

Mississippi EPL 3744 Price Pages



LAND MOBILE RADIO PRICE GUIDE

December 2017 Edition



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TK-3230DX

PKT-23



Radio Series		Programmi Cost	ng Installation Cost
Naulo Selles	PORTABLES	0031	0031
NX-5200/5300	TONTABLES	\$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-2300/3300 TK-2312/3312		\$50.00 \$50.00	N/A
TK-2312/3312 TK-2400/3400		\$30.00 \$25.00	N/A
TK-2400/3400 TK-2400VP/3400UP		\$25.00 \$25.00	N/A
TK-2400VP/34000P		·	N/A N/A
		\$25.00	N/A N/A
TK-3230DX		\$25.00	
PKT-23	MOBILES	\$25.00	N/A
NV 5700/5000/5000		\$75.00	\$75.00
NX-5700/5800/5900	Single Band/Dash Mount	·	\$125.00
NX-5700/5800/5900 NX-5700/5800/5900	Single Band/Single Head Remote		\$175.00 \$175.00
NX-5700/5800/5900	Single Band/Dual Head Remote	\$75.00	\$200.00
	Dual Deck/Single Head Single Sp		\$200.00
NX-5700/5800/5900	Dual Deck/Single Head Dual Spec		•
NX-5700/5800/5900	Dual Deck/Dual Head Single Spec		\$225.00
NX-5700/5800/5900	Dual Deck/Dual Head Dual Speak		\$225.00
NX-5700/5800/5900	Triple Deck/Single Head Single S		\$250.00
NX-5700/5800/5900	Triple Deck/Single Head Triple Sp		\$250.00
NX-5700/5800/5900	Triple Deck/Dual Head Single Spe		\$250.00
NX-5700/5800/5900	Triple Deck/Dual Head Triple Spe		\$275.00
TK-690/790/890	Dash Mount	\$75.00	\$75.00
TK-690/790/890	Single Band Single Head Remote		\$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
TKD740HV/840HU	Dash Mount	\$75.00	\$75.00
TK-7180/8180	Dash Mount Page	e 3 of 132 \$7 5 ! 66 ra	mming - Installation Cost

Kenwood LMR	Two Way Radio Express Products List (EPL) 3744		Dec 2017	
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

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VHF/UHF Digital & FM Analog Portable Radios



<Standard Key Model >

<Full Key Model >

All NX-5000 series portables include:

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

All Accessories / options: 1 Year

Purchase Battery, Charger, Antenna separately

*Note: 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), following frequencies (and ±10kHz ranges) are not allowed;

- 144.0000 • 384.0000 • 460.8000 • 403.2000 • 480 0000 • 147.4560
- 153.6000422.4000 • 499.2000 • 432.0000 • 518.4000
- 172.0325 • 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 caes must be used.

STANDARD

■ GENERAL FEATURES

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

 Active Noise Reduction (ANR)
- KPG-D1N Windows® FPU
- · Flash Firmware Upgrading • MIL-STD-810 C/D/E/F/G
- IP67/68 Immersion
- Color Housing Option

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

■ DIGITAL - NXDN® MODE

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

■ DIGITAL – DMR MODE

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

■ ANALOG MODE

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

OPTIONAL

■ GENERAL FEATURES

- 4000 Channel (<u>KWD-5000CH</u> License Key Activation required)
 Front Panel Programming (<u>KWD-5001FP</u> License Key Activation required)
- microSD/microSDHC Memory Card Slot (<u>KWD-5002SD</u> License Key Activation required)
 Built-in Bluetooth® Module for Data (<u>KWD-5003BT</u> 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 (<u>KWD-5100CV</u> License Key Activation required)
- Phase 1 Trunking Features (<u>KWD-5100CV</u> & <u>5101TR</u> License Keys Activation required)
 Phase 2 Trunking Features (<u>KWD-5100CV</u> & <u>5101TR</u> & <u>5102TR</u> License Keys Activation required)
- Conventional OTAR (<u>KWD-5103RK</u> 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))

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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 APPROV	ED 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 PROGRAM	MING UNIT (FPU)	EPL	LIST
KPG-D1NK	License Key for KPG-D1NK	116.25	155.00
	Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1/10)		
	Note: Requires KPT-300LMC for authentication		

- 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 P	ROGRAMMING (OTAP)	EPL	LIST
KPG-180AP	OTAP Manager Software (Windows® Vista/7/8/8.1/10)	663.00	884.00
	• License includes Fifty (50) radios / One(1) NXDN Conventional and Type-C Air Communication Profile and		

One(1) NXDN Conventional and Type-C IP Communication Profile

Note:

- Requires KPT-300LMC for authentication
- Radio to Radio OTAP for P25 Conventional system requires KWD-AP3-P25 license.

SOFTWARE UPGRA	DE LICENSES FOR KPG-180AP		
Note: Includes package lic	ense for additional subscriber unit or license for additional profile attached to one computer ru	ınning KPG-180AP software. All additi	onal licenses
require KPT-300LMC for a			
KWD-AP5100	Additional 100 Radio Package License for 1 PC	1,250.25	1,667.00
INVID-AI 0100	Note: License includes 100 subscriber radios OTAP License.		
KWD-AP5250	Additional 250 Radio Package License for 1 PC	2,187.75	2,917.00
NVD-AF 3230	Note: License includes 250 subscriber radios OTAP License.	,	······································

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	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	4,167.0
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	187.50	250.0
OVER THE AIR R	Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2). ROGRAMMING (OTAP) CON'T	EPL	LIST
OVER THE AIRTI	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC.	312.75	417.0
KWD-AP2-CP	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).		417.0
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	600.00	800.0
IMPORTANT NOTES	Interface for only Radio to Radio Communication.		
Requires firmware version	to a computer using the KPG-36XM USB adapter for portables, or a KPG-46XM for mobiles. 1.4 or higher for the NX-5000 Series portables and mobiles 2.5 or higher for the NXR-x00/NXR-x10 repeaters.		
BATTERY READE		FPI	115
/AO 401/	License Key for KAS-12	63.75	85.0
CAS-12K	Battery Reader Software for KNB-L1/2/3/N4/LS5 & KSC-Y32 (Windows® Vista/7/8/8.1) Note:		
	taches 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	350.0
KAS-12PRO	Note:		
	- A Windows® PC may be required as a Database Server which KAS-12DU (Free) software is installed.		
Offline Authentica	- Requires KPT-2001 MC for authentication	EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License	150.00	200.0
WD 01 2 00B	Note:	100.00	200.0
	- 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:		
	- Damaced JISB License Storage "KWD-OFL-JISB"		
General Radio Fe		EPL	LIST
KWD-5000CH	License Key for 4000 Channel Expansion	315.00	420.00
KWD-5001FP	License Key for Front Panel Programming	225.00	300.0
KWD-5002SD	License Key for microSD Memory Card Slot Activation	78.75	105.0
(WD-5003BT	License Key for Bluetooth Serial Port Profile (Required for DatA Communication)	26.25	35.0
(VVD 0000D1	Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.		
	Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. You can pair with any Bluetooth audio device without this option. License Key for Remote Control by Subscriber Units Note:	30.00	40.0
	You can pair with any Bluetooth audio device without this option. License Key for Remote Control by Subscriber Units		40.0
	You can pair with any Bluetooth audio device without this option. 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.		40.0
	You can pair with any Bluetooth audio device without this option. 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.		40.0
(WD-5007RC	You can pair with any Bluetooth audio device without this option. 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	
KWD-5007RC P25 Radio Feature	You can pair with any Bluetooth audio device without this option. 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 <i>EPL</i>	LIS
CWD-5007RC P25 Radio Feature CWD-5100CV	You can pair with any Bluetooth audio device without this option. 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 <i>EPL</i> 431.25	LIS 575.0
CWD-5007RC P25 Radio Feature CWD-5100CV CWD-5101TR	You can pair with any Bluetooth audio device without this option. 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 <i>EPL</i> 431.25 390.00	<i>LIS</i> 3575.0
KWD-5007RC P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK	You can pair with any Bluetooth audio device without this option. 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 <i>EPL</i> 431.25	40.00 575.0 520.00 400.0 700.0

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NEXEDG	NX-5200/5300 VHF/UHF Digital & FM Analog Portable Radios	Table of C	Contents
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 Featu		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	<i>'</i> 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.		
KBP-8M	[Intrinsically Safe Option] AA Alkaline Refillable Battery Pack (12 AA: 9V). Cells not included. Note: The color of the case is International Orange.	79.50	106.00
KSC-Y32K	Rapid rate single unit charger (Long-Life Charge Mode capable with KAS-12 Software)	86.25	115.00
KSC-32	Rapid rate single unit charger	52.50	70.00
KSC-326K	Rapid rate 6-unit charger	472.50	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	25.31	33.75
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	89.25	119.00
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	225.00	300.00
CARRYING ACC	ESSORIES	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

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NEXEDGE	NX-5200/5300		Contents
P25 DMR	VHF/UHF Digital & FM Analog Portable Radios		
SPECIAL COLOR H	OUSING	EPL	LIST
KWD-YH-5000	Yellow Housing Kit for NX-5000 series Portables (Standard Key Model Only) Order <u>L-5024</u> for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood.)	30.00	40.00
KWD-OH-5000	Note: If you order only housing and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible. Orange Housing Kit for NX-5000 series Portables (Standard Key Model Only) Order <u>L-5025</u> for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood.)	30.00	40.00
MICROPHONES & A	Note: If you order only housing and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible. AUDIO ACCESSORIES	EPL	LIST
KMC-54WDM	MIL-SPEC, IP67 (Immersion) Speaker Mic <u>Compatible with ANR Feature</u> <u>Note</u> ; only compatible with a NX-5000 series portable	97.50	130.00
MICROPHONES & A	Untrinsically Safe Ontion: AUDIO ACCESSORIES CON'T	EPL	LIST
KMC-42WDM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic	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).	187.50	250.00
KEP-1	Intrinsically Safe Ontion 3.5mm earphone kit for KMC-41/42W/54W Speaker Mics	39.38	52.50
KEP-2	[Intrinsically Safe Option] 2.5mm earphone kit for KMC-49 Speaker Mic	39.38	52.50
KCT-51	[Intrinsically Safe Option] Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector)	161.25	215.00
KHS-11BL	[Intrinsically Safe Option] 2-wire palm mic w/earphone, universal connector (Black)	117.38	156.50
KHS-12BL	[Intrinsically Safe Option] 3-wire mini lapel mic w/earphone, universal connector (Black) Note: NOT compatible with TDMA operations	138.00	184.00
KHS-14	Intrinsically Safe Option Lt. Wt. Single muff headset w/boom mic & In-line PTT Note: NOT compatible with TDMA operations	94.50	126.00
KHS-15-BH	[Intrinsically Safe Option] 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	[Intrinsically Safe Option] Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT Note: NOT compatible with TDMA operations	276.00	368.00
ENCRYPTION & OP	[Intrinsically Safe Option]	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.) 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 Intrinsically Safe Ontion	52.50	70.00

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NEXEDG	NX-5200/5300 VHF/UHF Digital & FM Analog Portable Radios	Table of Contents	
Stanyon Co.	VIII /OIII Digital & FM Allalog Foliable Radios		
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K	393.75	525.00
	Authentication by KPT-300LMC is required		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).		~~~~
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K	276.00	368.00
	Authentication by KPT-300LMC is required		
SERVICE DELAT	Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).		
	EDI ACCESSORIES	EPL	LIST
KPG-36XM	Full Speed USB Programming interface cable	118.88	158.50
KPG-93	Note: This cable with USB mode may used for SD Card Direct Access.  Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	106.00	262 50
	KVL-4000 Radio Authentication Cable	196.88	262.50
KPG-93AUT	Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	247.50	330.00
IZIA/D. A OLZ. A IZ		450.00	000 00
KWD-ASK-AK	Access Key for KPG-D1NK P25 trunked programming	156.00	208.00
	Notes: Enables P25 Trunked system programming privileges in a KPG-D1NK.		
	<ul> <li>For NX-5000 series only.</li> <li>Must be activated by trunked system operator (SYSOP) with KWD-ASK-MK Master Key.</li> </ul>		
	Must have KPG-D1NK.		
KWD-ASK-MK	Master Key for activating KWD-ASK-AK Access Keys	375.00	500.00
	- Restricted Purchase Requirements -		
	Notes:		
	• For NX-5000 series only.		
	<ul> <li>Sold to trunked system operator (SYSOP) or SYSOP authorized entities only</li> </ul>		
	Must have KPG-D1NK.		
	<ul> <li>SYSOP must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on</li> </ul>		
INSTALLATION /	TUNING CHARGES	EPL	LIST
L-5000	Account Registration Key	N/C	N/C
	Note: specify the number of PC's used for Radio Feature License Activation		
L-5001	Factory Activation of Radio Feature Licenses (per Radio)	90.00	120.00
	Note: Must purchase Radio Feature Licenses separately.		
L-5002	NX-5200/5300/5400 Programming (with basic TX/RX check)	28.13	27 50
			37.50
L-5003	Install KWD-AE30K in NX-5000 series Portable	56.25	75.00
I F004	(Must purchase module separately) Install KWD-AE31K in NX-5000 series Portable	EC OF	7E 00
L-5004	(Must purchase module separately)	56.25	75.00
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	KPG-D1NK System Key File (SKF)	99.00	132.00
L-5005		99.00	132.00
L-5005			
L-5005	Note: Enables P25 Trunked system programming privileges in a KPG-D1NK.		
L-5005	Note: Enables P25 Trunked system programming privileges in a KPG-D1NK Restricted Purchase Requirements -		
L-5005	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		
L-5005	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.		
L-5005	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.		
L-5005	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		
	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.		
L-5024	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.  Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	20.25	27.00
L-5024	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.	20.25 20.25	27.00 27.00
L-5005 L-5024 L-5025 L-5039	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.  Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable		

-- IMPORTANT NOTES regarding ENCRYPTION MODULES--



## NX-5200/5300

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## VHF/UHF Digital & FM Analog Portable Radios

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

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

- a) Initial Destination: Initial delivery point if different from Ultimate Destination (customer distribution center, headquarters, dealership, manufacturer's representative)
- * Business/Agency Name:
- * Address:
- * Contact Person Name:
- * Contact Phone:
- b) Ultimate Destination: Final delivery point(s); deployment/distribution
- * Business/Agency Name:

## 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.

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## 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 ±10kHz ranges) are not allowed:

• 864.000

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

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

## STANDARD

### **■ GENERAL FEATURES**

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

- Emergency Call Features
   Built-in GPS Receiver / Antenna
   Built-in Bluetooth® Module
- Built-in Motion Sensor
- Built-in 56-bit DES Encryption
- (4 keys programmable by KPG-D1(N)K)
- · Active Noise Reduction (ANR)
- KPG-D1N Windows® FPU · Flash Firmware Upgrading
- · MIL-STD-810 C/D/E/F/G
- IP67/68 Immersion
- Color Housing Option
- 1. Multi Digital Protocol can be used for two(2) of the three(3) Digital Protocols set by programming software. P25/DMR Digital Protocols are options.

### ■ DIGITAL – NXDN® MODE

- NXDN® Conventional
- NXDN® TYPE-C (Gen1/Gen2) Trunking (only in 800MHz)
   AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- · Over-the-Air Alias
- Over-the-Air Programming (require KPG-180AP OTAP Manager Software)
- Paging Call
   Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- · Short & Long Data Messages GPS Location
- NXDN® Scrambler

### ■ DIGITAL – DMR MODE

- DMR Tier II Conventional
- AMBE+2™VOCODER
- 12.5 kHz Channels
- · Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late Entry
- Status Messaging
   Remote Control by Subscriber Units
- ARC4 Encryption
- 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 (<u>KWD-5002SD</u> License Key Activation required)
- Built-in Bluetooth® Module for Data (<u>KWD-5003BT</u> License Key Activation required)
   Remote Control by Subscriber Units (<u>KWD-5007RC</u> License Key Activation required)
- 256-bit AES Encryption (<u>KWD-AE30K/31K</u> Encryption Module required)
   Battery Management Solution (<u>KSC-Y32K</u> Charger & <u>KAS-12K</u> 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 & 5106D/T 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))

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KWD-AP1-CA

KWD-AP2-CP

NEXEDGE	NX-5400	Table of	Contents
P25 DMR	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 APPROVI	ED MODELS  Must Order L-5039 & KNB-LS5M Intrinsically Safe Battery per radio *Note microSD card is not allowed to use as Intrinsically Safe Option.	EPL	LIST
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 PROGRAM	MING UNIT (FPU)	EPL	LIST
KPG-D1NK	License Key for KPG-D1NK Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1)  Note: Requires KPT-300LMC for authentication	116.25	155.00
OVER THE AIR RE	<ul> <li>For NX-5000 series radios.</li> <li>KWD-ASK-MK (Master Key): For trunked system operator (SYSOP). Required for activating KWD-ASK-AK Access keys. Securely embeds/encrypts the HSID.</li> <li>KWD-ASK-AK (Access Key): For Dealers/contractors. Activated by KWD-ASK-MK Master Key.</li> <li>KPG-D1NK supports up to 16 KWD-ASK-AK Access Keys (16 trunked networks).</li> <li>Software Key Type: System Key File (SKF)- See L-5005</li> <li>For NX-5000 series radios.</li> <li>3-digit HEX System ID (HSID) with verifiable written authorization required from SYSOP.</li> <li>Utilized by both SYSOPs and Dealers/Contractors. But Dealers/Contractors must be permitted from SYSOP to order and use SKF.</li> <li>Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools.</li> <li>The *.SKF securely embeds/encrypts the HSID.</li> </ul>	<b>SPI</b>	LIST
<i>OVER THE AIR PE</i> KPG-180AP	ROGRAMMING (OTAP) OTAP Manager Software (Windows® Vista/7/8/8.1/10)	<i>EPL</i> 663.00	884.00
NF G-100AF	• License includes Fifty (50) radios / One(1) <b>NXDN</b> Conventional and Type-C <b>Air</b> Communication Profile and One(1) <b>NXDN</b> Conventional and Type-C <b>IP</b> Communication Profile	003.00	004.00
	Note: - Requires KPT-300LMC for authentication - Radio to Radio OTAP for P25 Conventional system requires KWD-AP3-P25 license.		
	DE LICENSES FOR KPG-180AP		di4: I
• •	cense for additional subscriber unit or license for additional profile attached to one computer running KPG-180A .MC.for authentication	r soπware. All ad	aitionai
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
	ALIII INVENIO II IT ONI O II I D. CI ( 4 DO		

Additional NXDN Conventional Type-C Air Communication Profile for 1 PC.

Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).

Additional NXDN Conventional Type-C IP Communication Profile for 1 PC.

