position Mechanical Selector
- 4-way Directional-pad (For Standard/Full Keypad)
- Emergency Key
- 2 Side PF Keys
- 1W Speaker Audio
- Dual Digital Protocol¹
- Emergency Call Features
- Built-in GPS Receiver / Antenna
- Built-in Bluetooth® Module
- Built-in Motion Sensor
- Active Noise Reduction (ANR)
- KPG-D3N Windows® FPU
- Flash Firmware Upgrading
- Software DES and AES Encryptions (Digital Only)
- MIL-STD-810 C/D/E/F/G
- IP54/55² Water & Dust Intrusion
- IP67² Immersion

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

2. Must equip 2-PIN Accessory Cover included with

DIGITAL – NXDN® MODE

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

DIGITAL – DMR MODE

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

ANALOG MODE

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

OPTIONAL FEATURES

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

RADIO		EPL	LIST
NX-3220K	VHF (136-174MHz), 5.0 Watts, 64 CH, Non LCD and Keypad Model	352.50	470.00
NX-3220K2	VHF (136-174MHz), 5.0 Watts, 260CH, LCD and D-pad / 4Key Model	415.13	553.50
NX-3220K3	VHF (136-174MHz), 5.0 Watts, 260CH, LCD and D-pad / 12 Key Model	452.63	603.50
NX-3320K	UHF (400-520MHz), 5.0 Watts, 64 CH, Non LCD and Non Keypad Model	352.50	470.00
NX-3320K2	UHF (400-520MHz), 5.0 Watts, 260CH, LCD and D-pad / 4Key Model	415.13	553.50
NX-3320K3	UHF (400-520MHz), 5.0 Watts, 260CH, LCD and D-pad / 12 Key Model	452.63	603.50



NX-3220/3320

VHF/UHF Digital & FM Analog Portable Radios

Table of Contents

Li-ion VALUE PACKAGES		EPL	LIST
NX-3220K2-LKVP	VHF Hi-Cap Li-Ion Value Pack (NX-3220K2+KNB-57L+KSC-25LSK+KRA-26M)	535.35	713.80
NX-3220K2-SLKVP	VHF Li-Ion Value Pack (NX-3220K2+KNB-55L+KSC-25LSK+KRA-26M)	506.85	675.80
NX-3320K2-LKVP	UHF Hi-Cap Li-Ion Value Pack (NX-3320K2+KNB-57L+KSC-25LSK+KRA-27M)	535.35	713.80
NX-3320K2-SLKVP	UHF Li-Ion Value Pack (NX-3320K2+KNB-55L+KSC-25LSK+KRA-27M)	506.85	675.80
Field Programming Unit (FPU)		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile Note: Requires KPT-300LMC for authentication	116.25	155.00
Over The Air Programming (OTAP)		EPL	LIST
KPG-180AP	License Key for KPG-180AP OTAP Manager Software • License includes Fifty (50) radios / One(1) NXDN Conventional and Type-C Air Communication Profile and One(1) NXDN Conventional and Type-C IP Communication Profile Note: - Requires KPT-300LMC for authentication	663.00	884.00
SOFTWARE UPGRADE LICENSES FOR KPG-180AP			
Note: Includes package license for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP software. All additional licenses require KPT-300LMC for authentication.			
KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1,250.25	1,667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2,187.75	2,917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3,125.25	4,167.00
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	312.75	417.00
-- IMPORTANT NOTES--			
Base radios are connected to a computer using the KPG-22UM USB adapter for portables, or a KPG-46XM for mobiles. Requires firmware version 2.5 or higher for the NXR-x00/NXR-x10 repeaters.			
Encryption Software Keyloaders		EPL	LIST
KPG-AE1K	License Key for AES/DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication	393.75	525.00
KPG-DE1K	License Key for DES Encryption Software Key Loader for KWD-3503AE Note: - Requires KPT-300LMC for authentication - KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)	276.00	368.00
Offline Authentication Option		EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License Note: - Must purchase Radio Feature Licenses separately. - Can be used with only one (1) Account Registration Key. - Requires KPT-300LMC V1.10 or higher. - Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB. Warranty Information: - Damaged USB License Storage "KWD-OFL-USB"	150.00	200.00
Radio Features		EPL	LIST
KWD-3000CH	License Key for 1000 Channel Expansion	120.00	160.00
KWD-3001FP	License Key for Front Panel Programming	93.75	125.00



NX-3220/3320

VHF/UHF Digital & FM Analog Portable Radios

[Table of Contents](#)

KWD-3002BT	License Key for Bluetooth Serial Port Profile (Required for Data Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any Bluetooth audio device without this option.	26.25	35.00
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C and Type-C Gen2)	31.28	41.70
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00

Radio Features, CONT		EPL	LIST
KWD-3503AE	License Key for AES/DES Encryption Note: 1. Factory Installation only. Must order L-5054. 2. Requires KPG-AE1/DE1 software key loader to encrypt. 3. KWD-3503AE is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) Please see descriptions at the	337.50	450.00
KWD-3504RC	License Key for Remote Control by Subscriber Unit Note: - This license may be used by Administrator due to Stun/Revive/Kill. - The license is only required for transmission of Remote Control commands.	30.00	40.00

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-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-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-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

BATTERIES AND CHARGERS		EPL	LIST
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	73.50	98.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	45.00	60.00
KNB-56N	1400 mAh, Ni-MH battery	48.75	65.00
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	36.75	49.00
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC Li-ion Battery	36.23	48.30
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC	46.50	62.00
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L/68LC	472.50	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.31	33.75
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	129.75	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	143.25	191.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	63.00	84.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	225.00	300.00

CARRYING ACCESSORIES		EPL	LIST
KBH-11	Spring action belt clip (2.5")	11.03	14.70
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	21.64	28.85
KLH-206K	Heavy-Duty Leather Case w/Swivel Belt Loop for Basic Model	36.75	49.00



NX-3220/3320

VHF/UHF Digital & FM Analog Portable Radios

[Table of Contents](#)

KLH-206K2	Heavy-Duty Leather Case w/Swivel Belt Loop for Standard Keypad Model	36.75	49.00
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NX-3220/3320

VHF/UHF Digital & FM Analog Portable Radios

Table of Contents

CARRYING ACCESSORIES, CON'T

		EPL	LIST
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Keypad Model	36.75	49.00
KLH-207K	Nylon carrying case for Basic Model	19.73	26.30
KLH-207K2	Nylon carrying case for Standard Keypad Model	19.73	26.30
KLH-207K3	Nylon carrying case for Full Keypad Model	19.73	26.30

MICROPHONES & AUDIO ACCESSORIES

		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) Note: KMC-45 (Non D version) is not compatible with DMR (TDMA) operation.	64.50	86.00
KMC-21	Compact speaker microphone	38.63	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
KHS-7	Single muff headset w/boom mic	52.50	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	78.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	124.50	166.00
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.	252.00	336.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00

SERVICE RELATED ACCESSORIES

		EPL	LIST
KPG-22UM	USB Programming interface cable	77.44	158.50

INSTALLATION / TUNING CHARGES

		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio) Note: Must purchase Radio Feature Licenses separately.	90.00	120.00
L-5052	NX-3220/3320 Programming (with basic TX/RX check)	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Mobile	18.75	25.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--

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

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

a) Initial Destination: Initial delivery point if different from Ultimate Destination (customer distribution center, headquarters, dealership, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

* Business/Agency Name:



NX-3220/3320

VHF/UHF Digital & FM Analog Portable Radios

[Table of Contents](#)

NEXEDGE®
DMR

NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

[Table of Contents](#)


All NX-3000 Series Mobiles include:

- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- Blade Fuse
- User Guide
- Premium Warranty: 3 Years

All Accessories / options: 1 Year

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

- | | | |
|------------|------------|------------|
| • 139.2000 | • 403.2000 | • 460.8000 |
| • 144.0000 | • 408.0000 | • 465.6000 |
| • 148.8000 | • 412.8000 | • 470.4000 |
| • 153.6000 | • 417.6000 | • 475.2000 |
| • 158.4000 | • 422.4000 | • 480.0000 |
| • 163.2000 | • 427.2000 | • 484.8000 |
| • 166.4000 | • 432.0000 | • 489.6000 |
| • 168.0000 | • 436.8000 | • 494.4000 |
| • 172.8000 | • 441.6000 | • 499.2000 |
| | • 446.4000 | • 504.0000 |
| | • 451.2000 | • 508.8000 |
| | • 456.0000 | • 513.6000 |
| | | • 518.4000 |

STANDARD

■ GENERAL FEATURES

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

■ DIGITAL – NXDN® MODE

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

■ DIGITAL – DMR MODE

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

■ ANALOG MODE

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

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

OPTIONAL FEATURES

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

RADIO		EPL	LIST
NX-3720HGK	VHF (136-174MHz), 50 Watts, 512 CH, 128 Zones	513.00	684.00
NX-3820HGK	UHF (450 - 520MHz), 45 Watts, 512 CH, 128 Zones	513.00	684.00
NX-3820HGK2	UHF (400 - 470MHz), 45 Watts, 512 CH, 128 Zones	513.00	684.00
Field Programming Unit (FPU)		EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile	116.25	155.00
<i>Note: Requires KPT-300LMC for authentication</i>			
Over The Air Programming (OTAP)		EPL	LIST



NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

[Table of Contents](#)

KPG-180AP	Licence Key for KPG-180AP OTAP Manager Software • License includes Fifty (50) radios / One(1) NXDN Conventional and Type-C Air Communication Profile and One(1) NXDN Conventional and Type-C IP Communication Profile Note: - Requires KPT-300LMC for authentication - NEXEDGE Type-D Trunking and DMR System not supported.	663.00	884.00
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Over The Air Programming (OTAP), CON'T		EPL	LIST
SOFTWARE UPGRADE LICENSES FOR KPG-180AP			
Note: Includes package license for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP software. All additional licenses require KPT-300LMC for authentication.			
KWD-AP5100	Additional 100 Radio Package License for 1 PC Note: License includes 100 subscriber radios OTAP License.	1,250.25	1,667.00
KWD-AP5250	Additional 250 Radio Package License for 1 PC Note: License includes 250 subscriber radios OTAP License.	2,187.75	2,917.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC Note: License includes 500 subscriber radios OTAP License.	3,125.25	4,167.00
KWD-AP1-CA	Additional NXDN Conventional Type-C Air Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	187.50	250.00
KWD-AP2-CP	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC. Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP Interface for both Conventional and Trunking (Type-C Gen1/Gen2).	312.75	417.00

-- IMPORTANT NOTES--

Base radios are connected to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.

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

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

Offline Authentication Option		EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License Note: - Must purchase Radio Feature Licenses separately. - Can be used with only one (1) Account Registration Key. - Requires KPT-300LMC V1.10 or higher. - Cancellation rule is difference with standard Online/Offline Authentication. Please refer to a leaflet bundled with KWD-OFL-USB. Warranty Information: - Damaged USB License Storage "KWD-OFL-USB"	150.00	200.00

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



NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

[Table of Contents](#)

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

MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	21.75	29.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.28	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft.)	32.82	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	31.50	42.00
KMB-10	Key lock adapter	19.73	26.30
KRA-40GM	GPS Antenna	31.50	42.00

CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.00	48.00
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-key DTMF (8-pin mod. plug)	70.88	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.00
KMC-59C	Control Station Desktop Microphone (8-pin mod. plug) compatible with TDMA Operation.	135.00	180.00
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 KCT-60M installed.		
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

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-46XM	Full Speed USB Programming interface cable	118.88	158.50
	Note: This cable with USB mode may be used for SD Card Direct Access.		

INSTALLATION / TUNING CHARGES		EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio)	90.00	120.00
	Note: Must purchase Radio Feature Licenses separately.		
L-5053	KPT-3001 MC's History Menu will not display the Radio Features activated by Factory. NX-3720HG/3820HG Programming (with basic TX/RX check)	28.13	37.50
L-5054	Installation for NX-3000 Portable/Mobile AES	18.75	25.00

-- IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--



NX-3720HG/3820HG

VHF/UHF Digital & FM Analog Mobile Radios

[Table of Contents](#)

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

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

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

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

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

* Business/Agency Name:

* Address:

NEXEDGE®

NX-200G/300G

Table of Contents

VHF/UHF Digital & FM Analog Portables (w/ Built-In GPS)**All NX-G series portables include:**

- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately.

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

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

GENERAL FEATURES

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

DIGITAL – GENERAL

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

DIGITAL – CONVENTIONAL MODE

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

DIGITAL – TRUNKING MODE

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

DIGITAL - MULTI-SITE IP NETWORKSNEXEDGE Generation1 System

- 48site Trunked IP Network
- Auto Roaming Registration
- Group Registration

NEXEDGE Generation1 System Bridge

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

NEXEDGE Generation2 System (option)

- 1,152 sites Wide Area System
- Direct Frequency Assignment

SCAN

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

ANALOG MODE – GENERAL

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

MPT ZONES (option)

- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II (FM)

- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency Status / Text Messages

MDC-1200

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

RADIO		EPL	LIST
NX-200GK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	513.00	684.00
NX-200GK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	550.50	734.00
NX-300GK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	513.00	684.00
NX-300GK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	513.00	684.00
NX-300GK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	550.50	734.00
NX-300GK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	550.50	734.00
CSA US APPROVED MODELS		EPL	LIST
Must Order L-1796 & an Intrinsically Safe Battery per radio			
NX-200-ISCGK	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	513.00	684.00
NX-200-ISCGK2	136-174MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	550.50	734.00

NEXEDGE®

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

NX-300-ISCGK	450-520MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	513.00	684.00
NX-300-ISCGK2	400-470MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys	513.00	684.00

NEXEDGE®

NX-200G/300G

Table of Contents

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

CSA US APPROVED MODELS, CON'T		EPL	LIST
NX-300-ISCGK3	450-520MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	550.50	734.00
NX-300-ISCGK4	400-470MHz 5W, 14 characters Alphanumeric LCD, Full Keypad	550.50	734.00
ANTENNAS		EPL	LIST
KRA-43GM	VHF helical antenna 146-162 MHz (w/GPS)	13.05	17.40
KRA-43GM2	VHF helical antenna 162-174 MHz (w/GPS)	13.05	17.40
KRA-43GM3	VHF helical antenna 136-150 MHz (w/GPS)	13.05	17.40
KRA-44GM	UHF helical antenna 440-490 MHz (w/GPS)	13.05	17.40
KRA-44GM2	UHF helical antenna 470-520 MHz (w/GPS)	13.05	17.40
KRA-44GM3	UHF helical antenna 400-450 MHz (w/GPS)	13.05	17.40
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-47L	1950 mAh, Li-ion battery - requires KSC-32/326K charger	78.75	105.00
KNB-48L	2550 mAh, Li-ion battery - requires KSC-32/326K charger	91.88	122.50
KNB-50NC	2000 mAh, Ni-MH battery - requires KSC-32/326K charger [FM & CSA-us ntrinsically 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
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 (KLH-75B/76B/78B/79B/92/122/123/133/148/154)	27.56	36.75

NEXEDGE®

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

KLH-148K	Heavy duty leather case for NX-200/300/TK-5220/5320 (Non DTMF keypad models)	33.19	44.25
KLH-148K2	Heavy duty leather case for NX-200/300/TK-5220/5320 (DTMF keypad models)	33.19	44.25

NEXEDGE®

NX-200G/300G

Table of Contents

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

CARRYING ACCESSORIES, CONT		EPL	LIST
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-NX	Yellow Housing Kit for NX-x00 portables (6 Control Keys Version Only) Order L-1714 for Factory Install. (required for Intrinsically Safe & IP67 radio orders)	30.00	40.00
KWD-OH20-NX	Orange Housing Kit for NX-x00 portables (6 Control Keys Version Only) Order L-1739 for Factory Install. (required for Intrinsically Safe & IP67 radio orders)	30.00	40.00
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-51DM	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 2] [Intrinsically Safe Option]	187.50	250.00
KMC-52WDM	MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 2] Note: 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).	225.00	300.00
KMC-47GPSD	GPS Speaker Microphone [Intrinsically Safe Option]	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] Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards.	85.50	114.00
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics [Intrinsically Safe Approved Accessory]	39.38	52.50
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) [Intrinsically Safe Approved Accessory]	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]	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]	276.00	368.00
SOFTWARE & USB OPTIONS		EPL	LIST
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING] Note: NEXEDGE Tune D, Trunking and DMR not supported.	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
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Must order L-1812 for factory installation, or L-1813 for field-upgrade option Note: MPT Firmware and FPU do NOT compatible. MPTs will be available on 3Q FY2016 .	12.75	17.00