Interface for both Conventional and Trunking (Type-C Gen1/Gen2)

Note: Price is per license on quantities of less than 16 licenses. Used as NEXEDGE Base Station

Note: Price is per license on quantities of less than 16 licenses. Used NEXEDGE Repeater IP

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187.50

312.75

250.00

417.00

NEXEDGE	NX-5400	Table of C	Contents
DMR DMR	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
IMPORTANT NOTES		•••••	
	to a computer using the KPG-36XM USB adapter for portables, or a KPG-46XM for mobiles.		
·	1.4 or higher for the NX-5000 Series portables and mobiles		
•	2.5 or higher for the NXR-x00/NXR-x10 repeaters.		
BATTERY READER	Liennes Voy for VAC 12	EPL 00.75	LIST
	License Key for KAS-12 Battery Reader Software for KNB-L1/2/3/N4/LS5 & KSC-Y32 (Windows® Vista/7/8/8.1) <i>Note:</i> Requires KRX-3001 MC for authentication	63.75	85.00
	ELICENSES FOR KAS-12		
vote: Upgrade License at	taches to one computer running KAS-12 software. All additional licenses require KPT-300LMC for authentication.  Add Battery Management with Database		350.00
KAS-12PRO	Must require KAS-12K Battery Reader Software to upgrade Note:		330.00
Offline Authorities	- A Windows® PC may be required as a Database Server which KAS-12DU (Free) software is installed.	EDI	
Offline Authentica KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License	<i>EPL</i> 150.00	200.00
KWD-OFL-USB	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.	150.00	200.00
	Warranty Information:		
	Warranty Information; 	50	
General Radio Fea	Damaged.USB.License.Storage."KWD-OFL-USB"	EPL	
KWD-5000CH	atures  License Key for 4000 Channel Expansion	315.00	420.00
KWD-5000CH KWD-5001FP	An Damaged USB License Storage "KWD-OFL-USB"  atures  License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation	315.00 225.00	420.00 300.00
KWD-5000CH KWD-5001FP KWD-5002SD	An Annuaged USB License Storage "KWO-OFL-USB"  atures  License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)	315.00 225.00 78.75 26.25	420.00 300.00 105.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT	An Damaged USB License Storage "KWD-OFL-USB"  atures  License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation	315.00 225.00 78.75 26.25	420.00 300.00 105.00 35.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT	And the Communication for Bluetooth Head Set does NOT require KWD-5003BT.  License Key for Remote Control by Subscriber Onlis  Note:	315.00 225.00 78.75 26.25	420.00 300.00 105.00 35.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication) Nate: Voice Communication for Bluetooth Head Set does NOT require. KWD-5003BT. License Key for Remote Control by Subscriber Onlis  Note: - P25 Mode is NOT available.	315.00 225.00 78.75 26.25	420.00 300.00 105.00 35.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Stot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require. KWD-5003BT. License Key for Remote Control by Subscriber Onlis  Note: - P25 Mode is NOT available This license may be used by Administrator due to Stun/Revive/Kill.	315.00 225.00 78.75 26.25	420.00 300.00 105.00 35.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT License Key for Remote Control by Subscriber Onits  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	315.00 225.00 78.75 26.25 30.00	420.00 300.00 105.00 35.00 40.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT License Key for Remote Control by Subscriber Onits  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	315.00 225.00 78.75 26.25 30.00	420.00 300.00 105.00 35.00 40.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC P25 Radio Feature KWD-5100CV	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication) Note: Voice Communication for Bluetooth Head Set does NOT require. KWD-5003BT. License Key for Remote Control by Subscriber Omits  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	315.00 225.00 78.75 26.25 30.00 <i>EPL</i> 431.25	420.00 300.00 105.00 35.00 40.00 <i>LIST</i> 575.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC P25 Radio Feature KWD-5100CV KWD-5101TR	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication) Note: Voice Communication for Bluetooth Head Set does NOT require. KWD-5003BT. License Key for Remote Control by Subscriber Omits  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  License Key for P25 Conventional License Key for P25 Phase 1 Trunking (requires KWD-5100CV)	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00	420.00 300.00 105.00 35.00 40.00 <i>LIST</i> 575.00 520.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT License Key for Remote Control by Subscriber Onits  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  License Key for P25 Conventional License Key for P25 Phase 1 Trunking (requires KWD-5100CV) License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00	420.00 300.00 105.00 35.00 40.00 <i>LIST</i> 575.00 520.00 400.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT License Key for Remote Control by Subscriber Onits  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  License Key for P25 Conventional  License Key for P25 Phase 1 Trunking (requires KWD-5100CV)  License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)  License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00 525.00	420.00 300.00 105.00 35.00 40.00 575.00 520.00 400.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication)  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  License Key for P25 Phase 1 Trunking (requires KWD-5100CV) License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)  License Key for P25 Conventional Voting Scan	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00 525.00 90.00	420.00 300.00 105.00 35.00 40.00 575.00 520.00 400.00 700.00
General Radio Fea KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT KWD-5106DT	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT License Key for Remote Control by Subscriber Onits  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  License Key for P25 Conventional  License Key for P25 Phase 1 Trunking (requires KWD-5100CV)  License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)  License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00 525.00	LIST 420.00 300.00 105.00 35.00 40.00  LIST 575.00 520.00 400.00 700.00 180.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  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  Elicense Key for P25 Conventional License Key for P25 Phase 1 Trunking (requires KWD-5100CV) License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation) License Key for P25 Trunking OTAR/GPS Data Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00 525.00 90.00	420.00 300.00 105.00 35.00 40.00 575.00 520.00 400.00 700.00 120.00
KWD-5000CH KWD-5001FP KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC  P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT KWD-5106DT  DMR Radio Feature KWD-5300CV	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  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  Elicense Key for P25 Conventional License Key for P25 Phase 1 Trunking (requires KWD-5100CV) License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation) License Key for P25 Trunking OTAR/GPS Data Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00 525.00 90.00 135.00	420.00 300.00 105.00 35.00 40.00 575.00 520.00 400.00 700.00 180.00
KWD-5000CH KWD-5001FP KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC  P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT KWD-5106DT  DMR Radio Feature KWD-5300CV KWD-5500EE	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT. License Key for Remote Control by Subscriber Onlis  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  SS  License Key for P25 Conventional License Key for P25 Phase 1 Trunking (requires KWD-5100CV) License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation) License Key for P25 Conventional Voting Scan License Key for P25 Trunking OTAR/GPS Data Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00 525.00 90.00 135.00 EPL 45.00 32.81	420.00 300.00 105.00 35.00 40.00 575.00 520.00 400.00 120.00 180.00 43.75
KWD-5000CH KWD-5001FP KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC  P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT KWD-5106DT  DMR Radio Feature KWD-5300CV KWD-5500EE ANTENNAS	License Key for 4000 Channel Expansion License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication) Note; Organization for Electroth Head Set does NOT require KWD-5003BT. License Key for Remote Control by Subscriber Offils  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  SS  License Key for P25 Conventional License Key for P25 Phase 1 Trunking (requires KWD-5100CV) License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR) License Key for P25 Conventional Voting Scan License Key for P25 Trunking OTAR/GPS Data Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.  Tess  License Key for DMR Tier II Conventional License Key for DMR Tier II Conventional License Key for DMR ARC4 Enhanced Encryption	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00 525.00 90.00 135.00 EPL 45.00 32.81 EPL	420.00 300.00 105.00 35.00 40.00   LIST 575.00 520.00 400.00 700.00 120.00 180.00 43.75 LIST
KWD-5000CH KWD-5001FP KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC  P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT KWD-5106DT  DMR Radio Feature KWD-5300CV KWD-5300CV KWD-5500EE ANTENNAS KRA-32K	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication) Mote: Voice Communication for Bluetooth Head Set does NOT require KWD-50038T. License Key for Remote Control by Subscriber Onts  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  SS  License Key for P25 Conventional License Key for P25 Phase 1 Trunking (requires KWD-5100CV) License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR) License Key for P25 Conventional Voting Scan License Key for P25 Trunking OTAR/GPS Data Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.  Tes  License Key for DMR Tier II Conventional License Key for DMR ARC4 Enhanced Encryption  700/800 MHz Whip Antenna	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00 525.00 90.00 135.00 EPL 45.00 32.81 EPL 26.25	420.00 300.00 105.00 35.00 40.00 575.00 520.00 400.00 120.00 180.00 43.75 <i>LIST</i> 35.00
KWD-5000CH KWD-5001FP KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC  P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT KWD-5106DT  DMR Radio Feature KWD-5300CV KWD-5300CV KWD-5500EE ANTENNAS KRA-32K KRA-36	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-50038T.  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 P2 command for Remote Control does NOT require the license  License Key for P25 Conventional License Key for P25 Phase 1 Trunking (requires KWD-5100CV) License Key for P25 Phase 2 Trunking (requires KWD-5100CV) License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation) License Key for P25 Trunking OTAR/GPS Data Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.  Tes  License Key for DMR Tier II Conventional License Key for DMR Tier II Conventional License Key for DMR ARC4 Enhanced Encryption	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00 525.00 90.00 135.00 EPL 45.00 32.81 EPL 26.25 18.75	420.00 300.00 105.00 35.00 40.00 575.00 520.00 400.00 120.00 180.00 43.75 <i>LIST</i> 35.00 25.00
KWD-5000CH KWD-5001FP KWD-5001FP KWD-5002SD KWD-5003BT KWD-5007RC  P25 Radio Feature KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT KWD-5106DT  DMR Radio Feature KWD-5300CV KWD-5500EE	License Key for 4000 Channel Expansion License Key for Front Panel Programming License Key for microSD Memory Card Slot Activation License Key for Bluetooth Serial Port Profile (Required for Date Communication) Note: Voice Communication for Bluetooth Head Set does NOT require KWD-50038T.  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 P2 command for Remote Control does NOT require the license  License Key for P25 Conventional License Key for P25 Phase 1 Trunking (requires KWD-5100CV) License Key for P25 Phase 2 Trunking (requires KWD-5100CV) License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation) License Key for P25 Trunking OTAR/GPS Data Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.  Tes  License Key for DMR Tier II Conventional License Key for DMR Tier II Conventional License Key for DMR ARC4 Enhanced Encryption	315.00 225.00 78.75 26.25 30.00 EPL 431.25 390.00 300.00 525.00 90.00 135.00 EPL 45.00 32.81 EPL 26.25	420.00 300.00 105.00 35.00 40.00 520.00 400.00 120.00 180.00 43.75 LIST 35.00

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NEXEDGE	NX-5400	Table of C	Contents
P25 DMR	700/800MHz Digital & FM Analog Portable Radio		
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 CON'T	EPL	LIST
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC- mobile bracket & cigarette lighter cable DC adapter)	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 ACCE		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		EPL	LIST
KWD-YH-5000	Yellow Housing Kit for NX-5000 series Portables (Standard Key Model Only)	30.00	40.00
	Order <u>L-5024</u> for Factory Install. (Eligible for warranty of IP67/68 immersion / Intrinsically Safe Option must be installed by Kenwood.)	00.00	10.00
	Note: If you order only housing and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.		
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.)	30.00	40.00
	Note: If you order only housing and perform Dealer Installation, IP67/68 Warranty Claim will not be eligible.		
MICROPHONES &	AUDIO ACCESSORIES	EPL	LIST
KMC-54WDM	MIL-SPEC, IP67 (Immersion) Speaker Mic Compatible with ANR Feature	97.50	130.00
KMC-42WDM	Note: only compatible with a NX-5000 series portable  MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic	85.50	114.00
INIO-42 VIDIVI	Ilatrinsically Safe Ontion	00.00	114.00
KMC-49	MIL-SPEC, Speaker Mic. with Antenna Connector  Note: 5/16" Coax cable hex wrench included (antenna is not included).	187.50	250.00
KEP-1	3.5mm earphone kit for KMC-41/42W/54W Speaker Mics	39.38	52.50
KEP-2	Intrinsically Safe Ontion  2.5mm earphone kit for KMC-49 Speaker Mic	39.38	52.50
KCT-51	[Intrinsically Safe Option] Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector)	161.25	215.00
KHS-11BL	Intrinsically Safe Ontion 2-wire palm mic w/earphone, universal connector (Black)	117.38	156.50
KHS-12BL	Intrinsically Safe Ontion.  3-wire mini lapel mic w/earphone, universal connector (Black)	138.00	184.00
IN IO-IZDL	Note: NOT compatible with TDMA operations	130.00	104.00
KHS-14		94.50	126.00
	Note: NOT compatible with TDMA operations		

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P25 DMR	NX-5400 700/800MHz Digital & FM Analog Portable Radio	Table of Contents	
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT	315.00	420.00
	Note: NOT compatible with TDMA operations Intrinsically Safe Ontion		
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT <b>Note:</b> NOT compatible with TDMA operations	276.00	368.00
ENCRYPTION & C	OPTION MODULES	EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key)  Order a Labor Code <u>L-5003</u> 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
ENCRYPTION & (	OPTION MODULES CON'T	EPL	LIST
KWD-AE31K	AES & DES Encryption Module (Multi-Key)  Order a Labor Code <u>L-5004</u> 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-	412.50	550.00
KCT-48VU	AE31K.is.an.U.S.DOC/BIS.Export.Controlled.Item./ECCNL5A003A.1).  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	393.75	525.00
KPG-DE1K	Motor MRC MEdico MLS DOCIBLE Except Controlled Item (ECCN 6D0000)  DES Encryption Software Key Loader for KWD-AE31K  Authentication by KPT-300LMC is required	276.00	368.00
SERVICE RELATI	Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1)  ED ACCESSORIES	EPL	LIST
KPG-36XM	Full Speed USB Programming interface cable	118.88	158.50
VDC 02	Note: This cable with USB mode may be used for SD Card Direct Access.  Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	100.00	262.50
KPG-93 KPG-93AUT	KVL-4000 Radio Authentication Cable	196.88 247.50	262.50 330.00
N O-95AU I	Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.	247.50	
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	N/C	N/C
L-5001	Note: specify the number of PC's used for Radio Feature License Activation.  Factory Activation of Radio Feature Licenses (per Radio)  Note: Must purchase Radio Feature Licenses separately.	90.00	120.00
L-5002	KRT-300LMC's History Menu will not display the Radio Features activated by Factory NX-5200/5300/5400 Programming (with basic TX/RX check)	28.13	37.50

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NEXEDGE®	NX-5400 700/800MHz Digital & FM Analog Portable Radio	Table of (	of Contents	
L-5003	Install KWD-AE30K in NX-5000 series Portable	56.25	75.00	
	.(Must ourchase module senarately)			
L-5004	Install KWD-AE31K in NX-5000 series Portable	56.25	75.00	
	(Must purchase module separately)			
L-5005	KPG-D1NK System Key File (SKF)	99.00	132.00	
	Note: Enables P25 Trunked system programming privileges in a KPG-D1NK.			
	- Restricted Purchase Requirements -			
	• Trunked system operator (SYSOP) must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys			
	Request Form placed on Kenwood Tools.			
	Must have KPG-D1NK.			
	• Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys			
	Request Form placed on Kenwood Tools.			
	Nov.ONGOD. oddion orderica J. 5005. modernida verifichla velton orderication from CNGOD de cercita con			
L-5024	Assemble Yellow Housing KWD-YH-5000 with NX-5000 series Portable	20.25	27.00	
L-5025	Assemble Orange Housing KWD-OH-5000 with NX-5000 series Portable	20.25	27.00	
L-5039	Configure NX-5200/5300/5400 for CSA US Intrinsically Safe	52.50	70.00	
IMPORTANT NOTES	Must order KNB-LS5M I.S. battery			

⁻⁻ IMPORTANT NOTES regarding ENCRYPTION MODULES--

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

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

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

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

- * Business/Agency Name:
- * Address:
- * Contact Person Name:
- * Contact Phone:

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

- * Business/Agency Name:
- * Address:

KWD-AE30 AES FIPS140-2 SCM , NIST Validation & Customer Shipping	
A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Gove	rnment 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	n 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 ch	eck 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 erroned	ous destinations specified on an order.

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## 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)
- Moblie Releay 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

### ■ DIGITAL - NXDN® MODE

- NXDN® Conventional0
- NXDN® TYPE-C (Gen1/Gen2) Trunking (except 700MHz)
   AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- · Over-the-Air Alias
- Over-the-Air Programming (requires KPG-180AP OTAP Manager Software)
- · Paging Call
- · Emergency Call
- All Group Call
- Status Messaging
- Remote Stun/Kill/Check
- Short & Long Data Messages
- GPS Location
- NXDN® Scrambler

## ■ DIGITAL – DMR MODE

- DMR Tier II Conventional
- AMBE+2™VOCODER
- 12.5 kHz Channels
- Call Interrupt (Direct & Repeater Mode)
- Paging Call
- Emergency Call
- All Group Call
- Late EntryStatus 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 (<u>KWD-5000CH</u> License Key Activation required)
   Front Panel Programming (<u>KWD-5001FP</u> License Key Activation required)
   microSD/microSDHC Memory Card Slot (<u>KWD-5002SD</u> 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 (<u>KWD-5100CV</u> License Key Activation required)
   Phase 1 Trunking Features (<u>KWD-5100CV</u> & <u>5101TR</u> License Keys Activation required)
   Phase 2 Trunking Features (<u>KWD-5100CV</u> & <u>5101TR</u> & <u>5102TR</u> License Keys Activation required)

• Packet Data required for Trunked OTAR/GPS (KWD-5106DT 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)
- DIGITAL DMR MODE
- DMR Tier 2 Conventional Features (<u>KWD-5300CV</u> 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

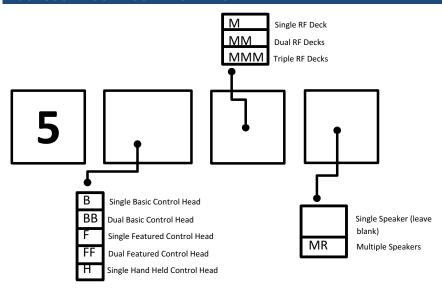
(KRK Kit & KCT-71 or KCT-77 Cable required)

- **Dual Remote Control Heads**
- (<u>KCH-19/20R/21R</u> & <u>KRK Kit</u> & <u>KCT-71</u> or <u>KCT-77</u> 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.



NEXEDGE P25 DMR	NX-5700/5800/5900  VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios	Table of Contents	
RADIO (includes: KC	H-19M, KMC-35, KMB-33M, and KCT-23M)	EPL	LIST
NX-5700K	VHF (136-174MHz), 50 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	735.00	980.00
NX-5800K	UHF (450-520MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	735.00	980.00
NX-5800K2	UHF (380-470MHz), 45 Watts NXDN Conventional / TYPE-C (Gen1/Gen2) Trunking	735.00	980.00
NX-5900K	700 / 800 MHz, 30/35 Watts NXDN Conventional / 800MHz TYPE-C (Gen1/Gen2) Trunking	937.50	1,250.00
RF Deck Only		EPL	LIST
	MUST purchase necessary accessories separately		
NX-5700BK	NX-5700K (50W, 136-174 MHz) RF Deck Only (KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable not included)	540.00	720.00
NX-5800BK	NX-5800K (45W, 450-520 MHz) RF Deck Only (KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable not included)	540.00	720.00
NX-5800BK2	NX-5800K2 (45W, 380-470 MHz) RF Deck Only  (KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable not included)	540.00	720.00
NX-5900BK	NX-5900K (35W, 700/800 MHz) RF Deck Only  (KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable not included)	742.50	990.00

## **ACCESSORY CONFIGURATION KITS**



 $^{^{\}star}$  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	56.25	75.00
	(MUST purchase NX-5x00(B) RF Deck and the Kit with this labor for full installation).		
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-	1,304.74	1,739.65
	72M(x2)		
L-5030	Package Single Deck Dual Head Remote for Basic/Featured Panel	105.00	140.00
	(MUST purchase NX-5x00(B) RF Deck and the Kit with this labor for full installation).		

NEXEDGE DMR	NX-5/UU/58UU/59UU		Contents
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 L-5031	KCH-21RM, KRK-15BM(x2), KCT-77M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2)  Package Dual Deck Single Head Remote for Basic/Feature Panel  (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation).  Note: MUST submit the Remote Mount Configuration Request Form.	1,065.53 63.75	1,420.70 85.00
Dual Deck Single 5BMM-MR	Head Dual Speaker Remote Mount  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)	<i>EPL</i> 714.38	<i>LIST</i> 952.50
5FMM-MR	KCH-20RM, KRK-15BM(x2), KCT-71M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KMC-35, KES-5(x2), KAP-2(x2)	910.13	1,213.50
5HMM-MR	KCH-21RM, KRK-15BM(x2), KCT-77M2, KCT-71M4, KCT-23M3(x2), KMB-33M(x2), KES-5(x2), KAP-2(x2)	1,251.98	1,669.30
L-5032	Package Dual Deck Single Head Dual Speaker Remote for Basic/Featured Panel  (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)  Note: MUST submit the Remote Mount Configuration Request Form.	112.50	150.00
Dual Deck Dual H	ead 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
Dual Dock Dual H	Note: MUST submit the Remote Mount Configuration Request Form.  ead 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
Triple Dock Single	Note: MUST submit the Remote Mount Configuration Request Form.	EDI	1 191
5BMMM	e Head Single Speaker Remote Mount  KCH-19M, KRK-14HM, KRK-15BM(x3), KCT-71M2, KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3),  KMC-35	635.82	<b>LIST</b> 847.75
5FMMM	KCH-20RM, KRK-15BM(x3), KCT-71M2, KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3), KMC-35, KES-5, KCT-72M	905.03	1,206.70
5HMMM	KCH-21RM, KRK-15BM(x3), KCT-77M2, KCT-71M4(x2), KCT-23M3(x3), KMB-33M(x3)	1,173.23	1,564.30
L-5035	Package Triple Deck Single Head Single Speaker Remote for Basic/Featured Panel (MUST purchase NX-5x00(B) RF Decks and the Kit with this labor for full installation)  Note: MUST submit the Remote Mount Configuration Request Form.	105.00	140.00
Triple Deck Single 5BMMM-MR	e Head Triple Speaker Remote Mount  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)	<i>EPL</i> 915.38	<i>LIST</i> 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  Head Single Speaker Remote Mount	EPL	LIST

NEXEDGE	NX-5700/5800/5900	Table of Contents	
P25 DMR	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)  Note: MUST submit the Remote Mount Configuration Request Form.	120.00	160.00
Triple Deck Dual	Head Triple Speaker Remote Mount( <u>MUST be KENWOOD Assembled</u> )	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
FRONT PANELS	Note: MUST submit the Remote Mount Configuration Request Form & REMOTE KITS	EPL	LIST
KCH-19M	Basic Control Panel	135.00	180.00
KCH-20RM	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.	450.00	600.00
KCH-21RM	Hand Held Control Head for Long Cable *Requires KCT-77M2 (17 ft.)  Note:  - Bluetooth SPP License (KWD-5003BT) is NOT required for both KCH-21RM and connected RF Decks.KCH-21RM has built-in Bluetooth SPP license that will also activate the connected RF Decks.  Hand Held Control Head with Short Cable (4 ft.)	746.25	995.00
KCH-21RM-S	Note: - Bluetooth SPP License (KWD-5003BT) is NOT required for both KCH-21RM and connected RF Decks.KCH-	746.25	995.00
KRK-14HM	21RM has built in Bluetooth SPP license that will also activate the connected RF Decks  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 INSTALL	ATION 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 STATI	ON INSTALLATION ACCESSORIES	EPL	LIST

NEXEDGE DMR	NX-5/00/5800/5900	Table of Cor	ntents
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110 series).	36.00	48.00
KPS-15	(mobile mounting hardware included) DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00

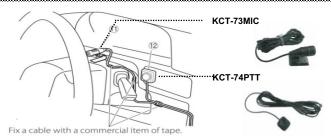
NEXEDGE®	NX-5700/5800/5900 VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios	Table of Contents	
MICROPHONES AND S	PEAKERS	EPL	LIST

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.	70.07	01.20
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.

<u>NOTE</u>: 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	116.25	155.00
	Programming Software for NX-5000 Portable/Mobile (Windows® Vista/7/8/8.1)		

- 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.

One(1) **NXDN** Conventional and Type-C **IP** Communication Profile

OVER THE AIR PROGRAMMING (OTAP)		EPL	LIST
KPG-180AP	OTAP Manager Software (Windows® Vista/7/8/8.1/10)	663.00	884.00
	• License includes Fifty (50) radios / One(1) NXDN Conventional and Type-C Air Communication Profile and		

## Note:

- Requires KPT-300LMC for authentication
- Radio to Radio OTAP for <u>P25 Conventional system</u> requires <u>KWD-AP3-P25</u> 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 a	uthentication.			
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.	,	·	

NEXEDGE P25 DMR	NX-5700/5800/5900  VHF/UHF/700/800MHz Digital & FM Analog Mobile Radios	Table of C	ontents
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 P	ROGRAMMING (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	600.00	800.00
	Interface for only Radio to Radio Communication.		~~~~
IMPORTANT NOTES			
	d 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 Authentic	ation Option	EPL	LIST
KWD-OFL-USB	USB License Storage Hardware key for Radio Feature License	150.00	200.00
	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-USR"		
General Radio Fe	- Damaged USB License Storage "KWD-OFL-USB"	FPI	LIST
	eatures	<i>EPL</i> 315.00	
KWD-5000CH	eatures License Key for 4000 Channel Expansion	315.00	420.00
KWD-5000CH KWD-5001FP	License Key for 4000 Channel Expansion  License Key for Front Panel Programming	315.00 225.00	420.00 300.00
KWD-5000CH KWD-5001FP KWD-5002SD	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation	315.00 225.00 78.75	420.00 300.00 105.00
KWD-5000CH KWD-5001FP KWD-5002SD	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.	315.00 225.00	420.00 300.00 105.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)	315.00 225.00 78.75	420.00 300.00 105.00 35.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.	315.00 225.00 78.75 26.25	420.00 300.00 105.00 35.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5004MR	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  License Key for Remote Control by Subscriber Units	315.00 225.00 78.75 26.25	420.00 300.00 105.00 35.00 N/C
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5004MR	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  License Key for Remote Control by Subscriber Units  Note:	315.00 225.00 78.75 26.25	420.00 300.00 105.00 35.00 N/C
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  License Key for Remote Control by Subscriber Units  Note:  - P25 Mode is NOT available.	315.00 225.00 78.75 26.25	420.00 300.00 105.00 35.00 N/C
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5004MR	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.	315.00 225.00 78.75 26.25	420.00 300.00 105.00 35.00 N/C
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT KWD-5004MR KWD-5007RC	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.	315.00 225.00 78.75 26.25 N/C 30.00	420.00 300.00 105.00 35.00 N/C 40.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT  KWD-5004MR KWD-5007RC	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.	315.00 225.00 78.75 26.25 N/C 30.00	420.00 300.00 105.00 35.00 N/C 40.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT  KWD-5004MR KWD-5007RC	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.	315.00 225.00 78.75 26.25 N/C 30.00	420.00 300.00 105.00 35.00 N/C 40.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT  KWD-5004MR KWD-5007RC  P25 Radio Featur KWD-5100CV KWD-5101TR	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.  Tes  License Key for P25 Conventional  License Key for P25 Phase 1 Trunking (requires KWD-5100CV)	315.00 225.00 78.75 26.25 N/C 30.00	420.00 300.00 105.00 35.00 N/C 40.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT  KWD-5004MR KWD-5007RC  P25 Radio Featur KWD-5100CV KWD-5101TR KWD-5102TR	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.  Tes  License Key for P25 Conventional  License Key for P25 Phase 1 Trunking (requires KWD-5100CV)  License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	315.00 225.00 78.75 26.25 N/C 30.00	420.00 300.00 105.00 35.00 N/C 40.00 <i>LIST</i> 575.00 520.00 400.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT  KWD-5004MR KWD-5007RC  P25 Radio Featur KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.  Tes  License Key for P25 Conventional  License Key for P25 Phase 1 Trunking (requires KWD-5100CV)  License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)  License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	315.00 225.00 78.75 26.25 N/C 30.00 EPL 431.25 390.00 300.00 525.00	420.00 300.00 105.00 35.00 N/C 40.00 <i>LIST</i> 575.00 520.00 400.00 700.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT  KWD-5004MR KWD-5007RC  P25 Radio Featur KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.  Tes  License Key for P25 Conventional  License Key for P25 Phase 1 Trunking (requires KWD-5100CV)  License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)  License Key for P25 Conventional Voting Scan	315.00 225.00 78.75 26.25 N/C 30.00 \$25.00 300.00 525.00 90.00	420.00 300.00 105.00 35.00 N/C 40.00 520.00 400.00 700.00 120.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT  KWD-5004MR KWD-5007RC  P25 Radio Featur KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.  Tes  License Key for P25 Conventional  License Key for P25 Phase 1 Trunking (requires KWD-5100CV)  License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)  License Key for P25 Conventional Voting Scan  License Key for P25 Trunking OTAR/GPS Data	315.00 225.00 78.75 26.25 N/C 30.00 EPL 431.25 390.00 300.00 525.00	420.00 300.00 105.00 35.00 N/C 40.00 520.00 400.00 700.00 120.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT  KWD-5004MR KWD-5007RC  P25 Radio Featur KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT KWD-5106DT	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.  Tes  License Key for P25 Conventional  License Key for P25 Phase 1 Trunking (requires KWD-5100CV)  License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)  License Key for P25 Trunking OTAR/GPS Data  Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	315.00 225.00 78.75 26.25 N/C 30.00 \$25.00 300.00 525.00 90.00 135.00	420.00 300.00 105.00 35.00 N/C 40.00 520.00 400.00 700.00 120.00 180.00
KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT  KWD-5004MR KWD-5007RC  P25 Radio Featur KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT KWD-5106DT  DMR Radio Featur	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.  res  License Key for P25 Conventional  License Key for P25 Phase 1 Trunking (requires KWD-5100CV)  License Key for P25 DTAR (requires KWD-5106DT for a Trunking Operation)  License Key for P25 Conventional Voting Scan  License Key for P25 Trunking OTAR/GPS Data  Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.  II/es	315.00 225.00 78.75 26.25 N/C 30.00 EPL 431.25 390.00 300.00 525.00 90.00 135.00	LIST 420.00 300.00 105.00 35.00  N/C 40.00  575.00 520.00 400.00 700.00 120.00 180.00  LIST 60.00
General Radio Fe KWD-5000CH KWD-5001FP KWD-5002SD KWD-5003BT  KWD-5004MR KWD-5007RC  P25 Radio Featur KWD-5100CV KWD-5101TR KWD-5102TR KWD-5103RK KWD-5105VT KWD-5106DT  DMR Radio Featur KWD-5300CV KWD-5500EE	License Key for 4000 Channel Expansion  License Key for Front Panel Programming  License Key for microSD Memory Card Slot Activation  License Key for Bluetooth Serial Port Profile (Required for Date Communication)  Note: Voice Communication for Bluetooth Head Set does NOT require KWD-5003BT.  You can pair with any Bluetooth audio device without this option.  License Key for Multiple RF Decks Receiver  Note: Required ONLY for the radios with S/N: B5900000 or earlier.  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.  Tes  License Key for P25 Conventional  License Key for P25 Phase 1 Trunking (requires KWD-5100CV)  License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)  License Key for P25 Trunking OTAR/GPS Data  Note: Conventional (OTAR/GPS) does NOT require KWD-5106DT.	315.00 225.00 78.75 26.25 N/C 30.00 \$25.00 300.00 525.00 90.00 135.00	420.00 300.00 105.00 35.00 N/C 40.00 520.00 400.00 700.00 120.00 180.00

NEXEDGE	NX-5/UU/58UU/59UU		ontents
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code <u>L-5007</u> if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device.	637.50	850.00
KWD-AE31K	AES & DES Encryption Module (Multi-Key)  Order a Labor Code <u>L-5008</u> if installation is required.  Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-	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
ENCRYPTION MO	DULES, CON'T	EPL	LIST
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required	276.00	368.00
FleetSync® & NF)	Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1)  KEDGE® AVL & MESSAGING	EPL	LIST
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch Note: - Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows® XP, VISTA & 7 and Microsoft®MapPoint®2006/2009/2010 (certain format bitmap images can be	325.50	434.00
	imported). Refer to KAS-10 product spec sheets and manuals for details.		
	ED ACCESSORIES	EPL	LIST
KPG-46XM	Full Speed USB Programming interface cable  Note: This cable with USB mode may be used for SD Card Direct Access.	118.88	158.50
KPG-115	Encryption Key Loader Interface Cable for Motorola KVL-3000/3000 Plus/4000	196.88	262.50
KPG-115AUT	KVL-4000 Radio Authentication Cable	247.50	330.00
KWD-ASK-AK	Note: Only capable for P25 Radio Authentication. Not available for Encryption Key Loading.  Access Key for KPG-D1NK P25 trunked programming  Notes: Enables P25 Trunked system programming privileges in a KPG-D1NK.  For NX-5000 series only  Must be activated by trunked system operator (SYSOP) with KWD-ASK-MK Master Key  Must have KPG-D1NK  Configurable expiration period of KWD-ASK-AK set by KWD-ASK-MK is available for 3 years for built in battery.	156.00	208.00
KWD-ASK-MK	Master Key for activating KWD-ASK-AK Access Keys  - Restricted Purchase Requirements -  Notes:  - For NX-5000 series only.  - Sold to trunked system operator (SYSOP) or SYSOP authorized entities only  - Must have KPG-D1NK  - SYSOP must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools.	375.00	500.00
INSTALLATION /	TUNING CHARGES	EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio)  Note: Must purchase Radio Feature Licenses separately.	90.00	120.00
L-5006	NX-5700/5800 Programming (with basic TX/RX check)	28.13	37.50
L-5007	Install KWD-AE30K in NX-5000 series Mobile  (Must purchase module separately)	56.25	75.00
L-5008	(Must purchase module separately) Install KWD-AE31K in NX-5000 series Mobile (Must purchase module separately)	56.25	75.00

NEXEDGE DMR	NX-5700/5800/5900  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 -	99.00	132.00	
	<ul> <li>Trunked system operator (SYSOP) must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools.</li> <li>Must have KPG-D1NK.</li> </ul>			
	<ul> <li>Kenwood ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools.</li> </ul>			
L-5015	Non-SYSOR entities ordering L-5005 must provide verifiable written authorization from SYSOR to receive an Install KAP-2 (Default) HR1/Internal Sp./PA. Note: This labor code is only for indivisual orders for mobile configuration. The labor code (L-5032, 5034, 5036 and 5038) for Multi RF Deck Configuration Package includes installation of KAP-2.	18.75	25.00	
L-5016	Assemble NX-5000 Mobile for Single Remote Head Control	31.50	42.00	
L-5020	KCT-71 Extended Control Head Cable (up to 50 ft. max.)  Note: Please specify exact length at 1ft. increments when ordering.	142.50	190.00	
L-5021	Caution: Extended control head cables exhibit a loss in speaker audio nower to the control heads  KCT-71 Extended Control Head Cable (up to 100 ft. max.)  Note: Please specify exact length at 1ft. increments when ordering.	183.75	245.00	
L-5022	Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.  USB Mobile Cable for SD Card Direct Access Support  Note: microSD function reuires 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.	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	Mote: 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	135.00	180.00	

-- IMPORTANT NOTES regarding ENCRYPTION MODULES--



## NX-5700/5800/5900

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## 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:

### 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.

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Basic

• Belt Clip (KBH-11)

Acccessory Cover

Channel Stopper

User Guide

## NX-3200/3300

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VHF/UHF Digital & FM Analog Portable Radios

## **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 Dpad/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 Key2 Side PF Keys1W 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 .

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

- 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

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

warranty. No re-certification is available.

Standard Key

Purchase Battery, Charger, Antenna separately

*Note: To maintain immersion specs (IP67), all

Certification is valid under the 3 year premium

warranty service must be done by one of the three

National Kenwood Authorized Service Centers. IP67

All NX-3000 series portables include:

Premium Warranty: 3 Years*

All Accessories / options: 1 Year

**Full Key** 

- 139.2000 • 403.2000 • 460.8000 • 144.0000 • 408.0000 • 465.6000
- 412.8000 • 148.8000 • 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 • 504.0000 • 446.4000
  - 451.2000 • 508.8000 • 513.6000 • 456.0000

• 518.4000

## 2. Must equip <u>Accessory Cover</u> included with a Radio. Speaker Microphone does not cover IPs. **OPTIONAL FEATURES**

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

RADIO		EPL	LIST
NX-3200K	VHF (136-174MHz), 5.0 Watts, 64 CH, Non LCD and Non Keypad Model	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 PACI	KAGES	EPL	LIST
NX-3200K2-LKVP	VHF Hi-Cap Li-Ion Value Pack (NX-3200K2+KNB-57L+KSC-25LSK+KRA-26M)	601.50	802.00

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NEXEDGE [®] DMR	NX-3200/3300  VHF/UHF Digital & FM Analog Portable Radios	Table of Contents
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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 Programm	ing Unit (FPU)	EPL	LIST
KPG-D3NK	License Key for KPG-D3NK	116.25	155.00
	Programming Software for NX-3000 Portable/Mobile		
	Note: Requires KPT-300LMC for authentication		
Over The Air Pro	ogramming (OTAP)	EPL	LIST
KPG-180AP	Licence Key for KPG-180AP OTAP Manager Software	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		
	- NEVENCE Tune-D Trunking and DMP System not supported		
SOFTWARE UPGR	ADE LICENSES FOR KPG-180AP		
Note: Includes package	license for additional subscriber unit or license for additional profile attached to one computer running KPG-180A	AP software. All addit	ional licenses
require KPT-300LMC for	r authentication.		
KWD-AP5100	Additional 100 Radio Package License for 1 PC	1,250.25	1,667.00
1(VID-AI 0100	Note: License includes 100 subscriber radios OTAP License.		
KWD-AP5250	Additional 250 Radio Package License for 1 PC	2,187.75	2,917.00
1/1/10-7/1-0200	Note: License includes 250 subscriber radios OTAP License.		
KWD-AP5500	Additional 500 Radio Package License for 1 PC	3,125.25	4,167.00
KWD-AF3300	Note: License includes 500 subscriber radios OTAP License.	•	•

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NEXEDGE® DMR	NX-3200/3300 VHF/UHF Digital & FM Analog Portable Radios	Table of Contents
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Over The Air Progra	amming (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	150.00	200.00
	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"

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)	78.75	35.00
	Note: Voice Communication for Bluetooth Head Set does NOT require KWD-3002BT. You can pair with any		
	Bluetooth audio device without this option.		
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	337.50	450.00
	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.		
KWD-3504RC	License Key for Remote Control by Subscriber Unit	30.00	40.00
	Note:		
	- This license may be used by Administrator due to Stun/Revive/Kill.		
	- The license is only required for transmition of Remote Control commands.		

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

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NEXEDGE*  DMR  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 C	HARGERS	EPL	LIST	
KNB-78LM	3000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	90.00	120.00	
KNB-57L	3000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger 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 ACCES	SORIES	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 Kyepad 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	

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

<b>MICROPHONES</b>	& AUDIO ACCESSORIES	EPL	LIST
KMC-54WDM	MIL-SPEC, IP67 (Immersion) Speaker Mic Compatible with ANR Feature	97.50	130.00
	Note: only compatible with a NX-5000 series portable		
KMC-42WDM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic	85.50	114.00
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic	72.38	96.50
	Note: Not compatible with TDMA operation	***************************************	
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)	138.00	184.00
	Note: NOT compatible with TDMA operations		
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT	94.50	126.00
10-14	Note: NOT compatible with TDMA operations	J4.50	120.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & PTT	315.00	420.00
	Note: NOT compatible with TDMA operations		
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & PTT	276.00	368.00
14.10 10 011	Note: NOT compatible with TDMA operations	27 0.00	000.00
OPTION MODUL	ES	EPL	LIST
KCT-48VU	External Vibration Unit	52.50	70.00
	[Intrinsically Safe Approved Accessory]	02.00	. 0.00
SERVICE RELAT	Note: Audio accessories cannot be used when this ontion installed.  FED ACCESSORIES	EPL	LIST
	Full Speed USB Programming interface cable		
KPG-36XM	/ TUNING CHARGES	118.88 <i>EPL</i>	158.50 <i>LIST</i>
	Assemble KMB-16 with six KSC-25/25L		
L-836		11.25	15.00
L-961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
L-5001	Factory Activation of Radio Feature Licenses (per Radio)	90.00	120.00
	Note: Must purchase Radio Feature Licenses separately.  KPT-300LMC's History Menu will not display the Radio Features activated by Factory.		
• • • • • • • • • • • • • • • • • • • •	NX-3200/3300 Programming (with basic TX/RX check)	28.13	37.50
L-5052	14X-5200/5500 Frogramming (with basic FX/TXX check)	20.13	37.30

⁻⁻ 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

 $(customer\ distribution\ center,\ head quarters,\ dealership,\ manufacturer's\ representative)$ 

- * Business/Agency Name:
- * Address:
- * Contact Person Name:
- * Contact Phone:

 $\textbf{b) Ultimate Destination} : Final \ delivery \ point(s); \ deployment/distribution$ 

- * Business/Agency Name:
- * Address:
- * Contact Person Name:
- * Contact Phone:

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NEXEDGE[®]

# NX-3200/3300

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VHF/UHF Digital & FM Analog Portable Radios

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Basic

Belt Clip (KBH-11)

Channel Stopper

User Guide

• 2-PIN Accessory Cover

Premium Warranty: 3 Years*

All Accessories / options: 1 Year

## NX-3220/3320

**Table of Contents** 

VHF/UHF Digital & FM Analog Portable Radios

## **STANDARD**

## **■** GENERAL FEATURES

- 5 W (136-174 MHz) Models
- 5 W (400-520 MHz) Models
- 260 CH-GID / 128 Zones
- 64 CH-GID / 4 Zones (For Basic Models)
- Basic Models (w/o LCD and keypad)
- · Standard Keypad Models (w/ LCD and Dpad/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

## ■ 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

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

warranty. No re-certification is available.