NEXEDGE®

NX-200G/300G

Table of Contents

VHF/UHF Digital & FM Analog Portables (w/ Built-In GPS)**SOFTWARE & USB OPTIONS, CONT**

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

OPTION MODULES

		EPL	LIST
KCT-48VU	External Vibration Unit [Intrinsically Safe Approved Accessory] Note: Audio accessories cannot be used when this option installed.	52.50	70.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) [Intrinsically Safe Approved Accessory] - Must be Kenwood installed for I.S.	16.50	22.00
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1828 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). [Intrinsically Safe Option] - Must be Kenwood installed for I.S. Note: GPS Board must be removed to install this option.	637.50	850.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1829 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) [Intrinsically Safe Option] - Must be Kenwood installed for I.S. Note: GPS Board must be removed to install this option.	412.50	550.00

SERVICE RELATED ACCESSORIES

		EPL	LIST
KPG-111DNK (Ver 4.4 or newer)	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-36XM	USB Programming interface cable	118.88	158.50

MPT FIRMWARE/ACCESSORIES/TUNING

		EPL	LIST
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) Note: - Must order L-1727 for Network Level License ID & programming privileges. - Gen2 Enhanced Option (KWD-NX2G-10) for MPT will be available on 3Q FY2016.	77.44	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order L-1729 Note: Not compatible with any other firmware options. Radio does not retain LTP trunking firmware once the MPT option is installed.	50.03	66.70
L-1726	Install MPT option in NX series radio	18.75	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	118.75	158.33
L-1728	Retrofit Install of MPT option in NX series radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number.	63.75	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	N/C	N/C
L-1730	Install KCT-57MS (for MPT Emergency Call)	15.00	20.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	12.75	17.00

NEXEDGE®

NX-200G/300G

Table of Contents

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

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

-- IMPORTANT NOTES --

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

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

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

* Business/Agency Name:

* Address:

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

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

NEXEDGE®

NX-210G

Table of Contents

VHF Digital & FM Analog Portables (w/ Built-In GPS)**210G series portable include:**

- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

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

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

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

GENERAL FEATURES

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

DIGITAL – GENERAL

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

DIGITAL – CONVENTIONAL MODE

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

DIGITAL – TRUNKING MODE

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

DIGITAL - MULTI-SITE IP NETWORKSNEXEDGE Generation1 System

- 48site Trunked IP Network
- Auto Roaming Registration
- Group Registration

NEXEDGE Generation1 System Bridge

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

NEXEDGE Generation2 System (option)

- 1,152 sites Wide Area System
- Direct Frequency Assignment

SCAN

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

ANALOG MODE – GENERAL

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

FleetSync®/II (FM)

- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency Status / Text Messages

MDC-1200

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

* Must remove GPS module to utilize these options

RADIO		EPL	LIST
NX-210GK2	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad	550.50	734.00
CSA US APPROVED MODELS		EPL	LIST
Must Order L-1750 & an Intrinsically Safe Battery per radio			
NX-210-ISCCK2	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Key (I.S.)	550.50	734.00
PACKAGE		EPL	LIST
NX-210GK2-LKP	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad VHF Li-Ion Battery Package (NX-210K2 + KNB-33L + KSC-32 + KBH-11 + KRA-26M)	692.25	923.00

NEXEDGE®

NX-210G

Table of Contents

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

ANTENNAS		EPL	LIST
KRA-43GM	VHF helical antenna 146-162 MHz (w/GPS)	13.05	17.40
KRA-43GM2	VHF helical antenna 162-174 MHz (w/GPS)	13.05	17.40
KRA-43GM3	VHF helical antenna 136-150 MHz (w/GPS)	13.05	17.40
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-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-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
BATTERIES AND CHARGERS		EPL	LIST
KNB-41NC	2500 mAh, Ni-MH battery - requires KSC-32/326K charger [FM & CSA-us ntrinsically Safe Option]	102.38	136.50
KNB-73LCM	2000 mAh, Li-ion battery - requires KSC-32/326K charger [CSA-us ntrinsically Safe Option]	104.25	139.00
KNB-54N	2500 mAh, Ni-MH battery - requires KSC-32/326K charger	65.63	87.50
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K charger	78.75	105.00
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
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-10	Low profile spring action belt clip (for use with KNB-33L Only)	6.26	8.35
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 (KLH-75B/76B/78B/79B/92/122/123/133/148/154)	27.56	36.75
KLH-154K2	Heavy duty leather carrying case for NX-210K2/410K2/411K2 Note: No belt loop flap is included. Must order KLH-6SW for belt loop.	33.19	44.25
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-51DM	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] [Intrinsically Safe Approved Accessory] * CSA Intrinsically Safe Approved except for Group C gases.	187.50	250.00
KMC-52WDM	MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory] * CSA Intrinsically Safe Approved except for Group C gases. [note 1]: To adjust microphone settings different from factory default, download KPG-147NC configuration software and special configuration firmware from Kenwood Tools (no charge).	225.00	300.00

NEXEDGE®

NX-210G[Table of Contents](#)**VHF Digital & FM Analog Portables (w/ Built-In GPS)**

KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector [Intrinsically Safe Approved Accessory] Note: 5/16" Coax cable hex wrench included (antenna is not included).	187.50	250.00
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NEXEDGE®

NX-210G

Table of Contents

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

MICROPHONES & AUDIO ACCESSORIES, CONT		EPL	LIST
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]	85.50	114.00
KEP-1	Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards. 3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics [Intrinsically Safe Approved Accessory]	39.38	52.50
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) [Intrinsically Safe Approved Accessory]	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]	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]	276.00	368.00
SOFTWARE & USB OPTIONS		EPL	LIST
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING] Note: NEXEDGE Tune-D-Trunking and DMR not supported.	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
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Must order L-1812 for factory installation, or L-1813 for field-upgrade option	12.75	17.00
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without ESN . KWD-LIC-USB stores KWD-NX2G-10 options which are purchased separately and includes KPG-97USB software for activating radios. Note: - Must order L-1819. - Must purchase KWD-NX2G-10 separately. - KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order. - KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders. - KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.	N/C	N/C
OPTION MODULES		EPL	LIST
KCT-48VU	External Vibration Unit [Intrinsically Safe Approved Accessory] Note: Audio accessories cannot be used when this option installed.	52.50	70.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) [Intrinsically Safe Approved Accessory]- Must be Kenwood installed for I.S.	16.50	22.00
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1832 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). [Intrinsically Safe Option]- Must be Kenwood installed for I.S.	637.50	850.00

NEXEDGE®

NX-210G[Table of Contents](#)**VHF Digital & FM Analog Portables (w/ Built-In GPS)**

KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1833 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) [Intrinsically Safe Option]- Must be Kenwood installed for I.S.	-----	412.50	550.00
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NEXEDGE®

NX-210G

Table of Contents

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

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 Note: Version 4.40 is required to program "G" models	77.44	103.25
KPG-36XM	USB Programming interface cable	118.88	158.50
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-1633	NX-210 Programming (with basic TX/RX check)	28.13	37.50
L-1667	Install VGS-1 Voice Guide & Storage Unit in NX-210	18.75	25.00
L-1671	NX-210/410/411 Portable KCT-57MS Installation (for NXDN® / FleetSync®)	15.00	20.00
L-1750	Configure NX-210/210G/410/411 for Intrinsically Safe Must order an I.S. battery.	52.50	70.00
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	N/C	N/C
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00
L-1832	Install KWD-AE30K in NX-210G/410/411 series Portable (Must purchase module separately)	56.25	75.00
L-1833	Install KWD-AE31K in NX-210G/410/411 series Portable (Must purchase module separately)	56.25	75.00

-- IMPORTANT NOTES --

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

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

a) Initial Destination: Initial delivery point if different from Ultimate Destination
(customer distribution center, headquarters, dealership, manufacturer's representative)

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

* Business/Agency Name:

* Address:

* Contact Person Name:

* Contact Phone:

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

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

NEXEDGE®

NX-240V/340U

Table of Contents

VHF/UHF Digital & FM Analog Portable Radios**All 40 series NX portables include:**

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

* All Accessories / options: 1 Year

GENERAL FEATURES

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

GENERAL FEATURES

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

DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Site Roaming

DIGITAL – TYPE-D TRUNKING MODE *

- Individual Call
- Group Call & All Group Call
- Emergency Call
- Paging Call
- Transmission Trunked Mode
- Late Entry
- ESN Validation
- Status Messaging

* Hardware Version 2.0 can be available.**SCAN**

- Single Zone Scan
- Single Priority Scan (Conventional)

ANALOG MODES – GENERAL

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

FleetSync®/II

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

MDC-1200

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

RADIO		EPL	LIST
NX-240VK	136-174 MHz VHF 5W, 16 Ch / 2 Zones	264.38	352.50
NX-340UK	450-520 MHz UHF 5W, 16 Ch / 2 Zones	275.63	367.50
NX-340UK2	400-470 MHz UHF 5W, 16 Ch / 2 Zones	275.63	367.50
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 403-430 MHz	10.50	14.00
KRA-41M	VHF stubby antenna 148-162 MHz	10.28	13.70
KRA-41M2	VHF stubby antenna 162-174 MHz	10.28	13.70
KRA-41M3	VHF stubby antenna 136-150 MHz	10.28	13.70
KRA-42M	UHF stubby antenna 440-490 MHz	10.28	13.70
KRA-42M2	UHF stubby antenna 470-520 MHz	10.28	13.70
KRA-42M3	UHF stubby antenna 403-430 MHz	10.28	13.70
KRA-22M	VHF low profile antenna 148-162 MHz	10.28	13.70
KRA-22M2	VHF low profile antenna 162-174 MHz	10.28	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.28	13.70

NEXEDGE®

NX-240V/340U

Table of Contents

VHF/UHF Digital & FM Analog Portable Radios

ANTENNAS, CON'T		EPL	LIST
KRA-23M	UHF low profile antenna 450-490 MHz	10.28	13.70
KRA-23M2	UHF low profile antenna 470-520 MHz	10.28	13.70
KRA-23M3	UHF low profile antenna 403-430 MHz	10.28	13.70
BATTERIES AND CHARGERS		EPL	LIST
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) Note: The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	156.38	208.50
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	47.25	63.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	56.25	75.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	27.56	36.75
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	23.63	31.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.53	36.70
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.53	36.70
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	6.26	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	19.73	26.30
KLH-187	Nylon case for TK-200/202/300/302/400/402, NX-x40, TK-Dx40 Series	11.03	14.70
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	64.50	86.00
KMC-48GPS	GPS Speaker Microphone	198.75	265.00
KEP-1	3.5mm earphone kit for KMC-48GPS Speaker Mics	39.38	52.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
KMC-21	Compact speaker microphone	38.63	51.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	252.00	336.00
KHS-7	Single muff headset w/boom mic	52.50	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	78.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-170DK	Windows® Programming Software for NX-240V/340U (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-22UM	USB Programming interface cable	118.88	158.50
TYPE-D TRUNKING ACTIVATION/TUNING		EPL	LIST
KWD-NXD40K	Type-D Trunking Option. Must order L-1800 or L-1801 . Note: Compatible with firmware version 3.00 or later. Only Hardware Version 2.0 can be available.	7.50	10.00

NEXEDGE®

NX-240V/340U[Table of Contents](#)**VHF/UHF Digital & FM Analog Portable Radios**

L-1800

Factory Activation of Type-D Trunking Option.

N/C

N/C

NEXEDGE®

NX-240V/340U[Table of Contents](#)**VHF/UHF Digital & FM Analog Portable Radios****TYPE-D TRUNKING ACTIVATION/TUNING, CON'T**

		EPL	LIST
L-1801	Type-D Trunking Option FIELD-UPGRADE. To place an order, please complete the NEXEDGE Type-D Field Upgrade Form available on Kenwood Tools under Forms. Required information includes the exact model #s and serial number for each radio to be updated.	N/C	N/C

INSTALLATION / TUNING CHARGES

		EPL	LIST
L-1767	NX-240V/340U Programming (with basic TX/RX check)	28.13	37.50

NEXEDGE®

NX-410/411

Table of Contents

800/900 MHz Digital & FM Analog Portable Radios**410 portable includes:**

- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

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

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

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

GENERAL FEATURES

- 3.0 W (806-870 MHz) Model
- 2.5 W (896-941 MHz) Model
- 512 CH-GID / 128 Zones
- 12-Key Keypad
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- Emergency/AUX Key
- 500 mW Speaker Audio
- KMC-47GPS Speaker Mic Option
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode

DIGITAL – GENERAL

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

DIGITAL – CONVENTIONAL MODE

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

DIGITAL – TRUNKING MODE

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

DIGITAL - MULTI-SITE IP NETWORKSNEXEDGE Generation1 System

- 48site Trunked IP Network
- Auto Roaming Registration
- Group Registration

NEXEDGE Generation1 System Bridge

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

NEXEDGE Generation2 System (option)

- 1,152 sites Wide Area System
- Direct Frequency Assignment

SCAN

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

ANALOG MODES – GENERAL

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

MPT ZONES (option)

- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II

- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200

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

** 800 MHz model only.1

RADIO		EPL	LIST
NX-410K2	806-870MHz 3W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad	637.50	850.00
NX-411K2	896-941MHz 2.5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad	637.50	850.00
CSA APPROVED I.S. MODEL		EPL	LIST
Must Order L-1750 & an Intrinsically Safe Battery per radio			
NX-410-ISK2	806-870MHz 3W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Key (I.S.)	637.50	850.00
NX-411-ISK2	896-941MHz 2.5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Key (I.S.)	637.50	850.00
PACKAGE		EPL	LIST
NX-410K2-LKP	806-870MHz 3W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad Li-Ion Battery Package (NX-410K2 + KNB-33L + KSC-32 + KBH-11 + KRA-38K)	795.00	1,060.00

NEXEDGE®

NX-410/411[Table of Contents](#)**800/900 MHz Digital & FM Analog Portable Radios**

NX-411K2-LKP	896-941MHz 2.5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Keypad Li-Ion Battery Package (NX-411K2 + KNB-33L + KSC-32 + KBH-11 + KRA-38K)	795.00	1,060.00
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NEXEDGE®

NX-410/411

Table of Contents

800/900 MHz Digital & FM Analog Portable Radios

ANTENNAS		EPL	LIST
KRA-32K	700/800 MHz Whip Antenna	26.25	35.00
KRA-36	700/800 MHz Stubby Antenna	18.75	25.00
KRA-38K	800/900 MHz Whip Antenna	26.25	35.00
KRA-39	900 MHz Stubby Antenna	18.75	25.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-54N	2500 mAh, Ni-MH battery - requires KSC-32/326K charger	65.63	87.50
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K charger	78.75	105.00
KNB-41NC	2500 mAh, Ni-MH battery - requires KSC-32/326K charger	102.38	136.50
KNB-73LCM	2000 mAh, Li-ion battery - requires KSC-32/326K charger [FM & CSA-us ntrinsically Safe Option]	104.25	139.00
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	51.38	68.50
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC [Note: the color of the case is orange. 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	25.32	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
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Low profile spring action belt clip (for use with KNB-33L Only)	6.26	8.35
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 (KLH-75B/76B/78B/79B//92/122/123/133/148/154)	27.56	36.75
KLH-154K2	Heavy duty leather carrying case for NX-210K2/410K2/411K2 [Note: No belt loop flap is included. Must order KLH-6SW for belt loop.]	33.19	44.25
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-51DM	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] [Intrinsically Safe Approved Accessory] * CSA Intrinsically Safe Approved except for Group C gases.	187.50	250.00
KMC-52WDM	MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] [Intrinsically Safe Approved Accessory] [Note 1]: To adjust microphone settings different from factory default, download KPG-147NC configuration software and special configuration firmware from Kenwood Tools (no charge).	225.00	300.00
KMC-47GPSD	GPS Speaker Microphone [Intrinsically Safe Approved Accessory] * CSA Intrinsically Safe Approved except for Group C gases.	217.50	290.00
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector [Intrinsically Safe Approved Accessory] [Note: 5/16" Coax cable hex wrench included (antenna is not included).]	187.50	250.00
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] [Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards.]	85.50	114.00