Standard Key

Purchase Battery, Charger, Antenna separately

*Note: To maintain immersion specs (IP67), all

Certification is valid under the 3 year premium

warranty service must be done by one of the three

National Kenwood Authorized Service Centers. IP67

All NX-3000 series portables include:

**Full Key** 

- 139.2000 • 403.2000 • 460.8000 • 144.0000 • 408.0000 • 465.6000
- 148 8000 • 412 8000 • 470 4000 • 153.6000 • 417.6000 • 475.2000 • 480.0000 • 158.4000 • 422.4000
- 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 • 513.6000 456.0000

• 518.4000

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

## **OPTIONAL FEATURES**

- 1000 Channel (<u>KWD-3000CH</u> License Key Activation required)
   Front Panel Programming (<u>KWD-3001FP</u> License Key Activation required)
   Built-in Bluetooth® Module for Data (<u>KWD-3002BT</u> License Key Activation required)
   Digital Trunking (<u>KWD-3501TR</u> License Key Activation required)
- DMR ARC4 Enhanced Encryption (<u>KWD-3502EE</u> License Key Activation required)
   AES/DES Encryption (<u>KWD-3503AE</u> 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

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NEXEDGE	NX-3220/3320	Table of Contents	
DMR	VHF/UHF Digital & FM Analog Portable Radios		
Li-ion VALUE PAC	KAGES	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-lon 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	y Unit (FPU)	EPL	LIST
KPG-D3NK	License Key for KPG-D3NK Programming Software for NX-3000 Portable/Mobile	116.25	155.00
Over The Air Progr	Note: Requires KPT-300LMC for authentication	EPL	LIST
KPG-180AP	Licence Key for KPG-180AP OTAP Manager Software	663.00	884.00
14 0 100/4	<ul> <li>License includes Fifty (50) radios / One(1) NXDN Conventional and Type-C Air Communication Profile and One(1) NXDN Conventional and Type-C P Communication Profile Nate:</li> <li>Requires KPT-300LMC for authentication</li> </ul>	000.00	00 1.00
SOFTWARE UPGRAD	DE LICENSES FOR KPG-180AP		
• -	ense for additional subscriber unit or license for additional profile attached to one computer running KPG-180AP	software. All addit	ional licenses
require KPT-300LMC for au			4 00= 00
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	3,125.25	4,167.00
KWD-AF 3300	Note: License includes 500 subscriber radios OTAP License.		
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	miorido los pour convenidad and maining (1790 c composiz).		
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	5 or higher for the NXR-x00/NXR-x10 repeaters.		
Encryption Softwar	re 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	276.00	368.00
	- KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).	501	
Offline Authenticat	ion 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:  Democrated USB License Storage "KWD-OFL-USB"	150.00	200.00
Radio Features	- ramagai Gob Bansa omaga Awa-Gbi-Gob	EPL	LIST
KWD-3000CH	License Key for 1000 Channel Evagasian	120.00	160.00
KWD-3000CH KWD-3001FP	License Key for 1000 Channel Expansion	93.75	125.00
1/4/D-2001LL	License Key for Front Panel Programming	შა.1 ა	120.00

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NEXEDG DMR	NX-3220/3320	Table of Contents	
	VHF/UHF Digital & FM Analog Portable Radios		
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	26.25	35.00
KWD 2504TD	Bluetooth audio device without this option.	24.00	44.70
KWD-3501TR	License Key for Digital Trunking (Includes NXDN Type-C and Type-C Gen2)	31.28	41.70
KWD-3502EE	License Key for DMR ARC4 Enhanced Encryption	30.00	40.00
Radio Features, (	CON'T	EPL	LIST
KWD-3503AE	License Key for AES/DES Encryption  Note:	337.50	450.00
	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	~~~~	
KWD-3504RC	License Key for Remote Control by Subscriber Unit	30.00	40.00
	Note: - This license may be used by Administrator due to Stun/Revive/Kill.		
	- The license is only required for transmition of Remote Control commands.		
ANTENNAS	VIIIE Lavorantila halizal antagga 440 400 MIIIa	EPL	LIST
KRA-22M	VHF Low-profile helical antenna 148-162 MHz VHF Low-profile helical antenna 162-174 MHz	10.28	13.70
KRA-22M2	VHF Low-profile helical antenna 136-150 MHz	10.28	13.70
KRA-22M3	UHF Low-profile helical antenna 450-490 MHz	10.28	13.70
KRA-23M	UHF Low-profile helical antenna 470-512 MHz	10.28	13.70
KRA-23M2 KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	10.28	13.70
KRA-23M3 KRA-26M	VHF helical antenna 146-162 MHz	10.28 10.50	13.70 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-27 WIS	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	· · · · · · · · · · · · · · · · · · ·	EPL	LIST
	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger		
KNB-57L	1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	73.50	98.00
KNB-55L	1400 mAh, Ni-MH battery	45.00 49.75	60.00
KNB-56N KBP-5	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	48.75 26.75	65.00 40.00
KSC-25LSK	100~240 volt rapid rate single unit charger for	36.75 36.23	49.00 48.30
NOC-20LON	KNB-40LC(V)/55L/57L/68LC Li-ion Battery	30.23	40.30
KSC-25SK	110 volt Rapid rate single unit charger for	46.50	62.00
KSC-256K	KNB-26N/40LC(V/V55L/56N/57L/68LC 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	129.75	173.00
	(chargers not included).	123.73	175.00
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	63.00	84.00
KVC-23	(chargers not included) Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/NX-3x00/x00/x10/x20, TK-x180, TK-	225.00	300.00
CARRYING AGG	x170, & TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only.	EPL	LICT
CARRYING ACCE	Spring action belt clip (2.5")		<i>LIST</i>
KBH-11	Leather swivel belt loop with portable D-Ring attachment	11.03 21.64	14.70 28.85
KBH-13DS	Heavy-Duty Leather Case w/Swivel Belt Loop for Basic Model	21.64 36.75	28.85
KLH-206K	Troaty Daty Louisio Gudo Wowier Dat Loop for Dudio Would	36.75	49.00

NEXEDGE DMR	NX-3220/3320  VHF/UHF Digital & FM Analog Portable Radios	Table of Co	ntents
KLH-206K2	Heavy-Duty Leather Case w/Swivel Belt Loop for Standard Keypad Model	36.75	49.00

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# NEXEDGE® NX-3220/3320 VHF/UHF Digital & FM Analog Portable Radios Table of Contents

CARRYING ACC	ESSORIES, CON'T	EPL	LIST
KLH-206K3	Heavy-Duty Leather Case w/Swivel Belt Loop for Full Kyepad 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)	64.50	86.00
	Note: KMC-45 (Non D version) is not compatible with DMR (TDMA) operaiton.		
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	78.75	105.00
	Note: Available for Analog and NXDN (FDMA) only. NOT. compatible with DMR (TDMA) operations.		
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
	Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.		
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
KHS-10-BH	Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.  Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	276.00	368.00
	Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.		
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	252.00	336.00
KHS-22	Note: Available for Analog and NXDN (FDMA) only. NOT compatible with DMR (TDMA) operations.  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 RELAT	TED 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)	90.00	120.00
L 0001	Note: Must purchase Radio Feature Licenses separately.	30.00	120.00
L-5052	NX-3220/3320 Programming (with basic TX/RX check)	28.13	37.50
L-5054	Installation AES/DES for NX-3000 Portable/Moble	18.75	25.00
		10.10	

#### -- 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
- $\textbf{b) Ultimate Destination} : Final \ delivery \ point(s); \ deployment/distribution$
- * Business/Agency Name:

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NEXEDGE*

# NX-3220/3320

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VHF/UHF Digital & FM Analog Portable Radios

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**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 ±7.5kHz ranges) are not allowed;

- 139.2000 403.2000 144.0000 408.0000
- 465.6000
- 148.8000 • 412.8000 • 470.4000
- 153.6000 • 417.6000 • 475.2000
- 422.4000 427.2000 • 158.4000 • 480.0000 • 163.2000 • 484.8000
- 166.4000 • 432.0000 • 489 6000
- 436.8000 168 0000 494 4000
- 172.8000 • 441.6000 • 499.2000
  - 504.0000
    - 446.4000 • 451.2000 • 508.8000

    - 513 6000 456.0000
      - 518.4000

• 460.8000

#### **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
- 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

#### **OPTIONAL FEATURES**

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

- 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 Programm	ing Unit (FPU)	EPL	LIST
KPG-D3NK	License Key for KPG-D3NK	116.25	155.00
	Programming Software for NX-3000 Portable/Mobile		
	Note: Requires KPT-300LMC for authentication		
Over The Air Pro	ogramming (OTAP)	EPL	LIST

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NEXEDGE®  NX-3720HG/3820HG  OMR  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
Over The Air Pro	gramming (OTAP), CON'T	EPL	LIST
	ADE LICENSES FOR KPG-180AP		
	license for additional subscriber unit or license for additional profile attached to one computer running KPG-180	AP software. All addi	tional licenses
require KPT-300LMC for	authentication.	4.050.05	4 007 00
KWD-AP5100	Additional 100 Radio Package License for 1 PC  Note: License includes 100 subscriber radios OTAP License.	1,250.25	1,667.00
IAND ADECEO	Additional 250 Radio Package License for 1 PC	2,187.75	2,917.00
KWD-AP5250	Note: License includes 250 subscriber radios OTAP License.	2,1010	2,011.00
KWD-AP5500	Additional 500 Radio Package License for 1 PC	3,125.25	4,167.00
	Note: License includes 500 subscriber radios OTAP License.	407.50	050.00
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	187.50	250.00
KWD-AI I-OA	Serial Interface for both Conventional and Trunking (Type-C Gen1/Gen2).		
	Additional NXDN Conventional Type-C IP Communication Profile for 1 PC.	312.75	417.00
KWD-AP2-CP	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) .  It is a computer using the KPG-22XM LISB adapter for portables, or a KPG-46XM for mobiles.		
Base radios are connected Requires firmware version	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles. 2.5 or higher for the NXR-x00/NXR-x10 repeaters.	EPL	LIST
Base radios are connected Requires firmware version Encryption Softw	t to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles. 2.5 or higher for the NXR-x00/NXR-x10 repeaters.  Vare Keyloaders		
Requires firmware version	to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  Vare Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication	<i>EPL</i> 393.75	
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K	to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  //are Keyloaders  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
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K	to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  Vare Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication		525.00
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  //are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note: - Requires KPT-300LMC for authentication - KPG-AE1 is a LLS_DOC/BIS Export Controlled Item (ECCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note: - Requires KPT-300LMC for authentication	393.75	525.00
Base radios are connected Requires firmware version Encryption Softw. KPG-AE1K	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  //are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-AE1 is a LLS_DOC/BIS Export Controlled Item (ECCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-DE1 is a LLS_DOC/BIS Export Controlled Item (ECCN 5D002A)	393.75 276.00	525.00 368.00
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  // Are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-AE1 is a LLS_DOC/BIS Export Controlled Item (ECCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-DE1 is a LLS_DOC/BIS Export Controlled Item (ECCN 5D002A)  action Option	393.75 276.00 <i>EPL</i>	525.00 368.00 <i>LIST</i>
Base radios are connected Requires firmware version Encryption Softw. KPG-AE1K	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  //are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-AE1 is a LLS_DOC/BIS Export Controlled Item (ECCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-DE1 is a LLS_DOC/BIS Export Controlled Item (ECCN 5D002A)	393.75 276.00	525.00 368.00 <i>LIST</i>
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  // Are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-AE1 is a LLS. DOC/BIS Export Controlled Item (ECCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-DE1 is a LLS. DOC/BIS Export Controlled Item (ECCN 5D002A)  eation Option  USB License Storage Hardware key for Radio Feature License	393.75 276.00 <i>EPL</i>	525.00 368.00 <i>LIST</i>
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  // Are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-AE1 is a LLS. DOC/BIS Export Controlled Item (ECCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-DE1 is a LLS. DOC/BIS Export Controlled Item (ECCN 5D002A)  **Table Controlled Item (ECCN 5D002A)	393.75 276.00 <i>EPL</i>	525.00 368.00 <i>LIST</i>
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  // Are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-AE1 is a LLS. DOC/BIS Export Controlled Item (ECCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-DE1 is a LLS. DOC/BIS Export Controlled Item (ECCN 5D002A)  **Cation Option**  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.	393.75 276.00 <i>EPL</i>	525.00 368.00 <i>LIST</i>
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  // Are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-AE1 is a LLS. DOC/BIS Export Controlled Item (ECCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-DE1 is a LLS. DOC/BIS Export Controlled Item (ECCN 5D002A)  **Cation Option**  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	393.75 276.00 <i>EPL</i>	525.00 368.00 <i>LIST</i>
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  // Are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-AE1 is a LLS. DOC/BIS Export Controlled Item (ECCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-DE1 is a LLS. DOC/BIS Export Controlled Item (ECCN 5D002A)  **Cation Option**  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.	393.75 276.00 <i>EPL</i>	525.00 368.00 <i>LIST</i>
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic KWD-OFL-USB	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  // Are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-AE1 is a LLS. DOC/RIS Export Controlled Item (ECCN 5D002A).  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication  - KPG-DE1 is a LLS. DOC/RIS Export Controlled Item (ECCN 5D002A).  **Cation Option**  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.	393.75 276.00 <i>EPL</i> 150.00	525.00 368.00 <i>LIST</i> 200.00
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  /are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  Requires KPT-300LMC for authentication  KPG-AE1 is a LLS DOC/BIS Export Controlled Item (FCCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  Requires KPT-300LMC for authentication  KPG-DE1 is a LLS DOC/BIS Export Controlled Item (FCCN 5D002A)  action Option  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:	393.75 276.00 <i>EPL</i>	LIST 525.00 368.00  LIST 200.00
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic KWD-OFL-USB	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  /are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  Requires KPT-300LMC for authentication  KPG-AE1 is a LLS DOC/BIS Export Controlled Item (FCCN 5D002A)  License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  Requires KPT-300LMC for authentication  KPG-DE1 is a LLS DOC/BIS Export Controlled Item (FCCN 5D002A)  action Option  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:	393.75  276.00  EPL  150.00	525.00 368.00 <i>LIST</i> 200.00
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic KWD-OFL-USB  Radio Features  KWD-3000CH	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  //Are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication - KPG-AE1 is a LLS_DOC/BIS_Excort_Controlled_Hem_(ECCN-50002A) - License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication - KPG-DE1 is a LLS_DOC/BIS_Excort_Controlled_Hem_(ECCN-50002A) - Requires KPT-300LMC for authentication - KPG-DE1 is a LLS_DOC/BIS_Excort_Controlled_Hem_(ECCN-50002A) - Aution Option  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"  License Key for 1000 Channel Expansion  License Key for Front Panel Programming	393.75 276.00 <i>EPL</i> 150.00	525.00 368.00 <i>LIST</i> 200.00 <i>LIST</i> 160.00 125.00
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic KWD-OFL-USB  Radio Features  KWD-3000CH	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  //are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note: Requires KPT-300LMC for authentication KPG-BET is a LLS DOC/BIS Export Controlled Item (ECCN 50002A) License Key for DES Encryption Software Key Loader for KWD-3503AE  Note: Requires KPT-300LMC for authentication KPG-DET is a LLS DOC/BIS Export Controlled Item (ECCN 50002A)  ation Option  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"  License Key for T000 Channel Expansion License Key for Front Panel Programming License Key for Bluetooth Serial Port Profile (Required for Data Communication)	393.75  276.00  EPL  150.00	525.00 368.00 <i>LIST</i> 200.00 <i>LIST</i> 160.00 125.00
Base radios are connected Requires firmware version Encryption Softw KPG-AE1K  KPG-DE1K  Offline Authentic KWD-OFL-USB  Radio Features  KWD-3000CH  KWD-3001FP	d to a computer using the KPG-22XM USB adapter for portables, or a KPG-46XM for mobiles.  2.5 or higher for the NXR-x00/NXR-x10 repeaters.  //Are Keyloaders  License Key for AES/DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication - KPG-AE1 is a LLS_DOC/BIS_Excort_Controlled_Hem_(ECCN-50002A) - License Key for DES Encryption Software Key Loader for KWD-3503AE  Note:  - Requires KPT-300LMC for authentication - KPG-DE1 is a LLS_DOC/BIS_Excort_Controlled_Hem_(ECCN-50002A) - Requires KPT-300LMC for authentication - KPG-DE1 is a LLS_DOC/BIS_Excort_Controlled_Hem_(ECCN-50002A) - Aution Option  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"  License Key for 1000 Channel Expansion  License Key for Front Panel Programming	393.75  276.00  EPL 150.00  120.00 93.75	525.00 368.00 <i>LIST</i> 200.00

NEXEDGE DMR	NX-3720HG/3820HG  VHF/UHF Digital & FM Analog Mobile Radios	Table of Co	ntents
KWD-3503AE	Note:	337.50	450.00
	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.		
KWD-3504RC	License Key for Remote Control by Subscriber Units	30.00	40.00
	Note:		
	- This license may be used by Administrator due to Stun/Revive/Kill.		
	- The license is required for only Transmitting of Remote Control.		
	BO commend for Bossels Combilders NOT combined to the transfer		

MOBILE INSTA	LLATION 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 STA	TION 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
MICROPHONE	S 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)  Note: NOT compatible with TDMA operations	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  Note: requires KCT-60M installed	45.94	61.25
KCT-73MIC	External Microphone kit w/ 9.8 ft. cord for Safer Driving	20.25	27.00
KCT-74PTT	External PTT Switch kit w/ 9.8 ft cord for Safer Driving	17.25	23.00
SERVICE RELA	ATED ACCESSORIES	EPL	LIST
KPG-46XM	Full Speed USB Programming interface cable  Note: This cable with USB mode may be used for SD Card Direct Access.	118.88	158.50
INSTALLATION	I / TUNING CHARGES	EPL	LIST
L-5001	Factory Activation of Radio Feature Licenses (per Radio)  Note: Must purchase Radio Feature Licenses separately.	90.00	120.00
L-5053	KPT-300LMC'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/Moble AES	18.75	25.00

⁻⁻ IMPORTANT NOTES regarding ENCRYPTION SOFTWARE OPTION--



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

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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:

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**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 Keys2 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 OptionAES & 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 (ŬID & GID)
- 4 Priority Monitor ID's Remote Group Add
- System Auto Select

#### **DIGITAL - MULTI-SITE IP NETWORKS**

#### NEXEDGE Generation1 System

- 48site Trunkied IP Network
- · Auto Roaming Registraition
- Group Registration

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

#### NEXEDGE Generation2 System (option)

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

- 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 TrunkingMulti-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 APPROVE	ED 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

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NEXEDGE°	NX-200G/300G	Table of Co	ntents
	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

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

CSA US APPROVEI		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 C		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		
KIND-JUING	[FM & CSA-us ntrinsically Safe Option]	118.13	157.50
KNB-72LC-csa-us	1880 mAh, Li-ion battery - requires KSC-32/326K charger	157.50	210.00
	[CSA US Intrinsically Safe Option]		
KBP-7	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included	51.38	68.50
KSC-32	Note: the color of the case is orange  Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC		
NOO-32	Note: Includes 110/220V auto-switching AC adapter with U.Sstyle line cord plug; requires plug adapter for	52.50	70.00
	220V. Euro-style outlets (not supplied).		
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	143.25	191.00
10.10.45	(chargers not included) Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-		
KVC-15	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, &		
1110 20	TK-x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	225.00	300.00
CARRYING ACCES	SORIES	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
	Firemen's Heavy-Duty Leather Shoulder Strap	27.56	22.00 36.75
KLH-137ST			

NEXEDGE	NX-200G/300G	Table of Cont	ents
	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

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NEXEDGE°	NX-200G/300G	Table of Co	ontents
	VHF/UHF Digital & FM Analog Portables (w/ Built-In GPS)		
	VIII/OHF DIGITAL & FIN ATTAING FORTABLES (W/ BUILT-III GFS)		
CARRYING ACCESS	SODIES CONT	EPL	LIST
••••••	Nylon carrying case for NX-200/300/TK-5220/5320 (Non DTMF keypad models)	19.73	26.30
KLH-149K KLH-149K2	Nylon carrying case for NX-200/300/TK-5220/5320 (Not BTML keypad models)	19.73	26.30
SPECIAL COLOR H		EPL	LIST
SPECIAL COLOR III	OUSING	EFL	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 <u>L-1739</u> for Factory Install. (required for Intrinsically Safe & IP67 radio orders)	30.00	40.00
MICROPHONES & A	UDIO 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]	225.00	300.00
	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		***************************************
KMC 47CDCD	software and special configuration firmware from Kenwood Tools (no charge)	047.50	200.00
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	85.50	114.00
	[Intrinsically Safe Approved Accessory]		
KEP-1	Note: Radio does not have an IP67 Immersion ontion; meets MIL STD810 rain standards 3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics	39.38	52.50
NEP-1	[Intrinsically Safe Approved Accessory]	39.30	32.30
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector)	161.25	215.00
IZLIO AADI	[Intrinsically Safe Approved Accessory]	447.00	450.50
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)	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
KHS-15-BH	[Intrinsically Safe Approved Accessory]  Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	315.00	420.00
KI 13-13-DI 1	[Intrinsically Safe Approved Accessory]	313.00	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT	276.00	368.00
COETWARE & UCR	[Intrinsically Safe Approved Accessory]	EN.	LICT
SOFTWARE & USB	NEXEDGE OTAP Manager Windows Software.	EPL	LIST
KPG-150AP	• License Includes 10 radios / 1 Serial Port*	412.50	550.00
	• To add more radios/serial ports, you must contact Kenwood Systems Division		
	[1-800-TRUNKING]		
VDO 454V	Mate: NEXEDGE Tupo D Trupking and DMR not supported	000.75	505.00
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K  Authentication by KPT-300LMC is required	393.75	525.00
	Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).		
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K	276.00	368.00
0 52	Authentication by KPT-300LMC is required	270.00	000.00
	Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).		
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles	12.75	17.00
	Must order <u>L-1812</u> for factory installation, or <u>L-1813</u> for field-upgrade option		
	Note:		
***************************************	MPT Firmeware and FPU do NOT compatible. MPTs will be available on 3Q FY2016.		