NEXEDGE®

NX-410/411[Table of Contents](#)**800/900 MHz Digital & FM Analog Portable Radios**

KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics	39.38	52.50
[Intrinsically Safe Approved Accessory]			

NEXEDGE®

NX-410/411

Table of Contents

800/900 MHz Digital & FM Analog Portable Radios

MICROPHONES & AUDIO ACCESSORIES - CON'T		EPL	LIST
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector) [Intrinsically Safe Approved Accessory]	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]	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]	276.00	368.00
SOFTWARE OPTIONS		EPL	LIST
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	412.50	550.00
KPG-AE1K	Note: NEXEDGE Type D Trunking and DMR not supported. 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.1).	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
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Must order L-1812 for factory installation, or L-1813 for field-upgrade option Note: MPT Firmware and EPL do NOT compatible. MPTs will be available on 30.EY2016.	12.75	17.00
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without ESN. KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes KPG-97USB software for activating radios. Note: - Must order L-1819. - Must purchase KWD-NX2G-10 seperately. - KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order. - KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders. - KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.	N/C	N/C
OPTION MODULES		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1832 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1). [Intrinsically Safe Option]- Must be Kenwood installed for I.S.	637.50	850.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1833 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) [Intrinsically Safe Option]- Must be Kenwood installed for I.S.	412.50	550.00
KCT-48VU	External Vibration Unit [Intrinsically Safe Approved Accessory] Note: Audio accessories cannot be used when this option installed	52.50	70.00
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) [Intrinsically Safe Approved Accessory]- Must be Kenwood installed for I.S.	16.50	22.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25

NEXEDGE®

NX-410/411

Table of Contents

800/900 MHz Digital & FM Analog Portable Radios

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-1671	NX-210/410/411 Portable KCT-57MS Installation (for NXDN® / FleetSync®)	15.00	20.00
L-1691	NX-410/411 Programming (with basic TX/RX check)	28.13	37.50
L-1750	Configure NX-210/410/411 for Intrinsically Safe Must order an I.S. battery.	52.50	70.00
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	N/C	N/C
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00
L-1832	Install KWD-AE30K in NX-210G/410/411 series Portable (Must purchase module separately)	56.25	75.00
L-1833	Install KWD-AE31K in NX-210G/410/411 series Portable (Must purchase module separately)	56.25	75.00
MPT FIRMWARE/ACCESSORIES/TUNING		EPL	LIST
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) Note: - Must order L-1727 for Network Level License ID & programming privileges. - Gen2 Enhanced Option (KWD-NX2G-10) for MPT will be available on 30.01.2016	77.44	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order L-1729 Note: Not compatible with any other firmware options. Radio does not retain I.T.R. trunking features once the MPT option is installed	50.03	66.70
L-1726	Install MPT option in NX series radio	18.75	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	118.75	158.33
L-1728	Retrofit Install of MPT option in NX series radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. Note: see NX series MPT Introduction Sales Bulletin for details	63.75	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	N/C	N/C
L-1730	Install KCT-57MS (for MPT Emergency Call)	15.00	20.00

NEXEDGE®

NX-410/411

[Table of Contents](#)

800/900 MHz Digital & FM Analog 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.

NEXEDGE®

NX-420

Table of Contents

800 MHz Digital & FM Analog Portable Radios**All 420 series NX portables include:**

- Belt Clip (KBH-12)
- Antenna (KRA-38K)
- 2-PIN Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

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

--- Must Order **L-1732**
for Intrinsically Safe Option ---

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

GENERAL FEATURES

- 3.0 W (806 - 870 MHz)
- 260 CH-GID / 128 Zones
- 4 Front PF Keys, 12-Key Keypad
- 8 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- On / Off Volume Knob
- 16-Position Selector
- 3 Side PF Keys
- Emergency / AUX Key
- Built-in Motion Sensor
- 500 mW Speaker Audio
- Zone / CH# Voice Announcement
- KMC-48GPS Speaker Mic Option
- KPG-141D/DN Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Dust & Water Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode

DIGITAL – GENERAL

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun / Kill/Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included

DIGITAL – CONVENTIONAL MODE

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

DIGITAL – TRUNKING MODE

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

DIGITAL - MULTI-SITE IP NETWORKSNEXEDGE Generation1 System

- 48site Trunked IP Network
- Auto Roaming Registration
- Group Registration

NEXEDGE Generation1 System Bridge

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

NEXEDGE Generation2 System (option)

- 1,152 sites Wide Area System
- Direct Frequency Assignment

SCAN

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

ANALOG MODES – GENERAL

- 25 & 12.5 kHz Channels
- NPSPAC Channels
- Conventional & LTR® Zones
- FleetSync® / II, MDC-1200, DTMF
- QT / DQT (Conventional Zones only)
- Voice Inversion Scrambler (16 Codes)

MPT ZONES (option)

- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II

- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200

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

RADIO		EPL	LIST
NX-420K3	806 - 870 MHz 3W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys, Full Keypad	412.50	550.00
Li-ion VALUE PACKAGES		EPL	LIST
NX-420K3-SLKP	Li-ion Value Pack (NX-420K3 + KNB-55L + KSC-25LSK)	493.73	658.30
NX-420K3-LKVP	Hi-Cap Li-ion Value Pack (NX-420K3 + KNB-57L + KSC-25LSK)	522.23	696.30
PACKAGES		EPL	LIST
NX-420K3-SLKP	Standard Slim Package (NX-420K3 + KNB-55L + KSC-25SK)	504.00	672.00
NX-420K3-LKP	Premium Package (NX-420K3 + KNB-57L + KSC-25SK)	532.50	710.00
SGS US I.S. APPROVED MODELS		EPL	LIST
Must Order L-1732 & an Intrinsically Safe Battery per radio			
NX-420-ISK3	806 - 870 MHz 3W, 260 CH, 8 characters Alphanumeric LCD, 4 PF Keys, Full Keypad	412.50	550.00

NEXEDGE®

NX-420

Table of Contents

800 MHz Digital & FM Analog Portable Radios

ANTENNAS		LIST	
KRA-24M	800 MHz Whip Antenna 1/4 wave end feed		36.75
KRA-32K	700/800 MHz Whip Antenna		35.00
KRA-36	700/800 MHz Stubby Antenna		25.00
KRA-38K	800/900 MHz Whip Antenna		35.00
BATTERIES AND CHARGERS		EPL	LIST
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	36.75	49.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	129.75	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	143.25	191.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.31	33.75
KNB-68LC	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger [Intrinsically Safe Option]	84.00	112.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	45.00	60.00
KNB-56N	1400 mAh, Ni-MH battery	48.75	65.00
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	73.50	98.00
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC	46.50	62.00
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L/68LC	472.50	630.00
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC Li-ion Battery	36.23	48.30
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	63.00	84.00
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-12	Spring action belt clip	6.26	8.35
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	21.64	28.85
KLH-179K3	Heavy-Duty Leather Case w/Swivel Belt Loop for NX-220K3/320K3/K6/420K3 (Full Keypad)	36.75	49.00
KLH-180K3	Nylon carrying case for NX-220K3/320K3/K6/420K3 (Full Keypad)	19.73	26.30
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-48GPS	GPS Speaker Microphone [Intrinsically Safe Approval Accessory]	198.75	265.00
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) [Intrinsically Safe Approval Accessory]	64.50	86.00
KMC-21	Compact speaker microphone [Intrinsically Safe Approval Accessory]	38.63	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic [Intrinsically Safe Approval Accessory]	39.38	52.50
KHS-7	Single muff headset w/boom mic [Intrinsically Safe Approval Accessory]	52.50	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT [Intrinsically Safe Approval Accessory]	78.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approval Accessory]	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approval Accessory]	252.00	336.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	30.75	41.00

NEXEDGE®

NX-420

Table of Contents

800 MHz Digital & FM Analog Portable Radios

MICROPHONES & AUDIO ACCESSORIES, CONT

		EPL	LIST
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00

SOFTWARE OPTIONS

		EPL	LIST
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING] <i>Note: NEXEDGE Two-D-Talkies and DMR not supported.</i>	412.50	550.00
KWD-MS10	Stationary & Motion Detection Must Order L-1700 or L-1835 to activate this feature.	45.00	60.00
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Must order L-1812 for factory installation, or L-1813 for field-upgrade option Note: MPT Firmware and EPL do NOT compatible. MPTs will be available on 3Q FY2016.	12.75	17.00
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without ESN . KWD-LIC-USB stores KWD-NX2G-10 options which are purchased separately and includes KPG-97USB software for activating radios.	N/C	N/C

Note:

- Must order L-1819.
- Must purchase KWD-NX2G-10 separately.
- KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order.
- KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders.
- KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.

SERVICE RELATED ACCESSORIES

		EPL	LIST
KPG-141DNK	Windows® Programming Software for NX-220/320/420 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-22UM	USB Programming interface cable	118.88	158.50

INSTALLATION / TUNING CHARGES

		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-1699	NX-220/320/420 Programming (with basic TX/RX check)	28.13	37.50
L-1700	Install KWD-MS10 Stationary & Motion Detection Option	N/C	N/C
L-1835	KWD-MS10 Stationary & Motion Detection Option FIELD-UPGRADE	N/C	N/C
L-1732	Configure NX-220/320/420 for Intrinsically Safe Must Order an I.S. Battery	52.50	70.00
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	N/C	N/C
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00

MPT FIRMWARE/ACCESSORIES/TUNING

		EPL	LIST
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) Note: - Must order L-1727 for Network Level License ID & programming privileges. - Gen2 Enhanced Option (KWD-NX2G-10) for MPT will be available on 3Q FY2016.	77.44	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order L-1729 Note: Not compatible with any other firmware options. Radio does not retain I.T.R. trunking features once the MPT option is installed.	50.03	66.70
L-1726	Install MPT option in NX series radio	18.75	25.00

NEXEDGE®

NX-420[Table of Contents](#)**800 MHz Digital & FM Analog Portable Radios**

L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	118.75	158.33
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NEXEDGE®

NX-420[Table of Contents](#)**800 MHz Digital & FM Analog Portable Radios****MPT FIRMWARE/ACCESSORIES/TUNING, CON'T****LIST**

L-1728	Retrofit Install of MPT option in NX series radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number.	63.75	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	N/C	N/C
L-1730	Install KCT-57MS (for MPT Emergency Call)	15.00	20.00



TK-D240V/340U

Table of Contents

VHF/UHF Digital & FM Analog Portable Radios



All 40 series DMR portables include:

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

** All Accessories / options: 1 Year

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

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

GENERAL FEATURES

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

DIGITAL – CONVENTIONAL MODE

- Individual & Group Selective Call
- Conventional IP Networks

SCAN

- Single Zone Scan
- Single Priority Scan (Conventional)

ANALOG MODES – GENERAL

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

FleetSync®

- PTT ID ANI
- Selective / Group Call
- Paging Call
- Emergency Status

GENERAL FEATURES

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

RADIO		EPL	LIST
TK-D240VK	136-174 MHz VHF 5W, 16 Ch / 2 Zones	275.63	367.50
TK-D340UK	450-520 MHz UHF 4W, 16 Ch / 2 Zones	275.63	367.50
TK-D340UK2	400-470 MHz UHF 4W, 16 Ch / 2 Zones	275.63	367.50
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 403-430 MHz	10.50	14.00
KRA-41M	VHF stubby antenna 148-162 MHz	10.28	13.70
KRA-41M2	VHF stubby antenna 162-174 MHz	10.28	13.70
KRA-41M3	VHF stubby antenna 136-150 MHz	10.28	13.70
KRA-42M	UHF stubby antenna 440-490 MHz	10.28	13.70
KRA-42M2	UHF stubby antenna 470-520 MHz	10.28	13.70
KRA-42M3	UHF stubby antenna 403-430 MHz	10.28	13.70
KRA-22M	VHF low profile antenna 148-162 MHz	10.28	13.70
KRA-22M2	VHF low profile antenna 162-174 MHz	10.28	13.70
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	10.28	13.70



TK-D240V/340U

VHF/UHF Digital & FM Analog Portable Radios

[Table of Contents](#)

ANTENNAS, CON'T		EPL	LIST
KRA-23M	UHF low profile antenna 450-490 MHz	10.28	13.70
KRA-23M2	UHF low profile antenna 470-520 MHz	10.28	13.70
KRA-23M3	UHF low profile antenna 403-430 MHz	10.28	13.70
BATTERIES AND CHARGERS		EPL	LIST
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) Note: The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. <small>Dimensions: 10.60(W) x 2.4(H) x 9.5(D) inches. Weight: approx. 10 lbs. (loaded with chargers/radios).</small>	156.38	208.50
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	47.25	63.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	56.25	75.00
KNB-29N	1500 mAh, Ni-MH battery - requires KSC-43K charger	27.56	36.75
KSC-35SK	110-220 volt Fast rate single unit charger for KNB-45L/69L	23.63	31.50
KSC-43K	110-220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.53	36.70
KVC-22	110-220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.53	36.70
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	6.26	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	19.73	26.30
KLH-187	Nylon case for TK-200/*202/*300/*302/*400/*402, NX-x40, TK-Dx40 Series	11.03	14.70
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) Note: KMC-45 (Non D version) is not compatible with TDMA operation.	64.50	86.00
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
KMC-21	Compact speaker microphone	38.63	51.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT Note: Available for Analog only. NOT compatible with Digital (TDMA) operations.	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT Note: Available for Analog only. NOT compatible with Digital (TDMA) operations.	252.00	336.00
KHS-7	Single muff headset w/boom mic	52.50	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT Note: Available for Analog only. NOT compatible with Digital (TDMA) operations.	78.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black) Note: Available for Analog only. NOT compatible with Digital (TDMA) operations.	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black) Note: Available for Analog only. NOT compatible with Digital (TDMA) operations.	124.50	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-166DNK	Windows® Programming Software for TK-D240V/340U/740HV/840HU	77.44	103.25
KPG-22UM	USB Programming interface cable	118.88	158.50
INSTALLATION / TUNING CHARGES		EPL	LIST
L-1798	TK-D240V/340U Programming (with basic TX/RX check)	28.13	37.50

TK-190

Low Band VHF Portable Radio

Table of Contents



190 series portables include:

- Belt Clip
- Universal Connector Cap
- Instruction Manual
- Channel Selector
- Mechanical stop & dressing plate
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES

- 6 W (29.7-37.0, 35.0-50.0 MHz)
- 16 Channels
- QT / DQT
- Priority Scan
- 7-Character Alphanumeric Aliases
- Lighted 13-Segment LCD
- Inverting LCD Display
- 3-Digit Sub-Display
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 2 Top Panel PF keys
- 2 Side PF Keys
- Orange Emergency / AUX Key (side)
- 2-Position PF Toggle Switch (top)
- 500 mW Speaker Audio
- Encryption / ANI Board Control
- Emergency Call Features
- Emergency Man-Down Option
- Two-Tone Decode
- Operator Selectable Tone
- DTMF Encode / Decode
- Time Out Timer
- Busy Channel Lockout
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- MIL-Spec Speaker Mic Options
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test / Tune
- Cloning
- MIL-STD-810 C/D/E/G
- MIL-STD "Driven-Rain"

** Purchase Battery, Charger & Antenna Separately.

RADIO		EPL	LIST
TK-190K	VHF Low Band 29.7 – 37.0 MHz 6W, 16 Channels	555.75	741.00
TK-190K2	VHF Low Band 35.0 – 50.0 MHz 6W, 16 Channels	555.75	741.00

Important Notice:

If this transceiver is programmed for more than one channel, the transmit frequencies must be within a 500 kHz range.

The physical condition of the antenna may affect the radio's performance. If the original KRA-21 antenna is worn, bent or damaged, immediately have your Kenwood authorized dealer replace the antenna with a new, properly adjusted KRA-21 antenna. Failure to follow these instructions may cause poor performance, damage to your transceiver, and may also place excess transmitter energy on the metal portions of your radio, which could make the transceiver uncomfortable to handle when transmitting. When transmitting, if your hand feels uncomfortable,

ANTENNA		EPL	LIST
KRA-21	Tunable VHF Low Band helical antenna 29.7-50MHz.	31.50	42.00

Note: Antenna band width is 1 MHz

Caution: the TK-190 antenna must be cut per the antennas cutting chart and instructions. Failure to do so will result in a poorly matched antenna, poor performance and most probably excessive and damage in the transmitters final power amplifier circuit.

BATTERIES AND CHARGERS		EPL	LIST
KNB-22N	2100 mAh, Ni-MH battery - requires KSC-24/KSC-24S charger	55.13	73.50
KNB-51NC	2100 mAh, Ni-MH battery - requires KSC-24/KSC-24S charger	85.50	114.00
[Intrinsically Safe Approved Accessory]			
KNB-52N	1400 mAh, Ni-MH battery	50.25	67.00
KBP-4	AA Alkaline Refillable Battery Pack (12 AA; 9V) cells not included	32.25	43.00
KSC-24S	110 volt Rapid rate single unit charger for KNB-20N/21N/22N/22NC/52N	46.50	62.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	129.75	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	143.25	191.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	63.00	84.00

TK-190

Table of Contents

Low Band VHF Portable Radio

CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	6.26	8.35
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-78B	Heavy duty leather carrying case	33.19	44.25
	for TK-190/290/390/5400 (Non DTMF keypad models)		
KLH-88	Cordura Nylon carrying case for TK-190/290/390/5400 (Non DTMF keypad models)	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-141	Extra Heavy-Duty Cordura Nylon carrying case	26.06	34.75
	for TK-190/290/390 (all battery packs; no keypad access)		
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics	39.38	52.50
KMC-25A	[Intrinsically Safe Approved Accessory] MIL-SPEC, Noise canceling Speaker mic	72.38	96.50
	[Intrinsically Safe Approved Accessory] Note: KMC-25 is not compatible with the TK-190 due to the effects of RF at low band frequencies; the KMC-25A is the compatible model. The KMC-26 Speaker microphone with antenna connector CANNOT be used due to the inadequate ground plane properties on a speaker microphone at low band frequencies (the TK-190 does not have		
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 [Intrinsically Safe 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]	276.00	368.00
OPTION MODULES		EPL	LIST
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-1618 for FleetSync® operations		
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-36XM	USB Programming interface cable	118.88	158.50
KPG-59DK	Windows® Program Software for TK-190/6110 (Version 2.00)	51.38	68.50
INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-20's/24's	11.25	15.00
L-837	Install KNB-21N/22N/22NC/51NC/52N battery	N/C	N/C
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	37.50	50.00
L-911	TK-190/TK-6110 Programming (with basic TX/RX check)	18.75	25.00
L-914	Cut KRA-21 Low Band Antenna	7.50	10.00
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	12.75	17.00
L-979	Configure TK-190 for Intrinsically Safe	52.50	70.00
	Must Order an I.S. Battery		
L-1060	80/90 PORTABLE KCT-57MS INSTALLATION (FOR FLEETSYNC)	15.00	20.00

TK-2170/3170

Compact VHF/UHF FM Portable Radios

[Table of Contents](#)

All 170 series portables include:

- Belt Clip (KBH-12)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

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

GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 4 W (450-490, 400-430 MHz) Models
- Conventional Zones
- 128 Channels / 128 Zones
- Single Priority Scan
- Single & Multi-Zone Scan
- List Scan
- 8 Character Alphanumeric Aliases
- Backlit LCD
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 3 Side PF Keys
- Orange Emergency / AUX Key
- 12-Key DTMF / PF Keypad Models
- 500 mW Audio Power
- Enhanced Kenwood Audio
- Companded Audio
- VOX Ready
- Voice Inversion Scrambler Built-in
- Encryption / ANI Board Control
- Easy Option Port (20-Pin)
- Emergency Call Features
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode

- Operator Selectable Tone
- DTMF Encode / Decode
- Special Alert Tone Pattern
- Call Key
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- Speaker Mic Options
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Field Programming & Tuning
- Cloning
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion
- Intrinsically Safe Option*

FleetSync®

- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages
- PC Serial Interface

--- Must Order **L-1000** for Intrinsically Safe Option ---

* 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.

RADIO		EPL	LIST
TK-2170K	136-174 MHz 5W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4-key	262.50	350.00
TK-2170K2	136-174 MHz 5W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4 + 12-key	300.00	400.00
TK-3170K	450-490 MHz 4W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4-key	275.25	367.00
TK-3170K4	450-490 MHz 4W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4 + 12-key	312.75	417.00
PACKAGES		EPL	LIST
TK-2170-SLKP	VHF Standard Slim Package (TK-2170K + KNB-55L + KSC-25SK + KRA-26M)	364.50	486.00
TK-2170-LKP	VHF Premium Package (TK-2170K + KNB-57L + KSC-25SK + KRA-26M)	393.00	524.00
TK-3170-SLKP	UHF Standard Slim Package (TK-3170K + KNB-55L + KSC-25SK + KRA-27M)	377.25	503.00
TK-3170-LKP	UHF Premium Package (TK-3170K + KNB-57L + KSC-25SK + KRA-27M)	405.75	541.00
Li-ion VALUE PACKAGES		EPL	LIST
TK-2170-SLKVP	VHF Li-ion Value Pack (TK-2170K + KNB-55L + KSC-25LSK + KRA-26M)	354.23	472.30
TK-2170-LKVP	VHF Hi-Cap Li-ion Value Pack (TK-2170K + KNB-57L + KSC-25LSK + KRA-26M)	382.73	510.30
TK-3170-SLKVP	UHF Li-ion Value Pack (TK-3170K + KNB-55L + KSC-25LSK + KRA-27M)	366.98	489.30
TK-3170-LKVP	UHF Hi-Cap Li-ion Value Pack (TK-3170K + KNB-57L + KSC-25LSK + KRA-27M)	395.48	527.30
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

TK-2170/3170

Table of Contents

Compact VHF/UHF FM Portable Radios

ANTENNAS, CON'T		EPL	LIST
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-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
BATTERIES AND CHARGERS		EPL	LIST
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	36.75	49.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	45.00	60.00
KNB-56N	1400 mAh, Ni-MH battery	48.75	65.00
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	73.50	98.00
KNB-68LC	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	84.00	112.00
	[Intrinsically Safe Option]		
KSC-25LSK	100~240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC Li-ion Battery	36.23	48.30
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC	46.50	62.00
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L/68LC	472.50	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.31	33.75
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	129.75	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	143.25	191.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	63.00	84.00
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
KLH-138	Heavy-Duty Leather Case w/Swivel Belt Loop for 160/170/173/360 (Non DTMF keypad)	36.75	49.00
KLH-139	Heavy-Duty Leather Case w/Swivel Belt Loop for 170/173 (w/ DTMF keypad)	36.75	49.00
KBH-12	Spring action belt clip	6.26	8.35
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	21.64	28.85
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-48GPS	GPS Speaker Microphone	198.75	265.00
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	64.50	86.00
	[Intrinsically Safe Approval Accessory]		
KMC-21	Compact speaker microphone	38.63	51.50
	[Intrinsically Safe Approval Accessory]		
KEP-1	3.5mm earphone kit for KMC-48GPS Speaker Mics	39.38	52.50
	[Intrinsically Safe Approval Accessory]		
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
	[Intrinsically Safe Approved Accessory]		
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory]	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory]	252.00	336.00
	[Intrinsically Safe Approved Accessory]		
KHS-7	Single muff headset w/boom mic	52.50	70.00
	[Intrinsically Safe Approval Accessory]		
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	78.75	105.00
	[Intrinsically Safe Approval Accessory]		
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25

TK-2170/3170

Table of Contents

Compact VHF/UHF FM Portable Radios

MICROPHONES & AUDIO ACCESSORIES, CONT		EPL	LIST
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00
OPTION MODULES		EPL	LIST
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) [Intrinsically Safe Approved Accessory]- Must be Kenwood installed for I.S. Order L-1609 for FleetSync® operations	16.50	22.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-101DNK	Windows® Programming Software for TK-2170/3170/3173 (Compliant with FCC Part 90 Narrowbanding) Note: Self-programming function is not available.	77.44	103.25
KPG-22UM	USB Programming interface cable	118.88	158.50
INSTALLATION / TUNING CHARGES		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-992	TK-2170/3170 Programming (with basic TX/RX check)	28.13	37.50
L-1000	Configure TK-2170/3170 for Intrinsically Safe Must Order an I.S. Battery	52.50	70.00
L-1609	170/173 Portable KCT-57MS Installation (for FleetSync®)	15.00	20.00

TK-3173

Table of Contents

UHF Trunking & Conventional Compact Portable Radio


All 173 series portables include:

- Belt Clip (KBH-12)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

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

GENERAL FEATURES

- 4 W, 450-490 MHz
- Conventional & LTR® Zones
- 8 Character Alphanumeric Aliases
- Backlit LCD
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 3 Side PF Keys
- Orange Emergency / AUX Key
- 500 mW Audio Power
- Enhanced Kenwood Audio
- Companded Audio
- Encryption / ANI Board Control
- Easy Option Port (20-Pin)
- Emergency Call Features
- Emergency Man-Down Option
- QT / DQT
- DTMF Encode / Decode
- Special Alert Tone Patterns
- Call Key
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Weather-sealed ACC Connector
- Speaker Mic Options
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Field Programming & Tuning
- Cloning

- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion
- Intrinsically Safe Option*

CONVENTIONAL ZONES

- 128 Channels / 128 Zones
- QT / DQT
- Two-Tone Decode
- Single / Two-Tone Encode
- Operator Selectable Tone
- Single Priority Scan
- Single & Multi-Zone Scan
- List Scan
- Voice Inversion Scrambler Built-in
- VOX Ready
- Battery Saver

TRUNKED ZONES

- 250 GID / 128 Zones
- Kenwood LTR® Features

FleetSync®

- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages
- PC Serial Interface

--- Must Order **L-1000** for Intrinsically Safe Option ---

* 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.

RADIO		EPL	LIST
TK-3173K	450-490 MHz 4W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4-key	299.25	399.00
TK-3173K4	450-490 MHz 4W, 128 CH / 128 Zone Conventional; 8 Character LCD, 4 + 12-key	336.00	448.00
Li-ion VALUE PACKAGES		EPL	LIST
TK-3173-SLKVP	Li-ion Value Pack (TK-3173K + KNB-55L + KSC-25LSK + KRA-27M)	390.98	521.30
TK-3173-LKVP	Hi-Cap Li-ion Value Pack (TK-3173K + KNB-57L + KSC-25LSK + KRA-27M)	419.46	559.30
PACKAGES		EPL	LIST
TK-3173-SLKP	Standard Slim Package (TK-3173K + KNB-55L + KSC-25SK + KRA-27M)	401.25	535.00
TK-3173-LKP	Premium Package (TK-3173K + KNB-57L + KSC-25SK + KRA-27M)	429.75	573.00
ANTENNAS		EPL	LIST
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	10.28	13.70
KRA-27M	UHF whip antenna 440-490 MHz	10.50	14.00
BATTERIES AND CHARGERS		EPL	LIST
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	36.75	49.00
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	45.00	60.00

TK-3173[Table of Contents](#)**UHF Trunking & Conventional Compact Portable Radio**

KNB-56N	1400 mAh, Ni-MH battery	48.75	65.00
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TK-3173

Table of Contents

UHF Trunking & Conventional Compact Portable Radio

BATTERIES AND CHARGERS, CON'T		EPL	LIST
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	73.50	98.00
KNB-68LC	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	84.00	112.00
	[Intrinsically Safe Option]		
KSC-25LSK	100-240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC Li-ion Battery	36.23	48.30
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC	46.50	62.00
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L/68LC	472.50	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.31	33.75
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	129.75	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	143.25	191.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	63.00	84.00
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
KLH-138	Heavy-Duty Leather Case w/Swivel Belt Loop for 160/170/173/360 (Non DTMF keypad)	36.75	49.00
KLH-139	Heavy-Duty Leather Case w/Swivel Belt Loop for 170/173 (w/ DTMF keypad)	36.75	49.00
KBH-12	Spring action belt clip	6.26	8.35
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	21.64	28.85
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-48GPS	GPS Speaker Microphone	198.75	265.00
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	64.50	86.00
	[Intrinsically Safe Approval Accessory]		
KMC-21	Compact speaker microphone	38.64	51.50
	[Intrinsically Safe Approval Accessory]		
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
	[Intrinsically Safe Approved Accessory]		
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	276.00	368.00
	Safe Approved Accessory]		
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	252.00	336.00
	Safe Approval Accessory]		
KHS-7	Single muff headset w/boom mic	52.50	70.00
	[Intrinsically Safe Approval Accessory]		
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	78.75	105.00
	[Intrinsically Safe Approval Accessory]		
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00
OPTION MODULES		EPL	LIST
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-1609 for FleetSync® operations.		

TK-3173

Table of Contents

UHF Trunking & Conventional Compact Portable Radio**SERVICE RELATED ACCESSORIES**

		EPL	LIST
KPG-101DNK	Windows® Programming Software for TK-2170/3170/3173 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25

*Note: Self programming function is not available.***INSTALLATION / TUNING CHARGES**

		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-993	TK-3173 Programming (with basic TX/RX check)	28.13	37.50
L-1001	Configure TK-3173 for Intrinsically Safe Must order an I.S. battery	52.50	70.00
L-1609	170/173 Portable KCT-57MS Installation (for FleetSync®)	15.00	20.00

TK-2360/3360

Table of Contents

Compact VHF/UHF FM Portable Radios



All 360 series portables include:

- Belt Clip (KBH-12)
- 2-PIN Connector Cap
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

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

GENERAL FEATURES

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

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

FleetSync®

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

MDC-1200

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

--- Must Order **L-1716** for Intrinsically Safe Option ---

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

RADIO		EPL	LIST
TK-2360K	136-174 MHz 5W, 16 CH Conventional	146.85	195.80
TK-3360K	450-520 MHz 5W, 16 CH Conventional	158.78	211.70
TK-3360K2	400-470 MHz 5W, 16 CH Conventional	158.78	211.70
Li-ion VALUE PACKAGES		EPL	LIST
TK-2360-SLKVP	VHF Li-ion Value Pack (TK-2360K + KNB-55L + KSC-25LSK + KRA-26M)	249.98	333.30
TK-2360-LKVP	VHF Hi-Cap Li-ion Value Pack (TK-2360K + KNB-57L + KSC-25LSK + KRA-26M)	278.48	371.30
TK-3360-SLKVP	UHF Li-ion Value Pack (TK-3360K + KNB-55L + KSC-25LSK + KRA-27M)	262.35	349.80
TK-3360-LKVP	UHF Hi-Cap Li-ion Value Pack (TK-3360K + KNB-57L + KSC-25LSK + KRA-27M)	290.85	387.80
PACKAGES		EPL	LIST
TK-2360-SLKP	VHF Standard Slim Package (TK-2360K + KNB-55L + KSC-25SK + KRA-26M)	260.25	347.00
TK-2360-LKP	VHF Premium Package (TK-2360K + KNB-57L + KSC-25SK + KRA-26M)	288.75	385.00
TK-3360-SLKP	UHF Standard Slim Package (TK-3360K + KNB-55L + KSC-25SK + KRA-27M)	272.63	363.50
TK-3360-LKP	UHF Premium Package (TK-3360K + KNB-57L + KSC-25SK + KRA-27M)	301.13	401.50
SGS US I.S. APPROVED MODELS		EPL	LIST
Must Order L-1716 & an Intrinsically Safe Battery per radio			
TK-2360-ISK	136-174 MHz 5W, 16 CH Conventional	158.25	211.00
TK-3360-ISK	450-520 MHz 5W, 16 CH Conventional	170.63	227.50
TK-3360-ISK2	400-470 MHz 5W, 16 CH Conventional	170.63	227.50

TK-2360/3360

Compact VHF/UHF FM Portable Radios

Table of Contents

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-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-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
BATTERIES AND CHARGERS		EPL	LIST
KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	36.75	49.00
KNB-68LC	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	84.00	112.00
	[Intrinsically Safe Option]		
KNB-55L	1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	45.00	60.00
KNB-56N	1400 mAh, Ni-MH battery	48.75	65.00
KNB-57L	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	73.50	98.00
KSC-25LSK	100-240 volt rapid rate single unit charger for KNB-40LC(V)/55L/57L/68LC Li-ion Battery	36.23	48.30
KSC-25SK	110 volt Rapid rate single unit charger for KNB-26N/40LC(V)/55L/56N/57L/68LC	46.50	62.00
KSC-256K	Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L/68LC	472.50	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.31	33.75
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers (chargers not included)	129.75	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers (chargers not included)	143.25	191.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	63.00	84.00
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
KLH-138	Heavy-Duty Leather Case w/Swivel Belt Loop for 160/170/173/360 (Non DTMF keypad)	36.75	49.00
KBH-12	Spring action belt clip	6.26	8.35
KBH-13DS	Leather swivel belt loop with portable D-Ring attachment	21.64	28.85
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-48GPS	GPS Speaker Microphone [Intrinsically Safe Approval Accessory]	198.75	265.00
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack) [Intrinsically Safe Approval Accessory]	64.50	86.00
KMC-21	Compact speaker microphone [Intrinsically Safe Approval Accessory]	38.63	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic [Intrinsically Safe Approval Accessory]	39.38	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approval Accessory]	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approval Accessory]	252.00	336.00
KHS-7	Single muff headset w/boom mic [Intrinsically Safe Approval Accessory]	52.50	70.00