NEXEDGE®	NX-200G/300G	Table of C	ontents
	VHF/UHF Digital & FM Analog Portables (w/ Built-In GPS)		
SOFTWARE & USB	OPTIONS, CON'T	EPL	LIST
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without. ESN. KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes KPG-97USB software for activating radios.	N/C	N/C
	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.		
	<ul> <li>KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders.</li> <li>KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.</li> </ul>		
OPTION MODULES		EPL	LIST
KCT-48VU	External Vibration Unit [Intrinsically Safe Approved Accessory]	52.50	70.00
KCT-57MS	Note: Audio accessories cannot be used when this ontion installed  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.	637.50	850.00
KWD-AE31K	Note: GPS Board must be removed to install this option.  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.	412.50	550.00
SERVICE RELATED	Note; GPS Board must be removed to install this option.	EPL	LIST
KPG-111DNK	Windows [®] Programming Software for NX-200/210/300/410/411/700/800/900/901	77.44	103.25
(Ver 4.4 or newer) KPG-36XM	(Compliant with FCC Part 90 Narrowbanding)  USB Programming interface cable	118.88	158.50
	CCESSORIES/TUNING	EPL	
KPG-143DNK	Windows [®] Programming Software for NX series MPT (Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included) Note:	77.44	103.25
KWD-NX10MPT	- Must order <u>L-1727</u> for Network Level License ID & programming privileges.  - Gen2.Enhanced.Ontion (KWD-NX2G-10) for MRT will be available on 30.EX2016.  MPT Trunking Field Upgrade Kit for NX series radio  Must order <u>L-1729</u> Note: Not compatible with any other firmware options.	50.03	66.70
L-1726	Bosia doos eat rotain LTR truekisa footusa onaa the MRT sation is isotallad. Install MPT option in NX series radio	18.75	25.00
L-1727 L-1728	Network Level License ID for KPG-143D(N) NX series Programmer  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	118.75 63.75	158.3 <u>3</u> 85.00
	order desk & copy of company P.O. or P.O. number.		
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 / TU		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)	

INSTALLATIO	INSTALLATION / TUNING CHARGES, CON'T		
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
1 4040	Must order an I.S. battery Install Gen2 Enhanced Option in NX series radio	40.75	25.00
L-1812	(Must purchase KWD-NX2G-10 separately)	18.75	25.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE	N/C	N/C
	(Must purchase KWD-NX2G-10 separately)		
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10	93.75	125.00
***************************************	(Must purchase KWD-NX2G-10 separately)		
L-1828	Install KWD-AE30K in NX-200G/300G series Portable	56.25	75.00
***************************************	(Must purchase module separately)		
L-1829	Install KWD-AE31K in NX-200G/300G series Portable	56.25	75.00
***************************************	(Must purchase module separately)		

#### -- 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

Page 50 of 132 NX-200G • 300G

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



# 210G series portable include: • Belt Clip (KBH-11)

- Universal Connector Cap
- · Instruction Manual
- Premium Warranty: 3 Years*
- * All Accessories / options: 1 Year

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

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

#### **GENERAL FEATURES**

- 5 W (136-174 MHz) Model
- 512 CH-GID / 128 Zones
- 12-Key Keypad Model
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language DisplayDate & 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 OperationConventional IP Networks
- Site Roaming

#### **DIGITAL - TRUNKING MODE**

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

#### DIGITAL - MULTI-SITE IP NETWORKS

#### **NEXEDGE Generation1 System**

- 48site Trunkied IP Network
- Auto Roaming Registraition
- Group Registration

#### NEXEDGE Generation1 System Bridge

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

#### NEXEDGE Generation2 System (option)

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

- 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 APPROVI	CSA US APPROVED MODELS EPL		
	Must Order L-1750 & an Intrinsically Safe Battery per radio		
NX-210-ISCGK2	136-174MHz 5W, 14 characters Alphanumeric LCD, 6 Control Keys, Full Key (I.S.)	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

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### ANTENNAS   FPL   LIS	NEXEDG	NX-210G	Table of (	Contents
### ATTENNAS    KRA-43GM				
KRA-43GM		WHE Digital & FM Analog Portables (W/ Built-in GPS)		
KRA-43GM	ANTENNAS		EPL	LIST
KRA-43GM3	KRA-43GM	VHF helical antenna 146-162 MHz (w/GPS)	13.05	17.40
KRA-26M2	KRA-43GM2	VHF helical antenna 162-174 MHz (w/GPS)	13.05	17.40
KRA-26M2	KRA-43GM3	VHF helical antenna 136-150 MHz (w/GPS)	13.05	17.40
KRA-28M3         VHF helical antenna 136-150 MHz         10.50         14.0           KRA-22M         VHF low-profile helical antenna 148-162 MHz         10.28         13.7           KRA-22M         VHF low-profile helical antenna 148-162 MHz         10.28         13.7           KRA-22M3         VHF Low-profile helical antenna 136-150 MHz         10.28         13.7           KRA-25         High gain VHF helically loaded winp antenna 146-162 MHz         31.50         42.0           KRA-26         Broad-band VHF helically loaded winp antenna 140-170 MHz         31.50         42.0           SATTERIES AND CHARGERS         FPL         LIS           KNB-41NC         2500 mAh, N-MH battery - requires KSC-32/328K charger         102.38         136.5           KNB-73LCM         2000 mAh, Li-Ino battery - requires KSC-32/328K charger         65.63         47.5           KNB-54N         2500 mAh, N-MH battery - requires KSC-32/328K charger         78.75         105.0           KNB-33L         2000 mAh, Li-Ino battery - requires KSC-32/328K charger         78.75         105.0           KNB-34L         3300 mAh, Li-Polymer battery - requires KSC-32/328K charger         122.25         163.0           KSC-32         Rapid rate single unit charger for KNB-31A/32N/3314/1043L/37L/48L/50NC         52.50         70.0           KSC-328K	KRA-26M	VHF helical antenna 146-162 MHz	10.50	14.00
KRA-28M3	KRA-26M2	VHF helical antenna 162-174 MHz		14.00
KRA-22M	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	VHF helical antenna 136-150 MHz	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	14.00
KRA-22M2	*******************************	VHF low-profile helical antenna 148-162 MHz	10.28	13.70
KRA-22M3         VHF Low-profile helical antenna 136-150 MHz         10.28         13.7           KRA-25         High gain VHF helically loaded whip antenna 148-162 MHz         25.69         34.2           KRA-28         Broad-band VHF helically loaded whip antenna 140-170 MHz         31,50         42.0           BATTERIES AND CHARGERS         EPL         LIS           KNB-41NC         2500 mAh, N-MH battery - requires KSC-32/326K charger         102.38         136-5           KNB-41NC         2000 mAh, Li-I-on battery - requires KSC-32/326K charger         104.25         139.0           KNB-73LCM         2000 mAh, Li-I-on battery - requires KSC-32/326K charger         65.63         87.5           KNB-31         2000 mAh, Li-I-D battery - requires KSC-32/326K charger         78.75         105.0           KNB-32         2000 mAh, Li-I-D battery - requires KSC-32/326K charger         78.75         105.0           KNB-33         2000 mAh, Li-I-D battery - requires KSC-32/326K charger         78.75         105.0           KSC-32         Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC         52.50         70.0           KSC-326K         Rapid rate Single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC         472.50         630.0           KWB-30M         Wall Mount Bracket for KSC-320K/256K         25.31	***************************************			13.70
KRA-25         High gain VHF helically loaded whip antenna 148-162 MHz         25.69         34.2           KRA-28         Broad-band VHF helically loaded whip antenna 140-170 MHz         31.50         42.0           BATTERIES AND CHARGERS         EPL         LIS           KNB-41NC         2500 mAh, N-MH battery - requires KSC-32/326K charger         102.38         136.5           KNB-73LCM         2000 mAh, Li-Ino battery - requires KSC-32/326K charger         104.25         139.0           KNB-54N         2500 mAh, N-MH battery - requires KSC-32/326K charger         65.63         87.5           KNB-33L         2000 mAh, Li-Ino battery - requires KSC-32/326K charger         78.75         105.0           KNB-43L         3300 mAh, Li-Polymer battery - requires KSC-32/326K charger         78.75         105.0           KNB-43L         3300 mAh, Li-Polymer battery - requires KSC-32/326K charger         78.75         105.0           KNB-43L         3300 mAh, Li-Polymer battery - requires KSC-32/326K charger         78.75         105.0           KNB-33L         2000 mAh, Li-Dolymer battery - requires KSC-32/326K charger         78.75         105.0           KNB-43L         3300 mAh Li-Polymer battery requires KSC-32/326K charger         78.75         105.0           KNB-23L         3400 mAh         140 mAh         140 mAh				13.70
KRA-28         Broad-band VHF helically loaded whip antenna 140-170 MHz         31.50         42.0           BATTERIES AND CHARGERS         EPL         LIS           KNB-41NC         2500 mAh, Ni-MH battery - requires KSC-32/326K charger         102.38         136.5           KNB-73LCM         2000 mAh, Li-Mh Battery - requires KSC-32/326K charger         104.25         139.0           KNB-73LCM         2000 mAh, Ni-Mh Battery - requires KSC-32/326K charger         65.63         87.5           KNB-54N         2500 mAh, Ni-Mh Battery - requires KSC-32/326K charger         78.75         105.0           KNB-33L         2000 mAh, Li-Ho battery - requires KSC-32/326K charger         122.25         163.0           KNB-43L         3300 mAh, Li-Polymer battery - requires KSC-32/326K charger         122.25         163.0           KSD-3         AX Alkaline Refliable Battery Pack (6 AA, 9V) cells not included         51.38         68.5           KSC-32         Rapid rate Sunit charger for KNB-31A/32N33L41NC/43L47L48L/50NC         52.50         70.0           KSC-326K         Rapid rate E-unit charger for KNB-31A/32N33L31NC/43L47L48L/50NC         472.50         630.0           KSC-326K         Rapid rate E-unit charger for KNB-31A/32N33L/31NC/43L/37L/48L/50NC         472.50         630.0           KMB-23         Six Unit Charger Adapter for the KSC-16/20/24L/52/5L/	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	······································		·····
RATHERIES AND CHARGERS   2500 mAh, N-MH battery - requires KSC-32/326K charger   102.38   136.5	***************************************			***********
KNB-41NC   2500 mAh, N-MH battery - requires KSC-32/326K charger   102.38   136.5				LIST
FM & CSA-us ntrinsically Safe Option				
ICSA-us intrinsically Safe Option	NND-4 INC		102.50	130.30
KNB-54N         2500 mAh, Ni-MH battery - requires KSC-32/326K charger         65.63         87.5           KNB-33L         2000 mAh, Li-lon battery - requires KSC-32/326K charger         78.75         105.0           KNB-431         3300 mAh, Li-lon battery - requires KSC-32/326K charger         122.25         163.0           KBP-6         AA Alkaline Refiliable Battery Pack (6 AA; 9V) cells not included         51.38         68.5           KSC-32         Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC         52.50         70.0           Mode: Includes 10/220V auto-switching AC adapter with U.Sstyle line cord plug, requires plug adapter for 220V Entrashbe guides foot sungles/.         52.50         70.0           KSC-326K         Rapid rate E-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC         472.50         630.0           KWB-30M         Wall Mount Bracket for KSC-326K/256K         25.31         33.7           KMB-23         Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers         143.25         191.0           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         119.0           KVC-23         Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-x170, & TK-x170, & TK-x180, TK-x170, & TK-x180, TK-x170, & TK-x180, TK-x170, & TK-x180, TK-x170, & TK	KNB-73LCM	2000 mAh, Li-ion battery - requires KSC-32/326K charger	104.25	139.00
KNB-33L   2000 mAh, Li-Ion battery - requires KSC-32/326K charger   78.75   105.0	***************************************			
KNB-43L   3300 mAh, Li-Polymer battery - requires KSC-32/326K charger   122 25   163.0	***************************************			87.50
KBP-6		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		105.00
Nate: the color of the case is orange.   Nate: the color of the case is orange.   RSC-32   Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC   Nate: Includes 110/220V auto-withing AC adapter with U.Sstyle line cord plug; requires plug adapter for 220V   Euro-style putlets, find; supposed withing AC adapter with U.Sstyle line cord plug; requires plug adapter for 220V   Euro-style putlets, find; supposed withing AC adapter with U.Sstyle line cord plug; requires plug adapter for 220V   Euro-style putlets, find; supposed withing AC adapter with U.Sstyle line cord plug; requires plug adapter for 220V   Euro-style putlets, find; supposed withing AC adapter for the KSC-326K/256K   25,31   33,7   KMB-30M   Wall Mount Bracket for KSC-326K/256K   25,31   33,7   KMB-23   Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers   143,25   191.0   (chargers not included)   (chargers not included)   (chargers not included)   KVC-15   Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC- 89.25   119.0   mobile bracket & cigarette lighter cable DC adapter)   x360 portables with Lithium lon /Lithium Polymer/NiMH packs only   225.00   300.0   x360 portables with Lithium lon /Lithium Polymer/NiMH packs only   6.26   8.3   KBH-10   Low profile spring action belt clip (for use with KNB-33L Only)   6.26   8.3   KBH-11   Spring action belt clip (2.5°)   11.03   14.7   KBH-8DS   Leather swivel belt loop / detachable swivel D-Ring attachment   19,73   26.3   KLH-6SW   Leather swivel belt loop / detachable swivel D-Ring back   16.50   22.0   XLH-137ST   Firemen's Heavy-Duty Leather Case (KLH-75B/76B/78B/79B/92/122/123/133/148/154)   27.56   36.7   for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B/92/122/123/133/148/154)   187.50   250.0   Nate: No tello politips is included, Must order KLH-6SW for belt loop   187.50   187.50   187.50   187.50   187.50   187.50   187.50   187.50   187.50   187.50   187.50   187.50   187.50   187.50   187.50   187.50   187.50	KNB-43L	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	122.25	163.00
Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC   S2.50   70.0   Note: includes 110/220V auto-switching AC adapter with U.Sstyle line cord plug; requires plug adapter for 220V   Education of the Common State of the Co	KBP-6		51.38	68.50
Note: Includes 110/12/20 auto-switching AC adapter with U.Sstyle line cord plug; requires plug adapter for 220V	KSC-32		52.50	70.00
KMB-30M         Wall Mount Bracket for KSC-326K/256K         25,31         33.7           KMB-23         Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers         143.25         191.0           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         119.0           KVC-23         Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-225.00         300.0           CARRYING ACCESSORIES         EPL         LIS           KBH-10         Low profile spring action belt clip (for use with KNB-33L Only)         6.26         8.3           KBH-8DS         Leather swivel belt loop with portable D-Ring attachment         19.73         26.3           KLH-6SW         Leather swivel belt loop / detachable swivel D-Ring back         16.50         22.0           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         36.7           KLH-154K2         Heavy duty leather carrying case for NX-210K2/410K2/411K2         33.19         44.2           MICROPHONES & AUDIO ACCESSORIES         EPL         LIS           KMC-51DM         MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1]         187.50         250.0           <		Note: Includes 110/220V auto-switching AC adapter with U.Sstyle line cord plug; requires plug adapter for 220V		
KMB-30M         Wall Mount Bracket for KSC-326K/256K         25,31         33.7           KMB-23         Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers         143.25         191.0           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         119.0           KVC-23         Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-225.00         300.0           CARRYING ACCESSORIES         EPL         LIS           KBH-10         Low profile spring action belt clip (for use with KNB-33L Only)         6.26         8.3           KBH-8DS         Leather swivel belt loop with portable D-Ring attachment         19.73         26.3           KLH-6SW         Leather swivel belt loop / detachable swivel D-Ring back         16.50         22.0           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         36.7           KLH-154K2         Heavy duty leather carrying case for NX-210K2/410K2/411K2         33.19         44.2           MICROPHONES & AUDIO ACCESSORIES         EPL         LIS           KMC-51DM         MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1]         187.50         250.0           <	KSC 336K	Euro-style outlets (not sunnlied).  Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	472.50	630.00
KMB-23	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~~~~~~~
(chargers not included)  KVC-15 Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)  KVC-23 Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-225.00 300.0 x360 portables with Lithium lon /Lithium Polymer/NiMH packs only  CARRY/ING ACCESSORIES  KBH-10 Low profile spring action belt clip (for use with KNB-33L Only) 6.26 8.3  KBH-11 Spring action belt clip (2.5") 11.03 14.7  KBH-8DS Leather swivel belt loop with portable D-Ring attachment 19.73 26.3  KLH-6SW Leather swivel belt loop / detachable swivel D-Ring back 16.50 22.0  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)  KLH-154K2 Heavy duty leather carrying case for NX-210K2/411K2 33.19 44.2  Note; No belt loop flap is included. Must order KLH-6SW for belt loop.  MICROPHONES & AUDIO ACCESSORIES  KMC-51DM MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] 187.50 250.0  Note; Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]			~~~~~~	************
KVC-15 Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)  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 lon /Lithium Polymer/NiMH packs only  CARRYING ACCESSORIES KBH-10 Low profile spring action belt clip (for use with KNB-33L Only) 6.26 8.3 KBH-11 Spring action belt clip (2.5") 11.03 14.7 KBH-8DS Leather swivel belt loop with portable D-Ring attachment 19.73 26.3 KLH-6SW Leather swivel belt loop / detachable swivel D-Ring back 16.50 22.0 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)  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.  MICROPHONES & AUDIO ACCESSORIES  KMC-51DM MIL-SPEC, IP54/55 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]  Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	NIVID-23		143.25	191.00
mobile bracket & cigarette lighter cable DC adapter)  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 lon /Lithium Polymer/NiMH packs only  CARRYING ACCESSORIES  KBH-10 Low profile spring action belt clip (for use with KNB-33L Only) 6,26 8,3 KBH-11 Spring action belt clip (2.5") 11,03 14,7 KBH-8DS Leather swivel belt loop with portable D-Ring attachment 19,73 26,3 KLH-6SW Leather swivel belt loop / detachable swivel D-Ring back 16,50 22,0 KLH-137ST Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B/92/122/123/133/148/154)  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.  MICROPHONES & AUDIO ACCESSORIES  KMC-51DM MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] Soft Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]  Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	KVC-15		89 25	119.00
CARRYING ACCESSORIES  KBH-10 Low profile spring action belt clip (for use with KNB-33L Only) 6.26 8.3  KBH-11 Spring action belt clip (2.5") 11.03 14.7  KBH-8DS Leather swivel belt loop with portable D-Ring attachment 19.73 26.3  KLH-6SW Leather swivel belt loop / detachable swivel D-Ring back 16.50 22.0  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)  KLH-154K2 Heavy duty leather carrying case for NX-210K2/410K2/411K2 33.19 44.2  Note: No belt loop flap is included. Must order KLH-6SW for belt loop.  MICROPHONES & AUDIO ACCESSORIES  KMC-51DM MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] 187.50 250.0  [Intrinsically Safe Approved Accessory]  **CSA Intrinsically Safe Approved Accessory]  Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	100 10	1	00.20	110.00
KBH-10 Low profile spring action belt clip (for use with KNB-33L Only)  KBH-11 Spring action belt clip (2.5")  KBH-8DS Leather swivel belt loop with portable D-Ring attachment  KLH-6SW Leather swivel belt loop / detachable swivel D-Ring back  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)  KLH-154K2 Heavy duty leather carrying case for NX-210K2/410K2/411K2 33.19  MICROPHONES & AUDIO ACCESSORIES  KMC-51DM MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] 187.50 250.00  KMC-52WDM MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.00  Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-	225.00	300.00
KBH-10         Low profile spring action belt clip (for use with KNB-33L Only)         6.26         8.3           KBH-11         Spring action belt clip (2.5")         11.03         14.7           KBH-8DS         Leather swivel belt loop with portable D-Ring attachment         19.73         26.3           KLH-6SW         Leather swivel belt loop / detachable swivel D-Ring back         16.50         22.0           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         36.7           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         44.2           MICROPHONES & AUDIO ACCESSORIES         EPL         LIS           KMC-51DM         MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1]         187.50         250.0           KMC-52WDM         MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1]         225.00         300.0           Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]         300.0         300.0		x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only		
KBH-11         Spring action belt clip (2.5")         11.03         14.7           KBH-8DS         Leather swivel belt loop with portable D-Ring attachment         19.73         26.3           KLH-6SW         Leather swivel belt loop / detachable swivel D-Ring back         16.50         22.0           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         36.7           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         44.2           MICROPHONES & AUDIO ACCESSORIES         EPL         LIS           KMC-51DM         MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1]         187.50         250.0           Intrinsically Safe Approved Accessory]         **CSA Intrinsically Safe Approved Accessory]         **CSA Intrinsically Safe Approved Accessory]         225.00         300.0	CARRYING ACC		EPL	LIST
KBH-8DS Leather swivel belt loop with portable D-Ring attachment 19.73 26.3  KLH-6SW Leather swivel belt loop / detachable swivel D-Ring back 16.50 22.0  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)  KLH-154K2 Heavy duty leather carrying case for NX-210K2/410K2/411K2 33.19 44.2  Note: No belt loop flap is included. Must order KLH-6SW for belt loop.  MICROPHONES & AUDIO ACCESSORIES  KMC-51DM MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] 187.50 250.0  [Intrinsically Safe Approved Accessory]  * CSA Intrinsically Safe Approved except for Group C gases.  KMC-52WDM MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.0  Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	KBH-10	Low profile spring action belt clip (for use with KNB-33L Only)	6.26	8.35
KLH-6SW Leather swivel belt loop / detachable swivel D-Ring back 16.50 22.0  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)  KLH-154K2 Heavy duty leather carrying case for NX-210K2/410K2/411K2 33.19 44.2  Note: No belt loop flap is included. Must order KLH-6SW for belt loop.  MICROPHONES & AUDIO ACCESSORIES  KMC-51DM MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] 187.50 250.0  [Intrinsically Safe Approved Accessory]  **CSA Intrinsically Safe Approved except for Group C gases.  KMC-52WDM MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.0  Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	KBH-11	Spring action belt clip (2.5")	11.03	14.70
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)  KLH-154K2 Heavy duty leather carrying case for NX-210K2/410K2/411K2 33.19 44.2 Note: No belt loop flap is included. Must order KLH-6SW for belt loop.  MICROPHONES & AUDIO ACCESSORIES  KMC-51DM MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] 187.50 250.0 [Intrinsically Safe Approved Accessory]  *CSA Intrinsically Safe Approved except for Group C cases.  KMC-52WDM MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.0 Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	19.73	26.30
KLH-137ST Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)  KLH-154K2 Heavy duty leather carrying case for NX-210K2/410K2/411K2 33.19 44.2 Note; No belt loop flap is included. Must order KLH-6SW for belt loop.  MICROPHONES & AUDIO ACCESSORIES  KMC-51DM MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] 187.50 250.0 [Intrinsically Safe Approved Accessory]  *CSA Intrinsically. Safe Approved except for Group C gases.  KMC-52WDM MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.0 Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	16.50	22.00
for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B/92/122/123/133/148/154)  KLH-154K2 Heavy duty leather carrying case for NX-210K2/410K2/411K2 33.19 44.2  Note; No belt loop flap is included. Must order KLH-6SW for belt loop.  MICROPHONES & AUDIO ACCESSORIES  KMC-51DM MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] 187.50 250.0  [Intrinsically Safe Approved Accessory]  *CSA Intrinsically. Safe Approved except for Group C gases.  KMC-52WDM MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.0  Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	***************************************	Firemen's Heavy-Duty Leather Shoulder Strap		36.75
MICROPHONES & AUDIO ACCESSORIES  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.  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]		for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)		
MICROPHONES & AUDIO ACCESSORIES  KMC-51DM  MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] 187.50 250.00 [Intrinsically Safe Approved Accessory]  **CSA Intrinsically Safe Approved except for Group C gases.  KMC-52WDM  MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.00 Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	KLH-154K2	Heavy duty leather carrying case for NX-210K2/410K2/411K2	33.19	44.25
KMC-51DM MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1] 187.50 250.00 [Intrinsically Safe Approved Accessory]  * CSA Intrinsically Safe Approved except for Group C gases.  KMC-52WDM MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.00 Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	MODOBUONES			LIOT
[Intrinsically Safe Approved Accessory]  * CSA Intrinsically Safe Approved except for Group C gases.  KMC-52WDM  MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.0  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.  KMC-52WDM MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.0 Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	KMC-51DM		187.50	250.00
KMC-52WDM MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1] 225.00 300.0  Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]				
Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards [Intrinsically Safe Approved Accessory]	KMC-52WDM		225.00	300.00
		Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards		
* CSA Intrinsically Safe Approved except for Group Croases				
Inote 1: To adjust microphone settings different from factory default, download KPG-147NC configuration	***************************************			
software and special continuration firmware from Kenwood Tools (no charge)				