TK-2360/3360

Compact VHF/UHF FM Portable Radios

Table of Contents

MICROPHONES & AUDIO ACCESSORIES, CONT

		EPL	LIST
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT [Intrinsically Safe Approval Accessory]	78.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00

OPTION MODULES

		EPL	LIST
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) [Intrinsically Safe Approved Accessory] - Must be Kenwood installed for I.S. Order L-1679 for FleetSync® operations	16.50	22.00

SERVICE RELATED ACCESSORIES

		EPL	LIST
KPG-128DNK	Windows® Programming Software for TK-2360/3360 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-22UM	USB Programming interface cable	118.88	158.50

INSTALLATION / TUNING CHARGES

		EPL	LIST
L-836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-1678	TK-2360/3360 Programming (with basic TX/RX check)	28.13	37.50
L-1679	TK-2360/3360 Portable KCT-57MS Installation (for FleetSync®/MDC)	15.00	20.00
L-1716	Configure TK-2360/3360 for Intrinsically Safe Must Order an I.S. Battery	52.50	70.00

TK-2312/3312

Table of Contents

VHF/UHF Conventional Portable Radios



All 312 series portables include:

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

* All Accessories / options: 1 Year

GENERAL FEATURES

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

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

FleetSync®

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

MDC-1200

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

RADIO		EPL	LIST
TK-2312K	136-174 MHz VHF 5W, 128 Ch. [1]	262.50	350.00
TK-3312K	450-520 MHz UHF 5W, 128 Ch. [2]	262.50	350.00
TK-3312K2	400-470 MHz UHF 5W, 128 Ch. [2]	262.50	350.00
ANTENNAS		EPL	LIST
KRA-16M	VHF stubby antenna 148-162 MHz	10.28	13.70
KRA-16M2	VHF stubby antenna 162-174 MHz	10.28	13.70
KRA-16M3	VHF stubby antenna 136-150 MHz	10.28	13.70
KRA-17M	UHF stubby antenna 450-490 MHz	10.28	13.70
KRA-17M2	UHF stubby antenna 470-512 MHz	10.28	13.70
KRA-17M3	UHF stubby antenna 403-430 MHz	10.28	13.70
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-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
BATTERIES AND CHARGERS		EPL	LIST

TK-2312/3312

Table of Contents

VHF/UHF Conventional Portable Radios

KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/E/SK charger	47.25	63.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	56.25	75.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	27.56	36.75
BATTERIES AND CHARGERS, CON'T		EPL	LIST
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L Li-ion battery	23.63	31.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.53	36.70
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) Note: The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	156.38	208.50
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.53	36.70
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	6.26	8.35
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-178	Heavy duty leather carrying case for TK-2312/3312	33.19	44.25
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-48GPS	GPS Speaker Microphone	198.75	265.00
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	64.50	86.00
KMC-21	Compact speaker microphone	38.63	51.50
KEP-1	3.5mm earphone kit for KMC-48GPS Speaker Mics	39.38	52.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	252.00	336.00
KHS-7	Single muff headset w/boom mic	52.50	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	78.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-22UM	USB Programming interface cable	118.88	158.50
KPG-134DNK	Windows® Programming Software for TK-2312/3312 (Compliant with FCC Part 90 Narrowbanding) Note: Self programming function is not available	77.44	103.25
INSTALLATION / TUNING CHARGES		EPL	LIST
L-1688	TK-2312/3312 Programming (with basic TX/RX check)	28.13	37.50

TK-2400K2/3400K2

Table of Contents

VHF/UHF Conventional Portable Radios



All 400 series portables include:

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

* All Accessories / options: 1 Year

GENERAL FEATURES

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

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

FleetSync®

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

MDC-1200

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

RADIO		EPL	LIST
TK-2400K2	136-174 MHz VHF 2W, 16 Ch.	181.88	242.50
TK-3400K2	450-520 MHz UHF 2W, 16 Ch.	193.73	258.30

ANTENNAS		EPL	LIST
KRA-41M	VHF stubby antenna 148-162 MHz	10.28	13.70
KRA-41M2	VHF stubby antenna 162-174 MHz	10.28	13.70
KRA-41M3	VHF stubby antenna 136-150 MHz	10.28	13.70
KRA-42M	UHF stubby antenna 440-490 MHz	10.28	13.70
KRA-42M2	UHF stubby antenna 470-520 MHz	10.28	13.70
KRA-22M	VHF low profile antenna 148-162 MHz	10.28	13.70
KRA-22M2	VHF low profile 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 antenna 450-490 MHz	10.28	13.70
KRA-23M2	UHF low profile antenna 470-520 MHz	10.28	13.70
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

BATTERIES AND CHARGERS		EPL	LIST
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	47.25	63.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	56.25	75.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	27.56	36.75
KSC-35SK	110-220 volt Fast rate single unit charger for KNB-45L/69L	23.63	31.50
KSC-43K	110-220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.53	36.70

TK-2400K2/3400K2

VHF/UHF Conventional Portable Radios

Table of Contents

KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) Note: The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. <small>Dimensions: 10.6000" x 3.4400" x 0.5000" inches. Weight: approx. 10 lbs. /loaded with chargers/adapters.</small>	156.38	208.50
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BATTERIES AND CHARGERS, CONT		EPL	LIST
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.53	36.70

CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	6.26	8.35
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-187	Nylon case for TK-*200/*202/*300/*302/*400/*402 Series	11.03	14.70

MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-48GPS	GPS Speaker Microphone	198.75	265.00
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	64.50	86.00
KMC-21	Compact speaker microphone	38.63	51.50
KEP-1	3.5mm earphone kit for KMC-48GPS Speaker Mics	39.38	52.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancel boom mic /in-line PTT	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT	252.00	336.00
KHS-7	Single muff headset w/boom mic	52.50	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	78.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00

SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-22UM	USB Programming interface cable	118.88	158.50
KPG-160DK	Windows® Programming Software for TK-2400/3400	77.44	103.25

INSTALLATION / TUNING CHARGES		EPL	LIST
L-1757	TK-2400/3400 Programming (with basic TX/RX check)	28.13	37.50

ProTalk**TK-2400V16P/3400U16P**

Table of Contents

VHF/UHF BRS Portable Radios**GENERAL FEATURES**

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

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

All 400P series portables include:

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

* All Accessories / options: 1 Year

RADIO		EPL	LIST
TK-2400V16P	151-159 MHz VHF 2W, 16 Ch.	198.00	264.00
TK-3400U16P	451-470 MHz UHF 2W, 16 Ch.	206.25	275.00
ANTENNAS		EPL	LIST
KRA-41M	VHF stubby antenna 148-162 MHz	10.28	13.70
KRA-42M	UHF stubby antenna 440-490 MHz	10.28	13.70
KRA-22M	VHF low profile antenna 148-162 MHz	10.28	13.70
KRA-23M	UHF low profile antenna 450-490 MHz	10.28	13.70
KRA-26M	VHF helical antenna 146-162 MHz	10.50	14.00
KRA-27M	UHF whip antenna 440-490 MHz	10.50	14.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	47.25	63.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	56.25	75.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	27.56	36.75
KSC-35SK	110~220 volt Fast rate single unit charger for KNB-45L/69L	23.63	31.50
KSC-43K	110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.53	36.70
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included)	156.38	208.50
Note: The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. Dimensions: 10.6(W) x 2.4(H) x 9.5(D) inches, Weight: approx. 10 lbs. (loaded with chargers/radios)			
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.53	36.70

ProTalk**TK-2400V16P/3400U16P**

Table of Contents

VHF/UHF BRS Portable Radios

CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	6.26	8.35
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-187	Nylon case for TK-*200/*202/*300/*302/*400/*402 Series	11.03	14.70
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancel boom mic /in-line PTT	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT	252.00	336.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00
KHS-7	Single muff headset w/boom mic	52.50	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	78.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KMC-21	Compact speaker microphone	38.63	51.50
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	64.50	86.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-22UM	USB Programming interface cable	118.88	158.50
KPG-160DK	Windows® Programming Software for TK-2400/3400	77.44	103.25

-- NOTES --

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

TK-2402V/3402U

Table of Contents

VHF/UHF Conventional Portable Radios



All 402 series portables include:

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

* All Accessories / options: 1 Year

GENERAL FEATURES

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

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

FleetSync®

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

MDC-1200

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

RADIO		EPL	LIST
TK-2402VK	136-174 MHz VHF 5W, 16 Ch.	206.25	275.00
TK-3402UK	450-520 MHz UHF 5W, 16 Ch.	218.10	290.80
ANTENNAS		EPL	LIST
KRA-41M	VHF stubby antenna 148-162 MHz	10.28	13.70
KRA-41M2	VHF stubby antenna 162-174 MHz	10.28	13.70
KRA-41M3	VHF stubby antenna 136-150 MHz	10.28	13.70
KRA-42M	UHF stubby antenna 440-490 MHz	10.28	13.70
KRA-42M2	UHF stubby antenna 470-520 MHz	10.28	13.70
KRA-22M	VHF low profile antenna 148-162 MHz	10.28	13.70
KRA-22M2	VHF low profile 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 antenna 450-490 MHz	10.28	13.70
KRA-23M2	UHF low profile antenna 470-520 MHz	10.28	13.70
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
BATTERIES AND CHARGERS		EPL	LIST
KNB-45L	2000 mAh, Li-ion battery - requires KSC-35K/SK charger	47.25	63.00
KNB-69L	2550 mAh, Li-ion battery - requires KSC-35K/SK charger	56.25	75.00
KNB-29N	1500 mAh, NiMH battery - requires KSC-43K charger	27.56	36.75
KSC-35SK	110-220 volt Fast rate single unit charger for KNB-45L/69L	23.63	31.50
KSC-43K	110-220 volt Fast rate single unit charger for KNB-29N/45L/69L	27.53	36.70

TK-2402V/3402U

Table of Contents

VHF/UHF Conventional Portable Radios

KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers (chargers not included) Note: The six KSC-xx AC wall Adapters are NOT used in the KMB-28 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters.	156.38	208.50
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.53	36.70
CARRYING ACCESSORIES		EPL	LIST
KBH-10	Spring action belt clip	6.26	8.35
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-187	Nylon case for TK-*200/*202/*300/*302/*400/*402 Series	11.03	14.70
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KMC-48GPS	GPS Speaker Microphone	198.75	265.00
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	64.50	86.00
KMC-21	Compact speaker microphone	38.63	51.50
KEP-1	3.5mm earphone kit for KMC-48GPS Speaker Mics	39.38	52.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancel boom mic /in-line PTT	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT	252.00	336.00
KHS-7	Single muff headset w/boom mic	52.50	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	78.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-22UM	USB Programming interface cable	118.88	158.50
KPG-159DNK	Windows® Programming Software for TK-2402VK/3402UK (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
INSTALLATION / TUNING CHARGES		EPL	LIST
L-1756	TK-2402VK/3402UK Programming (with basic TX/RX check)	28.13	37.50

ProTalk

TK-3230DX

UHF BRS Portable Radios

Table of Contents

**XLS series portable includes:**

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

* All Accessories / options: 1 Year

GENERAL FEATURES

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

RADIO		EPL	LIST
TK-3230DXK	450-470 MHz UHF 1.5W or 500 mW, 6 Ch. Portable Transceiver	168.75	225.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-46L	Li-Ion battery (Same as supplied with TK-3230DXK)	35.44	47.25
KSC-37S	Li-Ion Rapid rate charger (Same as supplied with TK-3230DXK)	23.63	31.50
KMB-27	Six Unit Charger Adapter for the KSC-28/37/37S chargers (chargers not included) Note: The six KSC-xx AC wall Adapters are NOT used in the KMB-27 installation A supplied in-line AC-DC switching power supply with six DC plugs supply the six installed KSC-xx charger bases. This unit is lower profile and less weight than similar Kenwood six unit charger adapters. Dimensions: 10.6(W) x 2.4(H) x 9.5(D) inches. Weight: approx. 10 lbs. (loaded with	156.38	208.50
CARRYING ACCESSORIES		EPL	LIST
KBH-14M	Spring action belt clip (Same as supplied with TK-3230DXK)	7.01	9.35
KLH-150	Nylon case for TK-3230/TK-3230DX (Black)	11.03	14.70
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KEP-2	2.5mm earphone kit for KMC-17/45D Speaker Mic [KEP-2 & KMC-21 are not plug-compatible]	39.38	52.50
KHS-10-BH	Hvy-duty behind-the-headset w/noise cancelling boom mic & in-line PTT	276.00	368.00
KHS-10-OH	Hvy-duty over-the-headset w/noise cancelling boom mic & in-line PTT	252.00	336.00
KHS-7	Single muff headset w/boom mic	52.50	70.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT	78.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire head band)	30.75	41.00
KHS-26	Clip Mic w/earphone	21.00	28.00
KHS-27A	D-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00
KMC-45D	MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)	64.50	86.00
KMC-21	Compact speaker microphone	38.63	51.50

ProTalk**TK-3230DX**
UHF BRS Portable Radios[Table of Contents](#)**INSTALLATION / TUNING CHARGES**

		<i>EPL</i>	<i>LIST</i>
L-1077	Change Channel to other frequencies or program TK-3230DX	18.75	25.00

-- NOTES --

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

ProTalk**PKT-23**

Table of Contents

UHF BRS Portable Radios**LT series portable includes:**

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

* All Accessories / options: 1 Year

GENERAL FEATURES

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

RADIO		EPL	LIST
PKT-23K	451-470 MHz UHF 1.5W or 500 mW, 4 Ch. Ultra Compact Portable	131.25	175.00
BATTERIES AND CHARGERS		EPL	LIST
KNB-71L	Li-Ion battery (Same as supplied with PKT-23K)	18.75	25.00
KSC-44K	Li-Ion Fast rate charger/AC Power Supply (Same as supplied with PKT-23K)	18.75	25.00
KMB-44K	Six Unit Charging Cup and Multi-AC Adapter (Charging Cups not included)	125.25	167.00
CARRYING ACCESSORIES		EPL	LIST
KBH-20M	Belt Clip (Same as supplied with PKT-23K & bulk PKT-23BKP)	7.01	9.35
MICROPHONES & AUDIO ACCESSORIES		EPL	LIST
KHS-33	Clip Mic w/earphone single pin (only compatible with PKT-23)	21.00	28.00
KHS-34	C-Ring Ear Hanger w/PTT & Mic single pin (only compatible with PKT-23)	26.25	35.00
INSTALLATION / TUNING CHARGES		EPL	LIST
L-1773	Change channel to other frequencies or program PKT-23	18.75	25.00

-- NOTES --

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

TK-690/790/890

VHF/UHF FM Mobile Radios

Table of Contents



All 90 BK series mobiles include:

- RF Deck Only
(Configuration Set & Assembly Labor Code must be order for a Complete Mobile.)
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

Important Information (TK-890; UHF)

* The lowest receive channel spread range is the factory default tuning if not otherwise specified. Refer to the table (right); order L-850 (no charge) and specify receive spread at the time of ordering. Out of range orders cannot be accepted.