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NEXEDGE	NX-210G  VHF Digital & FM Analog Portables (w/ Built-In GPS)	Table of (	Contents
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector	187.50	250.00
	[Intrinsically Safe Approved Accessory]  Note: 5/16" Coax cable hex wrench included (antenna is not included).		

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NEXEDGE	• NX-210G	Table of C	Contents
	VHF Digital & FM Analog Portables (w/ Built-In GPS)		
MICROPHONES & A	AUDIO ACCESSORIES, CON'T MIL-SPEC, IP54/55 Noise-canceling Speaker Mic	<i>EPL</i> 72.38	<i>LIST</i> 96.50
KMC-42WDM	[Intrinsically Safe Approved Accessory] 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	39.38	52.50
KCT-51	[Intrinsically Safe Approved Accessory] Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector)	161.25	215.00
KHS-11BL	[Intrinsically Safe Approved Accessory]  2-wire palm mic w/earphone, universal connector (Black)	117.38	156.50
KHS-12BL	[Intrinsically Safe Approved Accessory]  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	94.50	126.00
KHS-15-BH	[Intrinsically Safe Approved Accessory]  Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	315.00	420.00
KHS-15-OH	Safe Approved Accessory]  Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	276.00	368.00
SOFTWARE & USB	Safe Approved Accessory] 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	Moto: NEXEDGE Time D. Trunking and DMR not supported. AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required	393.75	525.00
KPG-DE1K	Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).  DES Encryption Software Key Loader for KWD-AE31K  Authentication by KPT-300LMC is required	276.00	368.00
KWD-NX2G-10	Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).  Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles	12.75	17.00
KWD-LIC-USB	Must order L-1812 for factory installation, or L-1813 for field-ungrade option  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.	N/C	N/C
	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.		
<b>OPTION MODULES</b>		EPL	LIST
KCT-48VU	External Vibration Unit [Intrinsically Safe Approved Accessory]	52.50	70.00
KCT-57MS	.Nate: Audio accessories cannot be used when this notion installed.  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

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

SERVICE RELATED ACCESSORIES			LIST
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901	77.44	103.25
	Note: Version 4.40 is required to program "G" models		
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	52.50	70.00
	Must order an I.S. battery,		
L-1812	Install Gen2 Enhanced Option in NX series radio	18.75	25.00
	(Must purchase KWD-NX2G-10 separately)		
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE	N/C	N/C
	(Must purchase KWD-NX2G-10 separately)		
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10	93.75	125.00
	(Must purchase KWD-NX2G-10 separately)		
L-1832	Install KWD-AE30K in NX-210G/410/411 series Portable	56.25	75.00
	(Must purchase module separately)		
L-1833	Install KWD-AE31K in NX-210G/410/411 series Portable	56.25	75.00
***************************************	(Must purchase module separately)		

#### -- 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.

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#### **NEXEDGE® Table of Contents** NX-240V/340U

### VHF/UHF Digital & FM Analog Portable Radios



#### All 40 series NX portables include:

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

#### **GENERAL FEATURES**

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

#### **GENERAL FEATURES**

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

#### **SCAN**

- · Single Zone Scan
- · Single Priority Scan (Conventional)

#### **ANALOG MODES - GENERAL**

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

#### FleetSync®/II

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

#### 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

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# NEXEDGE® NX-240V/340U WHF/UHF Digital & FM Analog Portable Radios

ANTENNAS, COI	N'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	LIS1
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers	156.38	208.50
	(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.		
	Dimosciosc::10.6(M).x.2.4(H).x.0.6(D).insbsaMaisbt::assssx10.bslosded.with.ebssasss/sedios)		
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	27.53	36.70
0.1.7.7.7.7.0.1.0.0	battery (charger not included)		
CARRYING ACC		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	30.75	41.00
IZLIC OC	head band) Clip Mic w/earphone	04.00	20.00
KHS-26	D-Ring Ear Hanger w/PTT & Mic	21.00	28.00
KHS-27A	C-Ring Ear Hanger w/PTT & Mic	18.38	24.50
KHS-31C		22.50	30.00
	TED ACCESSORIES	EPL	LIST
KPG-170DK	Windows® Programming Software for NX-240V/340U (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
KPG-22UM	(Compliant with FCC Part 90 Narrowbanding) USB Programming interface cable	118.88	158.50
•••••	NG ACTIVATION/TUNING	EPL	LIST
KWD-NXD40K	Type-D Trunking Option.	7.50	10.00
	Must order <u>L-1800</u> or <u>L-1801.</u>	7.50	10.00
	Note: Compatible with firmware version 3.00 or later.		
	Only Hardware <b>Version 2.0</b> can be available.		

NEXEDGE	E* NX-240V/340U	Table of Conten	ts
	VHF/UHF Digital & FM Analog Portable Radios		
L-1800	Factory Activation of Type-D Trunking Option.	N/C	N/C

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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	N/C	N/C
	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.		

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

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#### **NEXEDGE® Table of Contents** NX-410/411

### 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 DisplayDate & 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 OperationConventional 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 NETWORKS**

# NEXEDGE Generation1 System • 48site Trunkied IP Network

- · Auto Roaming Registraition
- Group Registration

- NEXEDGE Generation1 System Bridge

   8 Trunked Networks per radio (each in a zone)

   UID Lists for each network

#### NEXEDGE Generation2 System (option)

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

- 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
   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

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NEXEDG	NX-410/411 800/900 MHz Digital & FM Analog Portable Radios	Table of C	ontents
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-410/411 800/900 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	IEM & CSA-us ntrinsically Safe Ontionl 2000 mAh, Li-ion battery - requires KSC-32/326K charger	104.25	139.00
INID-7 SECIVI	[CSA-us ntrinsically Safe Option]	104.23	100.00
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
	Note: the color of the case is orange.  Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC		70.00
KSC-32	Note: Includes 110/220V auto-switching AC adapter with U.Sstyle line cord plug; requires plug adapter for 220V	52.50	70.00
	Euro-style outlets (not supplied).		
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	143.25	191.00
	(chargers not included)		
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-	89.25	119.00
KVC-23	mobile bracket & cigarette lighter cable DC adapter)  Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-	225.00	300.00
NVC-23	x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only	225.00	300.00
CARRYING ACCE		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	27.56	36.75
	for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)		
KLH-154K2	Heavy duty leather carrying case for NX-210K2/410K2/411K2	33.19	44.25
MICROPHONES	Note: No belt loop flap is included. Must order KLH-6SW for belt loop.  AUDIO ACCESSORIES	ED!	LICT
	MIL-SPEC, IP54/55 DSP Digital Noise-canceling Speaker Mic [see note 1]	EPL	LIST
KMC-51DM	[Intrinsically Safe Approved Accessory]	187.50	250.00
	* CSA Intrinsically Safe Approved except for Group C gases		
KMC-52WDM	MIL-SPEC, IP67 (Immersion) DSP Digital Noise-canceling Speaker Mic [see note 1]	225.00	300.00
	Note: Radio does not have an IP67 Immersion option; meets MIL STD810 rain standards		
	[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).		
KMC-47GPSD	GPS Speaker Microphone	217.50	290.00
	[Intrinsically Safe Approved Accessory]  * CSA Intrinsically Safe Approved except for Group C gases		
KMC-40	MIL-SPEC, Speaker Mic. with Antenna Connector	187.50	250.00
	[Intrinsically Safe Approved Accessory]		
1/140 / / / /	Note: 5/16" Coax cable hex wrench included (antenna is not included).		
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic [Intrinsically Safe Approved Accessory]	72.38	96.50
	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic	85.50	114.00
KMC-42MDM	WIL-OF LO, IF OF (ITHINGISION) NOISE-CARCEINING OPERACTIVITY		
KMC-42WDM	[Intrinsically Safe Approved Accessory]	65.50	114.00

NEXEDGE	NX-410/411 800/900 MHz Digital & FM Analog Portable Radios	Table of Contents	
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics [Intrinsically Safe Approved Accessory]	39.38	52.50

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NEXEDGE® NX-410/411		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)	161.25	215.00
KHS-11BL	[Intrinsically Safe Approved Accessory] 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
KHS-14	[Intrinsically Safe Approved Accessory] Lt. Wt. Single muff headset w/boom mic & In-line PTT	94.50	126.00
	[Intrinsically Safe Approved Accessory]		120.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	315.00	420.00
KHS-15-OH	Safe Approved Accessory]  Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	276.00	368.00
КПО-10-ОП	Safe Approved Accessory]	276.00	300.00
SOFTWARE OPTIC	· · · · · · · · · · · · · · · · · · ·	EPL	LIST
KPG-150AP	NEXEDGE OTAP Manager Windows Software.	412.50	550.00
	License Includes 10 radios / 1 Serial Port*  The state of the sta		
	To add more radios/serial ports, you must contact Kenwood Systems Division [1-800-TRUNKING]		
		***************************************	
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K	393.75	525.00
	Authentication by KPT-300LMC is required  Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).		
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K	276.00	368.00
• = =	Authentication by KPT-300LMC is required		000.00
	Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).		
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles	12.75	17.00
	Must order L-1812 for factory installation, or L-1813 for field-upgrade option  Note:		
	MPT. Firmeware and EPLL do NOT compatible. MPTs will be available on 30.EY2016.	***************************************	
KWD-LIC-USB	USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without	N/C	N/C
	<b>ESN</b> . 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.		
OPTION MODULES		EPL	LIST
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1832 if installation is required.	637.50	850.00
	KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device.		
	KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1).		
	[Intrinsically Safe Option]- Must be Kenwood installed for I.S.		
KWD-AE31K	AES & DES Encryption Module (Multi-Key)	412.50	550.00
	Order a Labor Code L-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.		
KCT-48VU	External Vibration Unit	52.50	70.00
1101 4010	[Intrinsically Safe Approved Accessory]		
1.01 4000	Note: Audio accessories cannot be used when this option installed.		
		16 50	22 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
	Man-Down Internal Tilt Switch (Non-Mercury)  [Intrinsically Safe Approved Accessory]- Must be Kenwood installed for I.S.	16.50 <i>EPL</i>	22.00 <i>LIS</i> 1

# NEXEDGE* NX-410/411 800/900 MHz Digital & FM Analog Portable Radios Table of Contents

INCTALL ATION /	TUNINO OLIADODO	501	LIOT
	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	1 NX-410/411 Programming (with basic TX/RX check)		37.50
L-1750	Configure NX-210/410/411 for Intrinsically Safe	52.50	70.00
	Must order an I.S. battery,		
L-1812	Install Gen2 Enhanced Option in NX series radio	18.75	25.00
***************************************	(Must purchase KWD-NX2G-10 separately)		
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE	N/C	N/C
	(Must purchase KWD-NX2G-10 separately)		
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10	93.75	125.00
L-1832	(Must purchase KWD-NX2G-10 separately) Install KWD-AE30K in NX-210G/410/411 series Portable	56.25	75.00
L-1032	(Must purchase module separately)	36.23	75.00
L-1833	Install KWD-AE31K in NX-210G/410/411 series Portable	56.25	75.00
L-1000	(Must purchase module separately)	30.23	73.00
MPT FIRMWARE/	ACCESSORIES/TUNING	EPL	LIST
KPG-143DNK	Windows® Programming Software for NX series MPT	77.44	103.25
	(Compliant with FCC Part 90 Narrowbanding)		
	(Dealer Level License ID included)		
	Note:		
	- Must order L-1727 for Network Level License ID & programming privileges.		
KWD-NX10MPT	Gen2 Enhanced Ontion (KWD-NX2G-10) for MPT will be available on 30 EY2016.  MPT Trunking Field Upgrade Kit for NX series radio	50.03	66.70
KVVD-INX TOIVIE I	Must order L-1729	30.03	00.70
	Note: Not compatible with any other firmware options.		
	Badio does not retain LTR trunking features once the MPT ontion is installed		
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	63.75	85.00
	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.		
1 4700	Mote: coo NY series MRT. Introduction Sales Bulletin for details	N/C	N/C
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE	N/C	N/C
L-1730	(Must purchase KWD-NX10MPT separately) Install KCT-57MS (for MPT Emergency Call)	15.00	20.00
L-1/3U	modal (C) O mo (ioi m)   Emergency can)	10.00	20.00

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# NEXEDGE® NX-410/411

## 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:
- * Cantast Danier 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

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#### **NEXEDGE® Table of Contents** NX-420 800 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 <u>L-1732</u> 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 NETWORKS**

#### NEXEDGE Generation1 System

- 48site Trunkied IP Network
- · Auto Roaming Registraition
- Group Registration

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

#### NEXEDGE Generation2 System (option)

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

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

#### ANALOG MODES - GENERAL

- 25 & 12.5 kHz ChannelsNPSPAC 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 PAC	KAGES	EPL	LIST
NX-420K3-SLKVP	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
<b>PACKAGES</b>		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 EPI		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

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NEXEDG	NX-420 800 MHz Digital & FM Analog Portable Radios	Table of	Contents
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	129.75	173.00
	(chargers not included)		
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers	143.25	191.00
***************************************	(chargers not included)		
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	84.00	112.00
KNB-55L	[Intrinsically Safe Option] 1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	4E 00	eo oo
>00000000000000000000000000000000000000	1400 mAh, Ni-MH battery	45.00	60.00
KNB-56N	2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger	48.75	65.00
KNB-57L	110 volt Rapid rate single unit charger for	73.50	98.00
KSC-25SK	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	36.23	48.30
NOC-ZOLON	KNB-40LC(V)/55L/57L/68LC Li-ion Battery	30.23	40.30
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers	63.00	84.00
	(chargers not included)		• • • • • • • • • • • • • • • • • • • •
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-	225.00	300.00
	x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only		
CARRYING ACC	ESSORIES	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
	& AUDIO ACCESSORIES	EPL	LIST
	GPS Speaker Microphone		
KMC-48GPS	[Intrinsically Safe Approval Accessory]	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 [Intrinsically Safe Approval Accessory]	38.63	51.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
INCI Z	[Intrinsically Safe Approval Accessory]	00.00	02.00
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
KHS-8BL	[Intrinsically Safe Approval Accessory] Two-Wire palm mic w/earphone (black)	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	~~~~~~	
***************************************	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	124.50	166.00
KHS-10-BH	Sofo Americal Accessory	276.00	368.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	252.00	336.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire	30.75	41.00

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NEXEDG	E° NX-420	Table of	Contents
	800 MHz Digital & FM Analog Portable Radios		
MICROPHONES &	AUDIO ACCESSORIES, CON'T	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 OPT	IONS	EPL	LIST
KPG-150AP	NEXEDGE OTAP Manager Windows Software.	412.50	550.00
	• License Includes 10 radios / 1 Serial Port*		
	<ul> <li>To add more radios/serial ports, you must contact Kenwood Systems Division</li> </ul>		
	[1-800-TRUNKING]		
KWD-MS10	Note: NEXEDCE Two. D. Tambina and DMP not currented.  Stationary & Motion Detection	45.00	60.00
TAVE MOTO	Must Order L-1700 or L-1835 to activate this feature.	40.00	00.00
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles	12.75	17.00
	Must order <u>L-1812</u> for factory installation, or <u>L-1813</u> for field-upgrade option		
	Note:		
KWD-LIC-USB	MPT Firmeware and EPU do NΩT comnatible. MPTs will be available on 3Ω EY2016.  USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series <u>without</u>	N/C	N/C
KWD-LIC-03B	ESN. KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes	IV/C	IN/O
	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.		
	<ul> <li>KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders.</li> <li>KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.</li> </ul>		
SERVICE RELATI	ED ACCESSORIES	EPL	LIST
KPG-141DNK	Windows® Programming Software for NX-220/320/420	77.44	103.25
IN O TITIBINI	(Compliant with FCC Part 90 Narrowbanding)		100.20
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	52.50	70.00
L-1732	Must Order an I.S. Battery	32.30	70.00
L-1812	Install Gen2 Enhanced Option in NX series radio	18.75	25.00
×*************************************	(Must purchase KWD-NX2G-10 separately)		
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE	N/C	N/C
	(Must purchase KWD-NX2G-10 separately)		405.00
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	77.44	103.25
THE OTTOBINITY	(Compliant with FCC Part 90 Narrowbanding)		100.20
	(Dealer Level License ID included)		
	Note:		
	- Must order <u>L-1727</u> for Network Level License ID & programming privileges.		
	Gen2 Enhanced Ontion (KWD-NX2G-10) for MPT will be available on 30 EY2016		
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio	50.03	66.70
	Must order <u>L-1729</u>		
	Note: Not compatible with any other firmware options.  Radio does not retain LTR trunking features once the MPT option is installed.		
L-1726	Install MPT option in NX series radio	18.75	25.00

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NEXEDGE*	NX-420	Table of Contents			
800 MHz Digital & FM Analog Portable Radios					
I -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 FIRMW	ARE/ACCESSORIES/TUNING, CON'T		LIST
L-1728	Retrofit Install of MPT option in NX series radio	63.75	85.00
	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.		
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE	N/C	N/C
	(Must purchase KWD-NX10MPT separately)		
L-1730	Install KCT-57MS (for MPT Emergency Call)	15.00	20.00

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# 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**

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

- ranges) are not allowed; • 147.0000 • 422.4000 • 483.0000
- 153.6000 441.0000 499.2000 • 168.0000 • 441.6000 • 504.0000
- 172.8000 460.8000 518.4000 • 403.2000 • 462.0000
- · 420.0000 · 480.0000

#### **GENERAL FEATURES**

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

#### **GENERAL FEATURES**

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

#### **DIGITAL - CONVENTIONAL MODE**

- Individual & Group Selective Call
- Conventional IP Networks

#### **SCAN**

- Single Zone Scan
- Single Priority Scan (Conventional)

#### **ANALOG MODES - GENERAL**

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

#### FleetSync®

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

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

^{**} All Accessories / options: 1 Year

DMR	MR TK-D240V/340U		Contents
	VHF/UHF Digital & FM Analog Portable Radios		
ANTENNAS, CO	DN'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 AN	D CHARGERS	EPL	LIST
KMB-28	Six Unit Charger Adapter for the KSC-23BK/28/35SK chargers	156.38	208.50
	(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.		
KNB-45L	Dimensions: 10.6(W\x.2.4(H\x.9.5(D\).inches. Weight: approx. 10.lbs. (loaded with characte/radios).  2000 mAh, Li-ion battery - requires KSC-35K/SK charger	47.25	63.00
KNB-43L	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	75.00 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	27.53	36.70
T(VO ZZ	battery (charger not included)	21.00	00.70
CARRYING ACC	CESSORIES	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
	Note: KMC-45 (Non D version) is not compatible with TDMA operation.	20.00	50.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
KMC-21	Compact speaker microphone  Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT	38.63	51.50
KHS-10-BH	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	252.00	336.00
	Note: Available for Analog only. NOT compatible withDigital (TDMA) operations.		
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	Note: Available for Analog only. NOT compatible withDigital (TDMA) operations.  Two-Wire palm mic w/earphone (black)	77 11	103.25
VU2-0BF	Note: Available for Analog only. NOT compatible withDigital (TDMA) operations.	77.44	103.25
KHS-9BL	Three-Wire lapel mic w/earphone (black)	124.50	166.00
	Note: Available for Analog only. NOT compatible withDigital (TDMA) operations.		
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
	TED ACCESSORIES	EPL	LIST
KPG-166DNK	Windows® Programming Software for TK-D240V/340U/740HV/840HU	77.44	103.25
KPG-100DNK	USB Programming interface cable	118.88	158.50
	/ TUNING CHARGES	EPL	LIST
L-1798	TK-D240V/340U Programming (with basic TX/RX check)	28.13	37.50

# **Table of Contents TK-190** Low Band VHF Portable Radio



#### 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 Scan7-Character Alphanumeric Aliases

- Lighted 13-Segment LCD
  Inverting LCD Display
  3-Digit Sub-Display
  Function / Status LCD Icons

  LCD LCD Icons

  Tenders of the segment LCD

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- 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		
	<u>Caution</u> : 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		
BATTERIES AI	transmitters final nower amplifier circuit  ND 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
INID OTHO	[Intrinsically Safe Approved Accessory]	00.00	114.00
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	40.50	
1.00 2 10	for KNB-20N/21N/22NC/52N	46.50	62.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers	129.75	173.00
-	(chargers not included)	129.75	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers	143.25	191.00
	(chargers not included)	143.23	191.00
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers	63.00	84.00
	(chargers not included)	03.00	04.00

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	TK-190  Low Band VHF Portable Radio	Table of Co	ontents
CARRYING ACC	ESSORIES	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)  Cordura Nylon carrying case for TK-190/290/390/5400 (Non DTMF keypad models)	40.70	
KLH-88		19.73	26.30
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap	27.56	36.75
IZI I I 4.44	for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148/154)  Extra Heavy-Duty Cordura Nylon carrying case	26.06	24.75
KLH-141	for TK-190/290/390 (all battery packs; no keypad access)	26.06	34.75
MICROPHONES	& AUDIO ACCESSORIES	EPL	LIST
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics	39.38	52.50
INEI I	[Intrinsically Safe Approved Accessory]	00.00	02.00
KMC-25A	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		
1410 4451	inadequate ground plane properties on a speaker microphone at low band frequencies (the TK-190 does not have	447.00	450.50
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)	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
VUC 15 DU	[Intrinsically Safe Approved Accessory]  Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	315.00	420.00
KHS-15-BH	Safe Approved Accessory]	0.0.00	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	276.00	368.00
	Safe Approved Accessory		
OPTION MODUL		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 RELAT	TED 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
	/ 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
I 1060	Must Order an I.S. Battery 80/90 PORTABLE KCT-57MS INSTALLATION (FOR FLEETSYNC)	1E 00	20 00
L-1060	and the second s	15.00	20.00

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# TK-2170/3170

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#### Compact VHF/UHF FM Portable Radios



#### 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 ZonesSingle 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
<b>PACKAGES</b>		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 PAC	CKAGES	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

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	TK-2170/3170  Compact VHF/UHF FM Portable Radios	Table of	Contents
ANTENNAS, CO		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 AN	D 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
KSC-25LSK	[Intrinsically Safe Option] 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
<b>CARRYING ACC</b>	CESSORIES	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
<b>MICROPHONES</b>	& 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	[Intrinsically Safe Approval Accessory]  Compact speaker microphone	38.63	51.50
KEP-1	[Intrinsically Safe Approval Accessory] 3.5mm earphone kit for KMC-48GPS Speaker Mics [Intrinsically Safe Approval Accessory]	39.38	52.50
KEP-2	2.5mm earphone kit for KMC-17/45 Speaker Mic [Intrinsically Safe Approved Accessory]	39.38	52.50
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically	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	52.50	70.00
KHS-7A	[Intrinsically Safe Approval Accessory]  Lt. Wt Single muff headset w/boom mic & in-line PTT	78.75	105.00
KHS-8BL	[Intrinsically Safe Approval Accessory] Two-Wire palm mic w/earphone (black)	77.44	103.25

TK-2170/3170  Compact VHF/UHF FM Portable Radios		Table of Contents	
MICROPHONES	& AUDIO ACCESSORIES, CON'T	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
<b>OPTION MODUL</b>	ES	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 RELAT	TED ACCESSORIES	EPL	LIST
KPG-101DNK	Windows® Programming Software for TK-2170/3170/3173  (Compliant with FCC Part 90 Narrowbanding)  Note: Self-orogramming function is not available.	77.44	103.25
KPG-22UM	USB Programming interface cable	118.88	158.50
<b>INSTALLATION</b>	/ 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 / ĎQT
- 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 ---

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* 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 PAG	CKAGES	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
<b>PACKAGES</b>		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

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	TK-3173  UHF Trunking & Conventional Compact Portable Radio	Table of Cor	ntents
KNB-56N	1400 mAh, Ni-MH battery	48.75	65.00

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# TK-3173 UHF Trunking & Conventional Compact Portable Radio

BATTERIES AN	D 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	36.23	48.30
KSC-25SK	KNB-40LC(V)/55L/57L/68LC Li-ion Battery  110 volt Rapid rate single unit charger for	46.50	62.00
NSC-205N	KNB-26N/40LC(V)/55L/56N/57L/68LC	46.50	02.00
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	129.75	173.00
KIND-10	(chargers not included)	129.73	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers	143.25	191.00
	(chargers not included)		
KVC-4	Vehicular charger adapter for the KSC-16/18/20/24/25 chargers	63.00	84.00
	(chargers not included)		
KVC-23	Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-	225.00	300.00
	x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only		
CARRYING ACC	CESSORIES	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
	& 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
KEP-2	[Intrinsically Safe Approval Accessory] 2.5mm earphone kit for KMC-17/45 Speaker Mic	20.20	52.50
NEP-Z	[Intrinsically Safe Approved Accessory]	39.38	52.50
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]	270.00	000.00
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
KHS-7A	[Intrinsically Safe Approval Accessory] Lt. Wt Single muff headset w/boom mic & in-line PTT	78.75	105.00
KH3-1A	[Intrinsically Safe Approval Accessory]	76.75	105.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	77.44	103.25
	Three-Wire lapel mic w/earphone (black)	104 50	
KHS-9BL		124.50	166.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver (low profile wire	30.75	41.00
1410.00	head band)		
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
	LES	EPL	LIST
OPTIONLMODU		EFL	LIST
OPTION MODUL	Man David Internal Tit Ovikels (Non Managers)	46.70	
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) [Intrinsically Safe Approved Accessory]- Must be Kenwood installed for I.S.	16.50	22.00

# TK-3173 UHF Trunking & Conventional Compact Portable Radio

			1)
SERVICE RELAT	TED ACCESSORIES	EPL	LIST
KPG-101DNK	Windows® Programming Software for TK-2170/3170/3173 (Compliant with FCC Part 90 Narrowbanding)	77.44	103.25
INSTALLATION	Motes Self programming function in not available / 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

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# 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 PAG	CKAGES	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
<b>PACKAGES</b>		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. APPR	ROVED 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

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#### **Table of Contents** TK-2360/3360 Compact VHF/UHF FM Portable Radios **ANTENNAS EPL** LIST VHF Low-profile helical antenna 148-162 MHz KRA-22M 10.28 13.70 VHF Low -profile helical antenna 162-174 MHz KRA-22M2 10.28 13.70 VHF Low-profile helical antenna 136-150 MHz KRA-22M3 10.28 13.70 UHF Low-profile helical antenna 450-490 MHz KRA-23M 13.70 10.28 UHF Low-profile helical antenna 470-512 MHz KRA-23M2 10.28 13.70 UHF Low-profile helical antenna 403-430 MHz 10.28 KRA-23M3 13.70 KRA-26M VHF helical antenna 146-162 MHz 10.50 14.00 VHF helical antenna 162-174 MHz KRA-26M2 10.50 14.00 VHF helical antenna 136-150 MHz KRA-26M3 10.50 14.00 UHF whip antenna 440-490 MHz KRA-27M 10.50 14.00 KRA-27M2 UHF whip antenna 470-520 MHz 10.50 14.00 UHF whip antenna 400-450 MHz KRA-27M3 10.50 14.00 **BATTERIES AND CHARGERS EPL** LIST AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included KBP-5 36.75 49.00 2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger KNB-68LC 84.00 112.00 [Intrinsically Safe Option] 1480 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger KNB-55L 45.00 60.00 1400 mAh, Ni-MH battery KNB-56N 48.75 65.00 2000 mAh, Li-ion battery - requires KSC-25SK/25LSK/256K charger KNB-57L 73.50 98.00 100~240 volt rapid rate single unit charger for KSC-25LSK 48.30 36.23 KNB-40LC(V)/55L/57L/68LC Li-ion Battery KSC-25SK 110 volt Rapid rate single unit charger for 46.50 62.00 KNB-26N/40LC(V)/55L/56N/57L/68LC Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC(V)/55L/56N/57L/68LC KSC-256K 472.50 630.00 Wall Mount Bracket for KSC-326K/256K KMB-30M 25.31 33.75 Six Unit Charger Adapter for the KSC-16/20/24/25/25L chargers **KMB-16** 129.75 173.00 (chargers not included) Six Unit Charger Adapter for the KSC-16/20/24/25/25L/32 chargers **KMB-23** 143.25 191.00 (chargers not included) KVC-4 Vehicular charger adapter for the KSC-16/18/20/24/25 chargers 63.00 84.00 (chargers not included) Rapid rate DC vehicular charger for TK-5x10/5x20, NX-5x00/x00/x10/x20, TK-x180, TK-x170, & TK-KVC-23 225.00 300.00 x360 portables with Lithium Ion /Lithium Polymer/NiMH packs only **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 Spring action belt clip KBH-12 6.26 8.35 Leather swivel belt loop with portable D-Ring attachment KBH-13DS 21.64 28.85 **MICROPHONES & AUDIO ACCESSORIES EPL** LIST KMC-48GPS **GPS Speaker Microphone** 198.75 265.00 [Intrinsically Safe Approval Accessory] 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-2 2.5mm earphone kit for KMC-17/45 Speaker Mic 39.38 52.50 [Intrinsically Safe Approval 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 Approval Accessory] Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically KHS-10-OH 252.00 336.00 Safe Approval Accessory] KHS-7 Single muff headset w/boom mic 70.00 52.50

[Intrinsically Safe Approval Accessory]

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

<b>MICROPHONES</b>	& AUDIO ACCESSORIES, CON'T	EPL	LIST
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	30.75	41.00
	head band)		
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 MODUL	<i>E</i> S	EPL	LIST
CT-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-1679 for FleetSync® operations		
SERVICE RELAT	TED ACCESSORIES	EPL	LIST
KPG-128DNK	Windows® Programming Software for TK-2360/3360	77.44	103.25
	(Compliant with FCC Part 90 Narrowbanding)		
KPG-22UM	USB Programming interface cable	118.88	158.50
INSTALLATION .	/ TUNING CHARGES	EPL	LIST
836	Assemble KMB-16 with six KSC-25/25L	11.25	15.00
₋ -961	Assemble KMB-23 with six KSC-24/25/25L/32 (Rapid Rate, 120 Volt versions only)	12.75	17.00
₋ -1678	TK-2360/3360 Programming (with basic TX/RX check)	28.13	37.50
1679	TK-2360/3360 Portable KCT-57MS Installation (for FleetSync®/MDC)	15.00	20.00
₋ -1716	Configure TK-2360/3360 for Intrinsically Safe	52.50	70.00
	Must Order an I.S. Battery		***************************************

# TK-2312/3312

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#### **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

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	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	O CHARGERS, CON'T	EPL	LIST
KSC-35SK KSC-43K	110~220 volt Fast rate single unit charger for KNB-45L Li-ion battery 110~220 volt Fast rate single unit charger for KNB-29N/45L/69L	23.63 27.53	31.50 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.		
KVC-22	Dimosciose: 40.6/Wix 2.4/Hix 0.6(D) inches. Moiabt. იიიია10.bs. docdod.with chargess/cadios)	27.53	36.70
CARRYING ACC	ESSORIES	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
<b>MICROPHONES</b>	& 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 RELAT	TED 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)	77.44	103.25
INSTALLATION /	Note: Self-programming function is not available / TUNING CHARGES  TK-2312/3312 Programming (with basic TX/RX check)	<i>EPL</i> 28.13	<i>LIST</i> 37.50
	,		

# TK-2400K2/3400K2

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### **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
TI/ 0400I/0	400 474 MIL VIIIE ON 40 OI	404.00	040.50
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 KRA-22M2	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 KRA-23M	VHF Low-profile helical antenna 136-150 MHz	10.28	13.70 13.70 13.70
	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 14.00
KRA-26M2	VHF helical antenna 162-174 MHz	10.50	14.00
KRA-26M3 KRA-27M	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	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
BATTERIES AN	D CHARGERS, CON'T	EPL	LIST
KVC-22	110~220 volt Fast rate DC vehicular charger adapter for KSC-35SK charger & KNB-45L Li-ion battery (charger not included)	27.53	36.70
CARRYING ACC	CESSORIES	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
<b>MICROPHONES</b>	& 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 RELA	TED 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

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# **ProTalk**

# TK-2400V16P/3400U16P

**Table of Contents** 

### **VHF/UHF BRS Portable Radios**



### 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

#### **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

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 VHF/UHF BRS Portable Radios Table of Contents

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
<b>MICROPHONES</b>	& 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 Čall & 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

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	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	156.38	208.50
KVC-22	and less weight than similar Kenwood six unit charger adapters.  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 ACC		EPL	LIST
KBH-10 KBH-8DS KLH-6SW	Spring action belt clip  Leather swivel belt loop with portable D-Ring attachment  Leather swivel belt loop / detachable swivel D-Ring back	6.26 19.73 16.50	8.35 26.30 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 KMC-45D KMC-21	GPS Speaker Microphone  MIL-SPEC, IP54/55 Speaker microphone (Built-in 2.5mm miniature earphone jack)  Compact speaker microphone	198.75 64.50 38.63	265.00 86.00 51.50
KEP-1 KEP-2	3.5mm earphone kit for KMC-48GPS Speaker Mics 2.5mm earphone kit for KMC-17/45 Speaker Mic	39.38	52.50
KHS-10-BH KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT  Hvy-duty noise reduction over-the-headset w/noise cancel boom mic /in-line PTT	39.38 276.00 252.00	52.50 368.00 336.00
KHS-7A	Single muff headset w/boom mic  Lt. Wt Single muff headset w/boom mic & in-line PTT	52.50 78.75	70.00
KHS-8BL	Two-Wire palm mic w/earphone (black)  Three-Wire lapel mic w/earphone (black)	77.44	103.25
KHS-9BL KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver	124.50 30.75	166.00 41.00
KHS-26 KHS-27A	Clip Mic w/earphone D-Ring Ear Hanger w/PTT & Mic	21.00 18.38	28.00 24.50
KHS-31C	C-Ring Ear Hanger w/PTT & Mic	22.50	30.00
SERVICE RELAT	TED ACCESSORIES	EPL	LIST
KPG-22UM KPG-159DNK	USB Programming interface cable  Windows® Programming Software for TK-2402VK/3402UK  (Compliant with FCC Part 90 Narrowbanding)	118.88 77.44	158.50 103.25
INSTALLATION /	/ TUNING CHARGES	EPL	LIST
L-1756	TK-2402VK/3402UK Programming (with basic TX/RX check)	28.13	37.50