* TX Power is derated at 470-480 MHz for TK-890HBK:
- 450-469 MHz (100 W)
- 470-480 MHz (75 W)

GENERAL FEATURES

- 45W & 110W (148-174 MHz)
- 40W (450-490, 480-512 MHz)
- 100W-75W (450-480 MHz)
- 110W (29.7-37.0, 35.0-43.0, 39.0-50.0 MHz)
- 160 Channels
- Dual Priority Scan
- Single / Multi Group Scan
- QT / DQT
- Operator Selectable Tone
- Two-Tone Decode1
- DTMF Encode/ Decode / Stun
- Encryption / ANI Board Control
- Emergency Call Features
- Companded Audio
- Intercom
- Public Address
- Time Out Timer
- Busy Channel Lockout
- Ignition Sense
- Timed Power Off
- DB-25 Accessory Connector
- 7 Programmable AUX Inputs
- 6 Programmable AUX Outputs
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Panel Tuning
- Cloning
- MIL-STD-810 C/D/E/F/G
- MIL-Spec Noise-Cancel Mic (included)
- MIL-Spec 12-Key DTMF Mic Option

FleetSync®

- PTT ID Digital ANI
- Emergency Status

MOUNTING CONFIGURATIONS

- Dash Mount
- Single Head Remote Mount
- Dual Head Remote Mount
- Dual Band Remote Mount
- Dual Head / Dual Band Remote Mount

FRONT PANELS / CONTROL HEADS

- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Function/Status LCD Icons
- Transmit LED
- Busy, Call Alert, Warn LED
- LCD Dimmer Control
- Power On/Off Switch
- Rotary Volume Knob
- Rotary Selector Knob
- Backlit Keys
- PF Key Label Inserts
- Microphone Jack
- MILSTD 810 512.X Driven Rain

KCH-10 FRONT PANEL

- 8-Character Alphanumeric Aliases
- 5 PF Keys
- UP/DOWN Keys
- Built-in Front Speaker

KCH-11 FRONT PANEL

- 14-Character Alphanumeric Aliases
- 13 PF Keys
- UP/DOWN Keys
- External Speaker Required

Model	RF Deck Freq. Range	RX Ch. Spread	TX Ch. Spread
TK-890BK/K	450-490	20 MHz	40 MHz
	Factory Default:	450-470	450-490
	Order L-850:	460-480	450-490
		470-490	450-490
TK-890BK2	480-512	20 MHz	32 MHz
	Factory Default:	480-500	480-512
	Order L-850:	492-512	480-512
TK-890HBK	450-480	20 MHz	30 MHz
	Factory Default:	450-470	450-480
	Order L-850:	460-480	450-480

RADIO

		EPL	LIST
TK-690HBK	29.7-37.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	803.25	1,071.00
TK-690HBK2	35.0-43.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	803.25	1,071.00
TK-690HBK3	39.0-50.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	803.25	1,071.00
TK-790BK	148-174 MHz, 45W, 160 Channels (R.F. DECK ONLY)	575.25	767.00
TK-790HBK	148-174 MHz, 110W, 160 Channels (R.F. DECK ONLY)	929.25	1,239.00
TK-890BK	450-490 MHz, 40W, 160 Channels (R.F. DECK ONLY)	614.25	819.00
TK-890HBK	450-480 MHz, 100/75W, 160 Channels (R.F. DECK ONLY)	969.00	1,292.00

TK-690/790/890

VHF/UHF FM Mobile Radios

[Table of Contents](#)

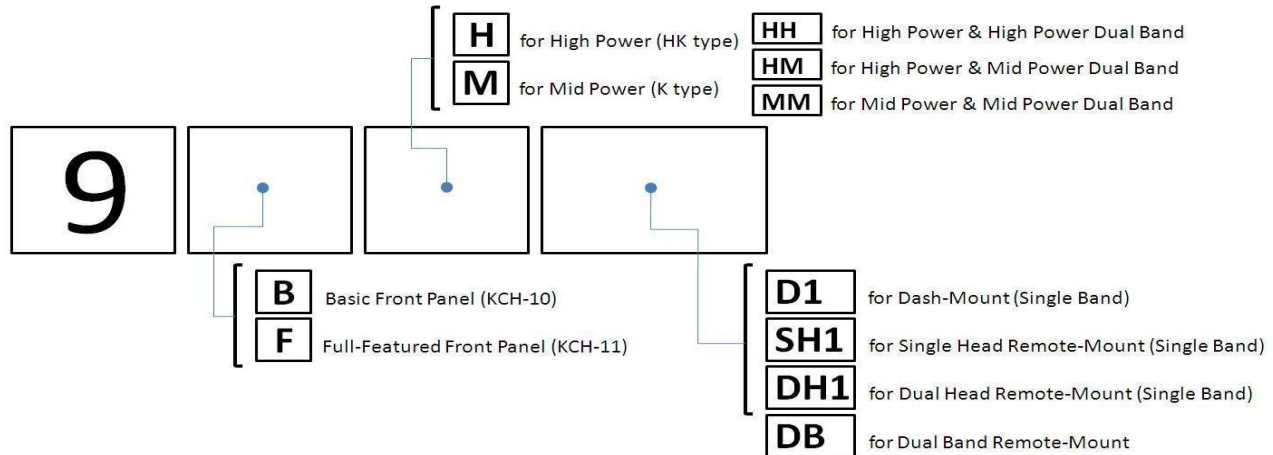
TK-690/790/890

VHF/UHF FM Mobile Radios

Table of Contents

ACCESSORY CONFIGURATION SETS

CONFIGURATION SET DEFINITIONS



Note: All KCH-10 / Basic Control Head configurations are shipped with the control heads 4W internal speaker enabled. Order L-891 to enable the 13W external speaker output for KES-5 speaker use. This will disconnect the control heads internal 4W speaker!

Note: Order an L labor code for each model if factory packaging is required:

L-846 Package Dash/Single Head Remote*

L-847 Package Dual Head Remote

L-848 Package Dual Band Remote

L-849 Package Dual Band Dual Head Remote

(* TK-790K/890K are pre-packaged & fully assembled: basic front, medium power, dash mount mobiles. No need to use the assembly labor code L-846.)

Single Band Dash Mount		EPL	LIST
9BHD1	KCH-10, KCT-23M2, KMB-9, KMC-27	244.88	326.50
9BMD1	KCH-10, KCT-23M, KMB-5, KMC-27	222.38	296.50
9FHD1	KCH-11, KCT-23M2, KMB-9, KMC-27, KES-5	353.83	471.75
9FMD1	KCH-11, KCT-23M, KMB-5, KMC-27, KES-5	331.31	441.75
Single Band Single Head Remote Mount		EPL	LIST
9BHSH1	KCH-10, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27	423.00	564.00
9BMSH1	KCH-10, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27	398.06	530.75
9FHSH1	KCH-11, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27, KES-5	531.94	709.25
9FMSH1	KCH-11, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27, KES-5	507.00	676.00
Single Band Dual Head Remote Mount		EPL	LIST
9BHDH1	KCH-10(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2)	753.00	1,004.00
9BMDH1	KCH-10(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2)	728.06	970.75
9FHDH1	KCH-11(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2), KES-5(x2)	970.88	1,294.50
9FMDH1	KCH-11(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2), KES-5(x2)	945.94	1,261.25
Dual Band Single Head Remote Mount		EPL	LIST
9BHHDH1	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	571.13	761.50
9BHMDH1	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	546.19	728.25
9BMMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	521.25	695.00
9FHHDH1	KCH-11, KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	680.06	906.75
9FHMDH1	KCH-11, KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3/KCT-23M4, KMB-5/KMB-9	655.13	873.50
9FMMDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	630.19	840.25
Dual Band Dual Head Remote Mount		EPL	LIST
9BBHH	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2)	838.13	1,117.50

TK-690/790/890[Table of Contents](#)**VHF/UHF FM Mobile Radios**

9BBHM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9	813.19	1,084.25
9BBMM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2)	788.25	1,051.00

TK-690/790/890

VHF/UHF FM Mobile Radios

Table of Contents

Dual Band Dual Head Remote Mount, CON'T		EPL	LIST
9FFHH	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2), KES-5(x2)	1,056.00	1,408.00
9FFHM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9, KES-5(x2)	1,031.06	1,374.75
9FFMM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2), KES-5(x2)	1,006.13	1,341.50
FRONT PANELS & REMOTE KITS (Order Configuration Sets for full install accessories)		EPL	LIST
KCH-10	Basic Control Panel	110.25	147.00
KCH-11	Full Featured Control Panel	173.25	231.00
KRK-5	Single Control Head Remote Mount Kit	110.25	147.00
KRK-6DH	Dual Control Head Remote Mount Kit	189.00	252.00
KRK-7DB	Dual Band Control Head Remote Mount Kit	196.88	262.50
KRK-8DBH	Dual Band Dual Head Remote Mount Kit	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 (35/45W Dash mount)	23.63	31.50
KCT-23M2	DC Cable (75/110W Dash mount)	29.06	38.75
KCT-23M3	DC Cable (35/45W Remote mount)	26.06	34.75
KCT-23M4	DC Cable (75/110W 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 (35W/45W 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	Rugged standard microphone with noise canceling, MIL-STD and driven rain features	78.00	104.00
KMC-28	DTMF microphone (MIL-SPEC, Noise canceling)	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-44DNK	Windows® Programming Software for TK-690/790/890 (Compliant with FCC Part 90 Narrowbanding)	51.38	68.50

TK-690/790/890

VHF/UHF FM Mobile Radios

Table of Contents

INSTALLATION / TUNING CHARGES		EPL	LIST
L-846	Package Dash/Single Head Remote for 90-series mobiles	12.75	17.00
L-847	Package Dual Head Remote for 90-series mobiles	25.50	34.00
L-848	Package Dual Band Remote for 90-series mobiles	25.50	34.00
L-849	Package Dual Band Dual Head Remote for 90-series mobiles	37.50	50.00
L-850	Tune TK-890 receiver channel spread (20 MHz max.); specify receive spread	N/C	N/C
L-854	90 Mobile Programming (with basic TX/RX check)	22.50	30.00
L-858	Modify 90-series mobile Single Band (Single Head) Mobile for Pyramid Vehicular Repeater	56.25	75.00
L-859	Modify 90-series mobile Single Band (Dual Head) Mobile for Pyramid Vehicular Repeater	56.25	75.00
L-861	Install Horn Alert output relay for 90-series mobiles (1 amp max.)	52.50	70.00
L-862	--- Part #S76-0407-05 Relay incl.		
	Install Key Inserts for 90-series mobiles	11.25	15.00
Note: For new radio tune orders only. Installs only the included KCH-10/11 key inserts. Must specify keys and placement (see Service Manuals for placement diagram, pg. 14). Also, see Service Manuals for technical details (pg. 14). Other Key Inserts are available from Parts Dept. See the "Service Related Accessories" section of the 90-series mobiles price pages for more information.			
L-864	KCT-22A 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. For either type control head (KCH-10/11), it is recommended that the 13W audio output modification be implemented to drive extended cable runs and a KES-5 external speaker be used. Refer to the service manual pg. 15-17 for 13W modifications. Installing new radio firmware (hex files) via the KPG-44D software nor checking the firmware "checksum" is not possible through an extended control head cable. A standard KCT-22 cable of 25 ft. or less should be used when this has to be done. Normal KPG-44D radio parameter programming is possible at extended KCT-22A Extended Control Head Cable (up to 100 ft. max.)			
L-865		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. For either type control head (KCH-10/11), it is recommended that the 13W audio output modification be implemented to drive extended cable runs and a KES-5 external speaker be used. Refer to the service manual pg. 15-17 for 13W modifications. Installing new radio firmware (hex files) via the KPG-44D software nor checking the firmware "checksum" is not possible through an extended control head cable. A standard KCT-22 cable of 25 ft. or less should be used when this has to be done. Normal KPG-44D radio parameter programming is possible at extended KCT-22A Extended Control Head Cable (up to 100 ft. max.)			
L-866	KCT-23A-K2 Two Conductor 75/110W High Power DC Cable (2 Conductor: 1x23 ft. positive, 1x23 ft. negative; AWG #10)	56.25	75.00
Note: This cable substitutes for the ff: DC Cables: --> 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			
L-867	Jumper foil for SB to pin 14 of accessory connector for 90-series mobile (Ref. 90-Series Mobile Service Manual, page 17/18)	18.75	25.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	37.50	50.00
L-883	Modify 90-series mobile for KCT-18	18.75	25.00
L-891	External speaker modification for 90-series mobile Control Head (13W)	7.50	10.00
L-903	R640 mic input modification for 90-series mobile	12.75	17.00
L-910	Install firmware 094F (90-series mobile * and # DTMF without PTT)	12.75	17.00
Note: The firmware 094F gives the 90-series mobile the ability to generate a DTMF tone from the * and # keys without pushing the PTT button.			
L-912	90-Series mobile low imp. mic. Input at RF deck	7.50	10.00
L-917	EXT PTT / Local KMC-27 mic disable	12.75	17.00
Purpose: Disables the KMC-27 mobile hand mic element when 90-series mobile external PTT is active. For use with data modems, GPS AVL data units, headset systems (motorcycles, ambulance, fire engines), vehicle intercom			
L-921	Modify 90-series mobile Dual Band (Single Head) for Pyramid Vehicular Repeater	56.25	75.00
L-922	Modify 90-series mobile Dual Band (Dual Head) for Pyramid Vehicular Repeater	56.25	75.00

NEXEDGE®

NX-700/800

Table of Contents

VHF/UHF Digital & FM Analog Mobile Radios**All NX series mobiles include:**

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

* All Accessories / options: 1 Year

* TX Power is derated at 490-512 MHz

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

GENERAL FEATURES

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

DIGITAL – GENERAL

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

DIGITAL CONVENTIONAL MODE

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

DIGITAL TRUNKING MODE

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

DIGITAL - MULTI-SITE IP NETWORKSNEXEDGE Generation1 System

- 48site Trunked IP Network
- Auto Roaming Registration
- Group Registration

NEXEDGE Generation1 System Bridge

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

NEXEDGE Generation2 System (option)

- 1,152 sites Wide Area System
- Direct Frequency Assignment

SCAN

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

ANALOG MODES - GENERAL

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

MPT ZONES (option)

- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II (FM)

- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200

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

MODEL		EPL	LIST
NX-700K	136-174 MHz 30W, 512 CH / 128 Zone	543.75	725.00
NX-700HK	136-174 MHz 50W, 512 CH / 128 Zone	637.50	850.00
NX-800K	450-520 MHz 30W, 512 CH / 128 Zone	543.75	725.00
NX-800K2	400-470 MHz 30W, 512 CH / 128 Zone	543.75	725.00
NX-800HK	450-520 MHz 45W, 512 CH / 128 Zone	637.50	850.00
NX-800HK2	400-470 MHz 45W, 512 CH / 128 Zone	637.50	850.00
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

NEXEDGE®

NX-700/800[Table of Contents](#)**VHF/UHF Digital & FM Analog Mobile Radios**

KRK-10	Remote Control Kit (a remote control cable (23 ft) is included)	78.75	105.00
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NEXEDGE®

NX-700/800

Table of Contents

VHF/UHF Digital & FM Analog Mobile Radios

MOBILE INSTALLATION ACCESSORIES, CON'T

		EPL	LIST
KRK-13	Dual Control Head Kit (a control head, remote cables, and KMC-35 microphone included) Note: some operations have limitations. Please refer to Application Note avlb. on Kenwood Tools. Order: L-1776 if installation is required.	719.25	959.00

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 Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.00	48.00
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-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.00
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 Note: requires KAP-2 (PA/HA unit) installed	45.94	61.25

FIRMWARE OPTIONS

		EPL	LIST
KWD-P25C	P25 Flash upgrade; NX-200/300/700/800 Must order L-1663 Note: KWD-P25C will be Kenwood factory installed only (units must be returned for upgrade)	594.00	792.00

SOFTWARE & USB OPTIONS

		EPL	LIST
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division (1-800-TRUNKING1)	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
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Must order L-1812 for factory installation, or L-1813 for field-upgrade option Note: MPT Firmware and EPL do NOT compatible. MPTs will be available on 3Q FY2016.	12.75	17.00
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without ESN . KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes KPG-97USB software for activating radios. Note: - Must order L-1819. - Must purchase KWD-NX2G-10 seperately. - KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order. - KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders. - KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.	N/C	N/C

OPTION MODULES

		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1830 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1).	637.50	850.00

NEXEDGE®

NX-700/800

Table of Contents

VHF/UHF Digital & FM Analog Mobile Radios

OPTION MODULES, CONT

		EPL	LIST
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1831 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1)	412.50	550.00

FleetSync® & NEXEDGE® AVL & MESSAGING

		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; Refer to 180/NX-Series In-depth Technical Manuals for mobile installation.	46.50	62.00
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync & NEXEDGE AVL Note: • Conventional & LTR operation • NEXEDGE® Conventional & Trunking operation • Requires GA25 MCX GPS antenna • Refer to 180/NX-Series & KAS-10 In-Depth Technical Manuals for installation, programming & KAS-10 software setup. Refer to www.garmin.com for GPS-15L-W technical specifications.	97.69	130.25
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch Note: - Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft® MapPoint®2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for details. NEXEDGE Conventional Trunking and DMR System supported.	325.50	434.00

SERVICE RELATED ACCESSORIES

		EPL	LIST
KPG-46XM	USB Programming interface cable	118.88	158.50
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-163DNK	Programming software for NX-200/300/700/800 with PassPort/NEXEDGE Options Installed (12.5 /6.25 CH bandwidths only) • Programs NEXEDGE, PassPort®, LTR & analog Conventional modes. • Not for use on a standard NEXEDGE radios. KPG-111DNK must be installed in PC prior to installing KPG-163DNK	123.75	165.00
PGM-NX-PP	PassPort ESN Generator device for NX-200/300/700/800 Note: PGM-NX-PP is stocked in minimum quantities. Please anticipate a minimum of 30 day lead time and call order desk to verify availability. • The TK-x180 PassPort ESN Generator device is NOT compatible for NX-x00 ESN loads. • The PGM-NX-PP requires older KPG-36AM (portable) & KPG-46AM (mobile) radio program interface cables with	150.00	200.00

INSTALLATION / TUNING CHARGES

		EPL	LIST
L-1085	NX-700/800 Programming (with basic TX/RX check)	28.13	37.50
L-1094	Install KAP-2 (Default) HR1/Internal Sp./PA	18.75	25.00
L-1098	Install Garmin GPS15XL-W in NX-Series mobile for FleetSync® AVL	75.00	100.00
L-1099	Assemble NX-700/800/900/901 with KRK-10 Remote Kit	31.50	42.00
L-1663	NX-700/800 P25 Conventional Software Upgrade Must order a KWD-P25C firmware option	N/C	N/C
L-1743	Install PassPort-Classic / NEXEDGE option in NX- 200/300/700/800 • Order one per radio • KPG-163DNK required to program radio	60.00	80.00
L-1744	Install PassPort-Enhanced / NEXEDGE Option in NX- 200/300/700/800 • Order one per radio • KPG-163DNK required to program radio	81.26	108.35
L-1830	Install KWD-AE30K in NX-700/800/900/901 series Mobile (Must purchase module separately)	56.25	75.00
L-1831	Install KWD-AE31K in NX-700/800/900/901 series Mobile (Must purchase module separately)	56.25	75.00

NEXEDGE®

NX-700/800[Table of Contents](#)**VHF/UHF Digital & FM Analog Mobile Radios**

L-1745	Field Retrofit PassPort-Classic / NEXEDGE option for NX-200/300/700/800 (order one option per the number of ESNs required) <ul style="list-style-type: none">• ESN activation file with ordered number of ESNs and firmware will be shipped on a CD ROM. Allow 15 business days ARO.• KPG-163DNK required to program radio• Requires PGM-NX-PP PassPort ESN Generator device	60.00	80.00
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NEXEDGE®	<h1>NX-700/800</h1> <h2>VHF/UHF Digital & FM Analog Mobile Radios</h2>	Table of Contents
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INSTALLATION / TUNING CHARGES		EPL	LIST
L-1746	Field Retrofit PassPort-Enhanced / NEXEDGE Option for NX-200/300/700/800 orders (order option one per the number of ESNs required) • ESN activation file with ordered number of ESNs and firmware will be shipped on a CD ROM. Allow 15 business days ARO. • KPG-163DNK required to program radio • Requires PGM-NX-PP PassPort ESN Generator device	81.26	108.35
L-1776	Assemble NX-700/800/900/901 with KRK-13 Dual Remote Kit	31.50	42.00
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	N/C	N/c
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00
MPT FIRMWARE/ACCESSORIES/TUNING		EPL	LIST
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) Note: - Must order L-1727 for Network Level License ID & programming privileges. - Gen2 Enhanced Option (KWD-NX2G-10) for MPT will be available on 30 EY2016	77.44	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order L-1729 Note: Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	50.03	66.70
L-1726	Install MPT option in NX series radio	18.75	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	118.75	158.33
L-1728	Retrofit Install of MPT option in NX series radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. Note: see NX series MPT Introduction Sales Bulletin for details	63.75	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	N/C	N/C

-- 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:

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NEXEDGE®

NX-700/800[Table of Contents](#)**VHF/UHF Digital & FM Analog 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

NEXEDGE®

NX-740HV/840HU

Table of Contents

VHF/UHF Digital & FM Analog Mobile Radios**All NX-x40 series mobiles include:**

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

* All Accessories / options: 1 Year

GENERAL FEATURES

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

DIGITAL COMMON

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

DIGITAL CONVENTIONAL MODE

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

DIGITAL – TYPE-D TRUNKING MODE *

- Individual Call
- Group Call & All Group Call
- Emergency Call
- Paging Call
- Transmission Trunked Mode
- Late Entry
- ESN Validation
- Status Messaging

* Hardware Version 2.0 can be available.**SCAN**

- Single Zone Scan
- Single Priority Scan

ANALOG MODE - GENERAL

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

FleetSync®

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

MDC-1200

- PTT ID ANI
- Emergency, Radio Check & Inhibit

MODEL		EPL	LIST
NX-740HVK	136-174 MHz VHF 50W, 16 Ch / 2 Zones	326.25	435.00
NX-840HUK	450-520 MHz UHF 45W, 16 Ch / 2 Zones	326.25	435.00
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	21.75	29.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.28	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft)	32.81	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	31.50	42.00
KMB-10	Key lock adapter	19.73	26.30
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 Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.00	48.00
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-key DTMF (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 KCT-60M installed.	45.94	61.25

NEXEDGE®

NX-740HV/840HU

Table of Contents

VHF/UHF Digital & FM Analog Mobile Radios

FleetSync® & NEXEDGE® AVL & MESSAGING		EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for NEXEDGE/FleetSync AVL Note: • Conventional operation only. • Requires GA25 MCX GPS antenna. • Refer to www.garmin.com for GPS-15XL-W technical specifications.	97.69	130.25
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
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-46XM	USB Programming interface cable	118.88	158.50
KPG-175DNK	Windows® Programming Software for NX-740HV840HU	77.44	103.25
TYPE-D TRUNKING ACTIVATION/TUNING		EPL	LIST
KWD-NXD40K	Type-D Trunking Option. Must order L-1800 or L-1801 . Note: Compatible with firmware version 3.00 or later. Only Hardware Version 2.0 can be available.	7.50	10.00
L-1800	Factory Activation of Type-D Trunking Option.	N/C	N/C
L-1801	Type-D Trunking Option FIELD-UPGRADE. To place an order, please complete the NEXEDGE Type-D Field Upgrade Form available on Kenwood Tools under Forms. Required information includes the exact model #s and serial number for each radio to be updated.	N/C	N/C
INSTALLATION / TUNING CHARGES		EPL	LIST
L-1778	NX-740H/840H Programming (with basic TX/RX check)	28.13	37.50
L-1779	Install Garmin GPS15XL-W in NX-x40 Series mobile Note: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.	75.00	100.00

NEXEDGE®

NX-900/901

Table of Contents

800/900 MHz Digital & FM Analog Mobile Radios**NX-900 mobile includes:**

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

* All Accessories / options: 1 Year

GENERAL FEATURES

- 15W (806-870 MHz) Model
- 15W (896-941 MHz) Model
- 512 CH-GID / 128 Zones
- Dash & Remote Mount
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio
- DB-25 Accessory Connector
- 9 Programmable AUX I/Os
- 2 Programmable AUX Outputs
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- GPS Receiver Option

DIGITAL – GENERAL

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

DIGITAL CONVENTIONAL MODE

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

DIGITAL TRUNKING MODE

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

DIGITAL - MULTI-SITE IP NETWORKSNEXEDGE Generation1 System

- 48site Trunked IP Network
- Auto Roaming Registration
- Group Registration

NEXEDGE Generation1 System Bridge

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

NEXEDGE Generation2 System (option)

- 1,152 sites Wide Area System
- Direct Frequency Assignment

SCAN

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

ANALOG MODES - GENERAL

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

MPT ZONES (option)

- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II (FM)

- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200

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

* 800 MHz model only.

MODEL		EPL	LIST
NX-900K	806-870 MHz 15W, 512 CH / 128 Zone	746.25	995.00
NX-901K	896-941 MHz 15W, 512 CH / 128 Zone	746.25	995.00
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
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-1776 if installation is required.			

NEXEDGE®		NX-900/901		Table of Contents	
800/900 MHz Digital & FM Analog Mobile Radios					
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 (mobile mounting hardware included)	36.00	48.00		
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-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.00		
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 Note: requires KAP-2 (PA/HA unit) installed.	45.94	61.25		
SOFTWARE & USB OPTIONS		EPL	LIST		
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]	412.50	550.00		
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	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		
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Must order L-1812 for factory installation, or L-1813 for field-upgrade option Note: MPT Firmware and EPL do NOT compatible. MPTs will be available on 3Q FY2016	12.75	17.00		
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without ESN . KWD-LIC-USB stores KWD-NX2G-10 options which are purchased separately and includes KPG-97USB software for activating radios. Note: - Must order L-1819. - Must purchase KWD-NX2G-10 separately. - KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order. - KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders. - KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.	N/C	N/C		
OPTION MODULES		EPL	LIST		
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1830 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1).	637.50	850.00		
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1831 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1)	412.50	550.00		
FleetSync® & NEXEDGE® AVL & MESSAGING		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; Refer to 180/NX-Series In-depth Technical Manuals for mobile installation.	46.50	62.00		

NEXEDGE®

NX-900/901

Table of Contents

800/900 MHz Digital & FM Analog Mobile Radios

FleetSync® & NEXEDGE® AVL & MESSAGING, CON'T		EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync & NEXEDGE AVL Note: • Conventional & LTR operation. • NEXEDGE® Conventional & Trunking operation. • Requires GA25 MCX GPS antenna. • Refer to 180/NX-Series & KAS-10 In-Depth Technical Manuals for installation, programming & KAS-10 software setup. Refer to www.garmin.com for GPS-15L-W technical specifications.	97.69	130.25
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch Note: - Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft® MapPoint® 2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for details. NEXEDGE Gen2, Trunking and BMD System not supported.	325.50	434.00
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901 (Compliant with FCC Part 90 Narrowbanding).	77.44	103.25
KPG-46XM	USB Programming interface cable	118.88	158.50
INSTALLATION / TUNING CHARGES		EPL	LIST
L-1094	Install KAP-2 (Default) HR1/Internal Sp./PA	18.75	25.00
L-1098	Install Garmin GPS15XL-W in NX-Series mobile for FleetSync® AVL	75.00	100.00
L-1099	Assemble NX-700/800/900/901 with KRK-10 Remote Kit	31.50	42.00
L-1687	NX-700/800/900/901 Flow Control Modification	45.00	60.00
L-1692	NX-900/901 Programming (with basic TX/RX check)	28.13	37.50
L-1776	Assemble NX-700/800/900/901 with KRK-13 Dual Remote Kit	31.50	42.00
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	N/C	N/C
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00
L-1830	Install KWD-AE30K in NX-700/800/900/901 series Mobile (Must purchase module separately)	56.25	75.00
L-1831	Install KWD-AE31K in NX-700/800/900/901 series Mobile (Must purchase module separately)	56.25	75.00
MPT FIRMWARE/ACCESSORIES/TUNING		EPL	LIST
KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) Note: - Must order L-1727 for Network Level License ID & programming privileges. Gen2 Enhanced Option (KWD-NX2G-10) for MPT will be available on 30.EY.2016	77.44	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order L-1729 Note: Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	50.03	66.70
L-1726	Install MPT option in NX series radio	18.75	25.00
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	118.75	158.33
L-1728	Retrofit Install of MPT option in NX series radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. Note: see NX series MPT Introduction Sales Bulletin for details.	63.75	85.00

NEXEDGE®

NX-900/901[Table of Contents](#)**800/900 MHz Digital & FM Analog Mobile Radios**

L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately)	N/C	N/C
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NEXEDGE®**NX-920G**

Table of Contents

800 MHz Digital & FM Analog Mobile Radios**All NX-x20 series mobiles include:**

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

* All Accessories / options: 1 Year

GENERAL FEATURES

- 15W (806-870 MHz) Model
- 260 CH-GID / 128 Zones
- 10 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function/Status LCD Icons
- Transmit/Busy/Call Alert/Warn LED
- Blue Function/Status LED
- On/Off Power Control
- 4 Up/Down Selectors
- 6 Front PF Keys
- Emergency/AUX Key
- 4W Speaker Audio
- Zone / CH Number Voice Announcement
- DB-15 Accessory Connector
- 6 Programmable AUX I/Os
- KPG-141D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- IP-54 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input
- Transparent Data Mode
- Built-in GPS Receiver

DIGITAL GENERAL

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill
- Remote Check
- Short & Long Data Messages
- GPS Location with Voice
- NXDN® Scrambler Included

DIGITAL CONVENTIONAL MODE

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

DIGITAL TRUNKING MODE

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

DIGITAL - MULTI-SITE IP NETWORKSNEXEDGE Generation1 System

- 48site Trunked IP Network
- Auto Roaming Registration
- Group Registration

NEXEDGE Generation1 System Bridge

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

NEXEDGE Generation2 System (option)

- 1,152 sites Wide Area System
- Direct Frequency Assignment

SCAN

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

FM MODES - GENERAL

- 25 & 12.5 kHz Channels
- NPSPEC Channels
- Conventional & LTR® or MPT Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT (Conventional Zones Only)
- Voice Inversion Scrambler (16 Codes)

MPT ZONES*

- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

FleetSync®/II (FM)

- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages

MDC-1200

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

MODEL		EPL	LIST
NX-920GK	806-870 MHz 15W, 260 CH / 128 Zone	646.50	862.00
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.28	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft)	32.81	43.75
KCT-60M	DB15-to-15pin Molex Adapter Cable	21.75	29.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	31.50	42.00
KMB-10	Key lock adapter	19.73	26.30
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 Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.00	48.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00
MICROPHONES AND SPEAKERS		EPL	LIST

NEXEDGE®		NX-920G		Table of Contents
800 MHz Digital & FM Analog Mobile Radios				
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-key DTMF (8-pin mod. plug)	70.88	94.50	
MICROPHONES AND SPEAKERS, CON'T		EPL	LIST	
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.00	
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 Note: requires KCT-60M installed.	45.94	61.25	
SOFTWARE OPTIONS		EPL	LIST	
KPG-150AP	NEXEDGE OTAP Manager Windows Software. • License Includes 10 radios / 1 Serial Port* • To add more radios/serial ports, you must contact Kenwood Systems Division	412.50	550.00	
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Must order L-1812 for factory installation, or L-1813 for field-upgrade option Note: MPT Firmware and FPU do NOT compatible. MPTs will be available on 3Q FY2016 .	12.75	17.00	
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without ESN . KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes KPG-97USB software for activating radios. Note: - Must order L-1819. - Must purchase KWD-NX2G-10 seperately. - KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order. - KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders. - KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.	N/C	N/C	
FleetSync® & NEXEDGE® AVL & MESSAGING		EPL	LIST	
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch Note: - Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft® MapPoint®2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spec sheets and manuals for details.	325.50	434.00	
KRA-40GM	GPS Antenna	31.50	42.00	
SERVICE RELATED ACCESSORIES		EPL	LIST	
KPG-141DNK	Windows® Programming Software for NX-220/320/420/720/820/920 (Compliant with FCC Part 90 Narrowbanding).	77.44	103.25	
KPG-46XM	USB Programming interface cable	118.88	158.50	
INSTALLATION / TUNING CHARGES		EPL	LIST	
L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	118.75	158.33	
L-1751	NX-720HG/820HG/920G Programming (with basic TX/RX check)	28.13	37.50	
L-1812	Install Gen2 Enhanced Option in NX series radio (Must purchase KWD-NX2G-10 separately)	18.75	25.00	
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE (Must purchase KWD-NX2G-10 separately)	N/C	N/C	
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	93.75	125.00	
MPT FIRMWARE/ACCESSORIES/TUNING		EPL	LIST	

NEXEDGE®

NX-920G

Table of Contents

800 MHz Digital & FM Analog Mobile Radios

KPG-143DNK	Windows® Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) Note: - Must order L-1727 for Network Level License ID & programming privileges. Gen2 Enhanced Option (KWD-NX2G-10) for MPT will be available on 3Q FY2016	77.44	103.25
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio Must order L-1729 Note: Refer to NX series MPT Price Pages. Not compatible with any other firmware options. Radio does not retain LTR trunking features once the MPT option is installed.	50.03	66.70

MPT FIRMWARE/ACCESSORIES/TUNING, CON'T

		EPL	LIST
L-1726	Install MPT option in NX series radio	18.75	25.00
L-1728	Retrofit Install of MPT option in NX series radio For previously purchased NX series radios. Order L-1728 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1728 provided by order desk & copy of company P.O. or P.O. number. Note: NX series MPT installation Color Bulletin for details	63.75	85.00
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE (Must purchase KWD-NX10MPT separately).	N/C	N/C



TK-D740HV/840HU

VHF/UHF Digital & FM Analog Mobile Radios

Table of Contents

**All 40 series DMR mobiles include:**

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

** All Accessories / options: 1 Year

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

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

GENERAL FEATURES

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

DIGITAL COMMON

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

DIGITAL CONVENTIONAL MODE

- Individual & Group Selective Call
- Conventional IP Networks

SCAN

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

ANALOG MODE - GENERAL

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

FleetSync®

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

*1 Status Message for FleetSync is **NOT** supported.

*2 Please see important notice in the GPS15XL-W.

MODEL		EPL	LIST
TK-D740HVK	136-174 MHz VHF 50W, 16 Ch / 2 Zones	326.25	435.00
TK-D840HUK	450-520 MHz UHF 45W, 16 Ch / 2 Zones	326.25	435.00
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	21.75	29.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.28	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft)	32.81	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	31.50	42.00
KMB-10	Key lock adapter	19.73	26.30
CONTROL STATION INSTALLATION ACCESSORIES		EPL	LIST
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) Note: Available for Analog only. NOT compatible with Digital (TDMA) operations.	64.50	86.00
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series).	36.00	48.00
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-key DTMF (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 KCT-60M installed	45.94	61.25
FleetSync® & NEXEDGE® AVL & MESSAGING		EPL	LIST



TK-D740HV/840HU

VHF/UHF Digital & FM Analog Mobile Radios

[Table of Contents](#)

GPS15XL-W	Garmin Internal GPS Receiver Board for DMR/FleetSync® AVL	97.69	130.25
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Important Notice:

Firmware version 1.2 or later to use GPS functions require to be updated WITHOUT a GPS Receiver initially. Once firmware is updated 1.2 or later, it may be allowed any firmware version up with installed GPS Receiver. Please see Dealer Tools under support for the detail.

Note:

- Conventional operation only
- Requires GA25 MCX GPS antenna
- Refer to www.garmin.com for GPS-15XL-W technical specifications.

FleetSync® & NEXEDGE® AVL & MESSAGING, CON'T		EPL	LIST
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GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W	46.50	62.00
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Note: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.

SERVICE RELATED ACCESSORIES		EPL	LIST
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KPG-46XM	USB Programming interface cable	118.88	158.50
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KPG-166DNK	Windows® Programming Software for TK-D240V/340U/740HV/840HU	77.44	103.25
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INSTALLATION / TUNING CHARGES		EPL	LIST
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L-1799	TK-D740HV/840HU Programming (with basic TX/RX check)	28.13	37.50
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L-1834	Install Garmin GPS15XL-W in TK-Dx40 Series mobile	75.00	100.00
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Note: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.

TK-7180/8180

[Table of Contents](#)

VHF/UHF Trunking & Convention Mobile Radios



All 180 series mobiles include:

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

* All Accessories / options: 1 Year

* TX Power is derated at 490-512 MHz

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

GENERAL FEATURES

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

CONVENTIONAL ZONES

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

TRUNKED ZONES

- 512 GID / 128 Zones
- Kenwood LTR® Features

FleetSync®

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

MPT ZONES (option)

- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

MDC-1200

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

MODEL		EPL	LIST
TK-7180K	136-174 MHz 30W, 512 CH / 128 Zone CONV-& LTR	439.50	586.00
TK-7180HK	136-174 MHz 50W, 512 CH / 128 Zone CONV-& LTR	538.50	718.00
TK-8180K	450-520 MHz 30W, 512 CH / 128 Zone CONV-& LTR	453.00	604.00
TK-8180HK	450-520 MHz 45W, 512 CH / 128 Zone CONV-& LTR	551.25	735.00
TK-8180K2	400-470 MHz 30W, 512 CH / 128 Zone CONV-& LTR	453.00	604.00
TK-8180HK2	400-470 MHz 45W, 512 CH / 128 Zone CONV-& LTR	551.25	735.00
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KAP-2	Horn Alert/P.A. Relay Option Note: For MPT, HA operates in Trunked Mode only.	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
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 Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.00	48.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak).	129.75	173.00

TK-7180/8180

Table of Contents

VHF/UHF Trunking & Convention Mobile Radios

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-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.00
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.			
FleetSync® MOBILE DATA TERMINAL		EPL	LIST
KPG-71DK	Windows® Programming Software for KDS-100	77.44	103.25
KCT-40M	Radio Interface Cable for KGP-2A/2B & KDS-100	21.75	29.00
KCT-36	Extension Cable for KCT-34/35/39/40M; 117.6 inches (9.8 ft)	32.81	43.75
FleetSync® MESSAGING		EPL	LIST
KAS-2FSD	FleetDispatchPRO: FleetSync® messaging dispatch software for PC	288.00	384.00
Note:			
• TK-7180/8180 base mobile requires a DB-25 PC serial cable to connect to the base computer (purchase aftermarket separately).			
• Supports FleetSync® PTT ID, Emergency, Status/Text Messaging for all FleetSync compatible portables & mobiles.			
• KDS-100 fleet units are compatible with the KAS-2FSD FleetSync calling & messaging features.			
• Refer to KAS-2FSD spec sheet for detailed features & requirements.			
FleetSync® AVL & MESSAGING		EPL	LIST
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch	325.50	434.00
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.			
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL	97.69	130.25
Note:			
• Conventional & LTR operation only			
• Requires GA25 MCX GPS antenna			
• Option: Order L-1022 for Kenwood Logo Base Installation.			
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; Refer to 180/NX-Series In-Depth Technical Manuals for mobile installation.			
FIRMWARE OPTIONS		EPL	LIST
KWD-180MPT	MPT Trunking Field Upgrade Kit for 180-Series	32.81	43.75
Must order L-1620			
Note: Refer to 180-Series MPT Price Pages and 180-Series MPT In-Depth Technical Manuals for feature details (available from technical support). Not compatible with any other firmware options			
Radio does not retain all normal 180-Series conventional or LTR trunking features once the MPT option is			
KWD-180TFS	TFS-- Tactical Feature Set-- Field Upgrade Kit for 180-Series	78.75	105.00
Must order L-1625			
Note: Refer to 180-Series "Tactical Feature Set" In-Depth Technical Manual for feature details (available from technical support). Not compatible with any other firmware options.			
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-46XM	USB Programming interface cable	118.88	158.50
KPG-89DNK	Windows® Programming Software for TK-2180/3180/7180/8180 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
Note: Self-programming & Tactical Feature Set* functions are not available.			
* KPG-89DK is required for Tactical Feature Set. KPG-89DK is no longer supported or distributed by			

TK-7180/8180

[Table of Contents](#)

VHF/UHF Trunking & Convention Mobile Radios

TK-7180/8180

Table of Contents

VHF/UHF Trunking & Convention Mobile Radios

INSTALLATION / TUNING CHARGES		EPL	LIST
L-965	TK-7180/8180 Programming (with basic TX/RX check)	28.13	37.50
L-966	Install KAP-2 (Default) HR1/Internal Sp./PA	18.75	25.00
L-968	Assemble TK-7180/8180 with KRK-10 Remote Kit	31.50	42.00
L-1010	Install KAP-2 (External Sp.) HR1/External Sp./PA	18.70	25.00
L-1033	Install Garmin GPS15XL-W in 180-Series mobile for FleetSync® AVL	75.00	100.00
	Note: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.		
L-1052	TK-7180/8180 TFS INSTALLATION	75.00	100.00
	Note: KPG-89DK is required to program the TFS (Tactical Feature Set). KPG-89DK is no longer supported or distributed by Kenwood. TFS will not work with KPG-89DNK.		
L-1620	180 Portable KWD-180MPT FIELD-UPGRADE (Must purchase KWD-180MPT separately)	N/C	N/C
L-1625	180 Portable KWD-180TFS FIELD-UPGRADE (Must purchase KWD-180TFS separately)	N/C	N/C
MPT FIRMWARE/ACCESSORIES/TUNING		EPL	LIST
KMC-32	Standard mobile microphone with 16-key DTMF (8-pin mod. plug)	52.50	70.00
KPG-96DNK	Windows® Programming Software for 180-Series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included)	77.44	103.25
	Note: Must order L-1013 for Network Level License ID & programming privileges.		
L-1012	Install MPT option in 180-Series radio	12.50	16.67
L-1013	Network Level License ID for KPG-96D(N) 180-Series Programmer	118.75	158.33
L-1014	Retrofit Install of MPT option in 180-Series radio (for previously purchased 180-Series radios.) Order L-1014 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1014 provided by order desk & copy of company P.O. or P.O. number. Note: Only certain Serial Number Lots produced in late 2004 and later can be retrofitted - see 180-Series MPT Introduction Sales Bulletin for details.	63.75	85.00

TK-7360HV/8360HU v2.0

VHF/UHF Trunking & Convention Mobile Radios

Table of Contents

**All 360 series mobiles include:**

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

* All Accessories / options: 1 Year

GENERAL FEATURES

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

CONVENTIONAL ZONES

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

TRUNKED ZONES

- 128 GID / 128 Zones
- Kenwood LTR® Feature

FleetSync® /II (FM)

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

MDC-1200

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

MODEL		EPL	LIST
TK-7360HV/K	136-174 MHz 50W, 128 CH / 128 Zone CONV-& LTR	325.65	434.20
TK-8360HUK	450-520 MHz 45W, 128 CH / 128 Zone CONV-& LTR	337.50	450.00
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	21.75	29.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.28	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft)	32.81	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	31.50	42.00
KMB-10	Key lock adapter	19.73	26.30
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 Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.00	48.00
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-key DTMF (8-pin mod. plug)	70.88	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.00
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 KCT-60M installed.			

TK-7360HV/8360HU v2.0

VHF/UHF Trunking & Convention Mobile Radios

[Table of Contents](#)

TK-7360HV/8360HU v2.0

VHF/UHF Trunking & Convention Mobile Radios

Table of Contents

FleetSync® AVL		EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL Note: • Conventional operation only • Requires GA25 MCX GPS antenna • Refer to www.garmin.com for GPS-15L-W technical specifications.	97.69	130.25
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
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-135DNK	Windows® Programming Software for TK-7360/8360	77.44	103.25
KPG-46XM	USB Programming interface cable	118.88	158.50

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

TK-7302HV/8302HU

VHF/UHF Convention Mobile Radios

[Table of Contents](#)

All 302 series mobiles include:

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

* All Accessories / options: 1 Year

GENERAL FEATURES

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

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

FleetSync® /II (FM)

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

MDC-1200

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

MODEL		EPL	LIST
TK-7302HV	136-174 MHz 50W, 16 CH / 2 Zone Conventional	255.00	340.00
TK-8302HU	450-520 MHz 45W, 16 CH / 2 Zone Conventional	266.85	355.80
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KCT-60M	DB15-to-15pin Molex Adapter Cable	21.75	29.00
KCT-18	Ignition sense cable (requires KCT-60M Acc. Cable Option)	10.28	13.70
KCT-36	Extension Cable for KCT-34/35/39/40M/60M; 117.6 inches (9.8 ft)	32.81	43.75
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	31.50	42.00
KMB-10	Key lock adapter	19.73	26.30
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 Supply and Portables (excludes TK-5x10/6110 series). (mobile mounting hardware included)	36.00	48.00
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-key DTMF (8-pin mod. plug)	70.88	94.50
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.00
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 KCT-60M installed.

TK-7302HV/8302HU

VHF/UHF Convention Mobile Radios

[Table of Contents](#)

FleetSync® AVL		EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL Note: • Conventional operation only. • Requires GA25 MCX GPS antenna. • Refer to www.garmin.com for GPS-15L-W technical specifications.	97.88	130.25
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
SERVICE RELATED ACCESSORIES		EPL	LIST
KPG-46XM	USB Programming interface cable	118.88	158.50
KPG-124DNK	Windows® Programming Software for TK-7302/8302 (Compliant with FCC Part 90 Narrowbanding).	77.44	103.25

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

TK-6110

Compact Low Band Mobile Radio

Table of Contents



All 6110 series mobiles include:

- Standard Microphone (KMC-27B)
- Mounting Bracket
- DC Cable (KCT-23M)
- Instruction Manual
- Standard Warranty: 2 Years*

* All Accessories / options: 1 Year

GENERAL FEATURES

- 70 W (29.7-37.0, 35.0-50.0 MHz)
- 32 Channels
- Single Priority Scan
- 8 Character Alphanumeric LCD
- 3 Digit Sub-Display and Icons
- Transmit / Busy / Call Alert / Warn LED
- Up/Down Channel Selector
- Volume Knob
- Power On/Off Button
- 7 Programmable Radio Keys
- Front Panel Speaker
- Noise Blanker Function
- Encryption / ANI Board Control
- Emergency Call Features
- QT/DQT Encode & Decode
- Operator Selectable Tone
- Two Tone Decode
- DTMF Encode & Decode
- Time Out Timer
- Busy Channel Lockout
- 15 Pin Accessory Connector
- MIL-Spec / Noise-Cancel Microphone
- M-Type Antenna Connector
- Ignition Sense
- Timed Power Off
- Horn Alert
- Cloning
- PC Programming & Tuning
- MIL-STD-810 C/ D/ E

IMPORTANT NOTICE [Power/Bandwidth vs. VSWR]

1. The TK-6110 mobiles output power will be significantly reduced with VSWR = 1.5 or greater.

TK-6110 Output Power Performance (nominal; transmission line losses not included).

VSWR	Output Power
1.2 or less	70W or more
1.3-1.5	60W or more
More than 1.5	60W or less

TK-6110K

Frequency	Bandwidth
29.7MHz	0.4MHz (+/-0.20MHz)
33.0MHz	0.4MHz (+/-0.20MHz)
37.0MHz	1.0MHz (+/-0.50MHz)

TK-6110K2

Frequency	Bandwidth
35.0MHz	1.0MHz (+/-0.5MHz)
40.0MHz	1.8MHz (+/-0.9MHz)
50.0MHz	1.8MHz (+/-0.9MHz)

2. The TK-6110 design eliminates the need for the following accessories typical of Kenwood compact mobiles:

- KCT-19: 15-pin accessory connector is built in.
- KAP-1: the Horn Alert output is provided on the 15-pin connector (see service manual for maximum current rating).

Audio Power: 3W internal speaker / 10W external speaker (KES-5).

FleetSync® is not available for the TK-6110.

MODEL		EPL	LIST
TK-6110K	VHF Low Band 29.7 – 37.0 MHz 70W, 32 Channels	591.00	788.00
TK-6110K2	VHF Low Band 35.0 – 50.0 MHz 70W, 32 Channels	591.00	788.00
CABLES		EPL	LIST
KCT-18	Ignition sense cable	10.28	13.70
MOBILE INSTALLATION ACCESSORIES		EPL	LIST
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	31.50	42.00
MICROPHONES AND SPEAKERS		EPL	LIST
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
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.00
KES-5	Ext. speaker, 40W max input; blk., case, 5"x5"x2-9/16"	45.94	61.25
Note: plugs into TK-6110 6-pin molex acc. conn.			
MISCELLANEOUS ITEMS		EPL	LIST
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00

TK-6110[Table of Contents](#)**Compact Low Band Mobile Radio****SERVICE RELATED ACCESSORIES**

		<i>EPL</i>	<i>LIST</i>
KPG-46XM	USB Programming interface cable	118.88	158.50
KPG-59DK	Program Software for TK-190/6110 (Version 2.00)	51.38	68.50

INSTALLATION / TUNING CHARGES

		<i>EPL</i>	<i>LIST</i>
L-911	TK-190/TK-6110 Programming (with basic TX/RX check)	18.75	25.00