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## **ProTalk Table of Contents TK-3230DX UHF BRS Portable Radios**



#### XLS series portable includes:

- Spring action belt clip
- Rapid Rate Drop-in charger
- Fixed Antenna
- 2000 mAh Li-ion Battery
- · Instruction Manual
- Standard Warranty: 2 Years*
- * All Accessories / options: 1 Year

#### **GENERAL FEATURES**

- UHF 1.5 Watt or 500 mW Transmit Power
- · Extra Durable Polycarbonate Housing

- Small (2.07" W x 4.07" H x 1.17" D) & Lightweight (5.5 oz)
  Li-lon 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
<b>BATTERIES AND</b>	CHARGERS	EPL	LIST
KNB-46L	Li-Ion battery (Same as supplied with TK-3230DXK)	35.44	47.25
KSC-37S	Li-lon 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	156.38	208.50
	(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.		
CARRYING ACCE	Dimensions: 10.6/M0.x 2.4/H0.x 9.5(D) inches. Weight, approx. 10.ths. (loaded with	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	39.38	52.50
	[KEP-2 & KMC-21 are not plug-compatible]		
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	30.75	41.00
	(low profile wire head band)		
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

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# ProTalk TK-3230DX UHF BRS Portable Radios Table of Contents

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

⁻⁻ NOTES --

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

## **ProTalk Table of Contents PKT-23 UHF BRS Portable Radios**



#### LT series portable includes:

- Spring action belt clipDrop-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-lon 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	<u></u>	EPL	LIST
PKT-23K	451-470 MHz UHF 1.5W or 500 mW, 4 Ch. Ultra Compact Portable	131.25	175.00
<b>BATTERIES AI</b>	ND CHARGERS	EPL	LIST
KNB-71L	Li-lon 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 Muli-AC Adapter (Charging Cups not included)	125.25	167.00
CARRYING AC	CESSORIES	EPL	LIST
KBH-20M	Belt Clip (Same as supplied with PKT-23K & bulk PKT-23BKP)	7.01	9.35
MICROPHONE	S & 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	N / TUNING CHARGES	EPL	LIST
L-1773	Change channel to other frequencies or program PKT-23	18.75	25.00

⁻⁻ NOTES --

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

**Table of Contents** 

#### VHF/UHF FM Mobile Radios



#### 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) MOUNTING CONFIGURATIONS
- 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

- 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	RX	TX
Wodel	Freq. Range	Ch. Spread	Ch. Spread
TK-890BK/K	450-490	20 MHz	40 MHz
	Factory Default:	450-470	450-490
	Order L-850:	460-480	450-490
	Order L-030.	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

VHF/UHF FM Mobile Radios

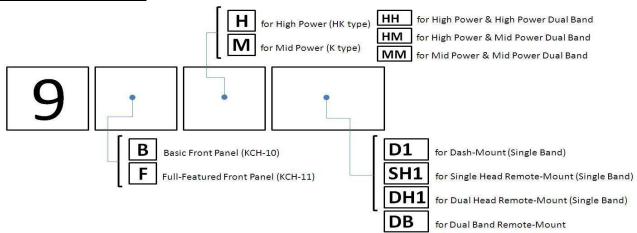
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VHF/UHF FM Mobile Radios

### **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 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

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 S	ingle Head Remote Mount	EPL	LIST
9BHHDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	571.13	761.50
9BHMDB	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
9FHHDB	KCH-11, KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	680.06	906.75
9FHMDB	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 D	ual 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

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	TK-690/790/890  VHF/UHF FM Mobile Radios	Table	of Contents
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

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#### VHF/UHF FM Mobile Radios 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, 1,374.75 1,031.06 KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2), KES-5(x2) 9FFMM 1,006.13 1,341.50 FRONT PANELS & REMOTE KITS (Order Configuration Sets for full install accessories) **EPL** LIST Basic Control Panel KCH-10 147.00 110.25 Full Featured Control Panel KCH-11 173.25 231.00 KRK-5 Single Control Head Remote Mount Kit 147.00 110.25 **Dual Control Head Remote Mount Kit** KRK-6DH 189.00 252.00 Dual Band Control Head Remote Mount Kit KRK-7DB 196.88 262.50 Dual Band Dual Head Remote Mount Kit KRK-8DBH 212.63 283.50 **CABLES EPL** LIST Ignition sense cable KCT-18 10.28 13.70 Control cable - 8 Feet KCT-22M 55.13 73.50 Control cable - 17 Feet (Standard accessory config. set cable) KCT-22M2 63.00 84.00 Control cable (25 Feet) 70.88 94.50 KCT-22M3 DC Cable (35/45W Dash mount) KCT-23M 23.63 31.50 DC Cable (75/110W Dash mount) KCT-23M2 29.06 38.75 DC Cable (35/45W Remote mount) KCT-23M3 26.06 34.75 DC Cable (75/110W Remote mount) KCT-23M4 33.94 45.25 MOBILE INSTALLATION ACCESSORIES **EPL** LIST Line Filter (suppresses alternator whine, 25dB, 25A max) KLF-2 31.50 42.00 19.73 26.30 **KMB-10** Key Lock Adapter for use with KMB-4/5/6 KMB-5 Medium Power Mounting Bracket (35W/45W models) 10.50 14.00 KMB-9 27.56 36.75 Heavy Duty Mounting Bracket with built-in key lock **MICROPHONES AND SPEAKERS EPL** LIST External Speaker (40W max input) 61.25 KES-5 45.94 KMC-27 Rugged standard microphone with noise canceling, MIL-STD and driven rain features 78.00 104.00 DTMF microphone (MIL-SPEC, Noise canceling) KMC-28 122.25 163.00 Desk top microphone KMC-9B 72.38 96.50 SERVICE RELATED ACCESSORIES **EPL** LIST USB Programming interface cable KPG-43UM 158.50 118.88 **KPG-44DNK** Windows® Programming Software for TK-690/790/890 51.38 68.50

(Compliant with FCC Part 90 Narrowbanding)

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# TK-690/790/890 VHF/UHF FM Mobile Radios

INSTALLATIO	ON / 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
***************************************	Tune TK-890 receiver channel spread (20 MHz max.); specify receive spread	N/C	N/C
L-850	90 Mobile Programming (with basic TX/RX check)	22.50	30.00
L-854	Modify 90-series mobile Single Band (Single Head) Mobile for Pyramid Vehicular Repeater		
L-858		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
1 962	Part #S76-0407-05 Relay incl. Install Key Inserts for 90-series mobiles	11 25	15.00
L-862	Note: For new radio tune orders only. Installs only the included KCH-10/11 key inserts. Must specify keys and	11.25	15.00
	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 orice 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		
L-865		183.75	245.00
	Note: Please specify exact length at 1ft. increments when ordering.		
	<u>Caution</u> : 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-23A-K2 Two Conductor 75/110W High Power DC Cable		75.00
L-866	(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		
	**************************************		
L-867	Jumper foil for SB to pin 14 of accessory connector for 90-series mobile	18.75	25.00
1 070	(Ref. 90-Series Mobile Service Manual, page 17/18)		F0 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
_ 0.0	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
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### **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 MessagesGPS 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 CallGroup 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 AddSystem Auto Select

#### **DIGITAL - MULTI-SITE IP NETWORKS**

#### NEXEDGE Generation1 System

- 48site Trunkied IP Network
- · Auto Roaming Registraition
- · Group Registration

#### NEXEDGE Generation1 System Bridge

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

# NEXEDGE Generation2 System (option) • 1,152 sites Wide Area System

- · Direct Frequency Assignment

- 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 TrunkingMulti-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 INSTAL	LLATION 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

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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

NOBILE INSTALLATION ACCESSORIES, CONT   INTERPRETATION ACCESSORIES   INTERPRETATION ACCESSORIE	NEXEDG	E° NX-700/800	Table of Co	ontents
RRK-13		VHF/UHF Digital & FM Analog Mobile Radios		
RRK-13	MOBILE INSTAL	LATION ACCESSORIES. CON'T	EPL	LIST
Colar: L-1776 If installation is required.	***************************************	*****		
CC Cable (38-56W Remote mount pose 3 ft. neg 3.3 ft. leads)				
CONTROL STATION NOTALLATION ACCESSORIES   EPL   LIST	KCT-23M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)	23.63	31.50
KMC-9C	KCT-23M3	DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	26.06	34.75
KMB-34	CONTROL STATI	ION INSTALLATION ACCESSORIES	EPL	LIST
series). (mobile mounting hardware included)  KPS-15 DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)  KPS-15 DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)  129.75 173.00  MICROPHONES AND SPEAKERS  KMC-36 MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied 39, 33 52, 55  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  KMC-9C Control Station Desktop Microphone (8-pin mod. plug) 64, 50 86,00  KKSS-3S External speaker (compact low profile; black case; 3.5 mm phono plug-in) 33, 19 44, 25  KES-3 External speaker, 40W max input 45,94 61,25  FIRMWARE OPTIONS  KWD-P25C P25 Flash upgrade; NX-200/300/700/800  Must order L1663  Mote: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C will be Kenusood factory installed only funits must be returned for upgrade)  Note: (WXD-P25C is a U.S.) OCC/P18 Export Controlled Item (ECCN SD092A 1).  KWD-LIC-USB Re	KMC-9C		64.50	86.00
KPS-15	KMB-34	series).	36.00	48.00
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 KR-2 (PAHA unit) installed         FIRMWARE OPTIONS         EPL         LIST           KWD-P25C         P25 Flash upgrade; NX-200/300/700/800         594.00         792.00           Must order L±1663         Note: KWD-P25C will be Kenvoord factory installed only funds must be returned for upgrade)         EPL         LIST           SOFTWARE & USB OPTIONS         EPL         LIST         LIST           KPG-150AP         NEXEDGE OTAP Manager Windows Software.         412.50         550.00           KPG-B164         AESDCES Encryption Software Key Loader for KWD-AE31K         393.75         525.00           KPG-B21K         AESDCES Encryption Software Key Loader for KWD-AE31K         276.00         368.00           KWD-Nock KPG-D21 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D99	KPS-15	)	129.75	173.00
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 proffle; black case; 3.5 mm phono plug-in)         33.19         44.25           KES-5         External speaker, 40W max input         45.94         61.25           Note; regulare KRP-2 (PATHA unti) insalled         PL         LIST           FIRMWARE OPTIONS         EPL         LIST           KWD-P25C         P25 flash upgrade; NX-200/300/700/800         Most order Let683         Note; KWD-P35C will be Kenwood factor, installed only funds must be returned for upgrade)         PL         UST           SOFTWARE & USB OPTIONS         EPL         LIST         LIST           KPG-150AP         NEXEDGE OTAP Manager Windows Software.         412.50         550.00           KPG-150AP         NEXEDGE OTAP Manager Windows Software.         412.50         550.00           KPG-BETIK         AESIDES Encryption Software Key Loader for KWD-AE31K         393.75         525.00           KPG-BETIK         AESIDES Encryption Software Key Loader for KWD-AE31K		AND SPEAKERS		
KMC-36         MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)         64.50         86.00           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           KWD-P2SC         P25 Flash upgrade; NX-200/300/700/80         594.00         792.00           Must order L1653         Note: requires KAP-2 (PAHA unti) installed only funits must be returned for upgrade)         594.00         792.00           SOFTWARE & USB OPTIONS         EPL         LIST           KPG-150AP         NEXEDGE OTAP Manager Windows Software.         412.50         550.00           KPG-150AP         NEXEDGE OTAP Manager Windows Software.         412.50         550.00           KPG-AE1K         AES/DES Encryption Software Key Loader for KWD-AE31K         393.75         525.00           KPG-AE1K         AES/DES Encryption Software Key Loader for KWD-AE31K         393.75         525.00           KPG-DE1K         DES Encryption Software Key Loader for KWD-AE31K         276.00         368.00           KWD-NX2G-10         Gen2 Enhanced Option for NX-00/10/11/120 Portables & Mobiles         12.75         <	KMC-35		39.38	
KMC-9C	KMC-36		70.88	94.50
KES-3S	******************************	Control Station Desktop Microphone (8-pin mod. plug)	64.50	~~~~~
KES-5	KES-3S	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	33.19	
FIRMWARE OPTIONS				61.25
Must order L-1663   Note: KVVD-P25C will be Kenwood factory installed only (units must be returned for upgrade)   SOFTWARE & USB OPTIONS	FIRMWARE OPT		EPL	LIST
SOFTWARE & USB OPTIONS   RPL   LIST	KWD-P25C	Must order <u>L-1663</u>	594.00	792.00
NEXEDGE OTAP Manager Windows Software.   112.50   550.00    - License Includes 10 radios / 1 Serial Port*   170 add more radios/serial ports, you must contact Kenwood Systems Division   15.800.TRUNKINGI.   393.75   525.00	SOFTWARE & US		FPI	LIST
License Includes 10 radios / 1 Serial Port*  - To add more radios/serial ports, you must contact Kenwood Systems Division (Ise00-TRILINKING)  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).  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).  KWD-NX2G-10  Gen2 Enhanced Option for NX-700/*10/*11/*20 Portables & Mobiles  Note: MET. Simmeware and EPIL do NOT compatible. MPTs. will be available on 30 EX2016.  KWD-LIC-USB  USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without ESB. KWD-LIC-USB Software for activating radios.  Note: - Must order L-1819 - Must purchase KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without - KPG-97USB software for activating radios.  Note: - Must order L-1819 - Must purchase KWD-NX2G-10 seperately KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders 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.  DPTION MODULES  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.				
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).  KPG-DE1K  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).  KWD-NX2G-10  Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Note: MPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).  KWD-NX2G-10  Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Note: MBT. Firmware and EPU. do. MOT. compatible. METs. will be available on: 30 EX2016.  KWD-LIC-USB  WBS 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: NWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.  Deption Modules  KWD-AE30K  AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-1830 ff installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device.	14 0 100/4	-	112.00	000.00
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).  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).  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. Firmeware. and. ERU. do. NOT. compatible. MRTs. will. be: available.on. 30. EXX016.  KWD-LIC-USB WSB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without 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 cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device.		•		
Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).  KPG-DE1K  DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).  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 Firmeware and EPU to NOT connectible. MPTs will be available on 30 EY2016  KWD-LIC-USB Will-Lic-USB stores 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 purchase KWD-NX2G-10 seperately KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order 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 cannot be rechargeable Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it	KPG-AF1K		393 75	525.00
Authentication by KPT-300LMC is required Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).  KWD-NX2G-10 Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles Note: Must order L-1812 for factory installation. or L-1813 for field-ungrade option Note: MPT. Firmeware and EPU. do. NOT. compatible. MPTs. will be available on 30. FY2015  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 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 cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.  OPTION MODULES  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.	III O ALIII	•	000.70	020.00
Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).  KWD-NX2G-10  Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles  Note:  Mpt. Firmeware. and EPLI.do NOT. compatible. MPTs. will be available on 30. EY2016.  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.  OPTION MODULES  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.	KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K	276.00	368.00
KWD-NX2G-10  Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles  Note:  WRT. Firmeware. and ERU. do. NOT. compatible. MRTs. will. be. available. on. 30. EX2016.  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.  OPTION MODULES  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.		·		
Must order L-1812 for factory installation. or L-1813 for field-upgrade option Note:  MET. Firmeware and EPU.do.NOT. compatible. METs. will be available on 30. EY2016.  KWD-LIC-USB USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without SEN. 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.  OPTION MODULES  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.	KIND NV2C 40		10.7E	17.00
MRT. Firmeware and EPU do NOT. compatible. MPTs will be available on 30.EY2016  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.  OPTION MODULES  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.	NVD-NAZG-10	·	12.75	17.00
WD-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.  OPTION MODULES  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.		Note:		
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- 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.  OPTION MODULES  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-LIC-USB	<b>ESN</b> . KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes	N/C	N/C
- 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.  OPTION MODULES  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-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.  OPTION MODULES  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-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.  OPTION MODULES  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-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order.		
OPTION MODULES       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.     637.50     850.00				
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.				
Order a Labor Code L-1830 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device.	OPTION MODULI	ES	EPL	LIST
KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device.	KWD-AE30K	· · · · · · · · · · · · · · · · · · ·	637.50	850.00
·		·		
KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1).		KWD-AE30K requires: a Motorola KVL3000 Pits/4000 key loader device.  KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1).		

Commission   Com	NEXEDG	NX-700/800	Table of Co	ontents
### OPTION MODILES. CONT  KWD-AE31K  AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1831 if Installation is required. Order a Labor Code L-1831 if Installation is required. Note: Requires (RFC-AE1DE) is obview key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  FleetSync® & NeXEDGE® AVE & MESSAGING  Garmin Indexed PS AE300 is obviewed key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AVEX.  Garmin Indexed PS AE300 is obviewed key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AVEX.  Garmin Indexed PS AE300 is obviewed key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Controlled Item (ECCN 54002A.1)  ### Controlled AU31 is an U.S. DOC/BIS Export Contr				
KWD-AE31K		VIII / SIII Bigital & Fili Alialog Mobile Radios		
KWD-AE31K	OPTION MODUL	ES CON'T	FPI	LIST
Order a Labor Code L-1831 if Installation is required. Note: Requires KPG-4E/DVE Software key Opader or Motorola KVL3000 Plus/4000 key loader device, KWD-AE31K is an U.S. DOCIBIS Export Controlled Item (ECCN 5A002A.1)				
Control   Cont		Order a Labor Code L-1831 if installation is required.		000.00
FleetSync				
GA25MCX	8			
National Product   Programming   Service   Service   Programming   Service	FleetSync® & NE	EXEDGE [®] AVL & MESSAGING	EPL	LIST
Indepth Technique Manuals for mobile installation.   97.69   130.25	GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W	46.50	62.00
Garmin Internal GPS Receiver Board for FleetSync & NEXEDGE AVL   97.69   130.25				
Note:	CDC1EVI M		07.60	120.25
Conventional & LTR operation	GPS 15XL-W	•	97.09	130.25
NEXEDGE® Conventional & Trunking operation   Requires 0425 MCX GPS antenna   Refer to 1801NX-Series & KAS-10 In-Depth Technical Manuals for installation, programming & KAS-10 software   setup. Refer to www.gamin.com for GPS-15L-W technical specifications.				
Requires GAZS MCX GPS antenna   Refer to 1801NX-Senes & KAS-10 In-Depth Technical Manualis for installation, programming & KAS-10 software setup. Refer to www. garmin.com for GPS-15L-W technical specifications.		•		
Refer to 180NX-Series & KAS-10 In-Depth Technical Menulas for installation, programming & KAS-10 software setup, Refer to www.gamin.com for GPS-15.W technical specifications.    KAS-10		• .		
FleetSync & NEXEDGE AVL & Messaging Software   325.50   434.00		·		
with NEXEDGE Trunking VoIP Dispatch           Note:		setup. Refer to www.garmin.com for GPS-15L-W technical specifications.		
With NEXEDGE Trunking VoIP Dispatch   Note:	KAS-10	FleetSync & NEXEDGE AVL & Messaging Software	325 50	434 00
- Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with Windows* VP, VISTA & 7 and Microsoft*MapPoint*2006/2009/2010 (certain format bitmap images can be imported). Refer to KAS-10 product spece sheets and manuals for details.    SERVICE RELATED ACCESSORIES   EPL   LIST	10.00 10	with NEXEDGE Trunking VoIP Dispatch	020.00	10 1.00
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.    SERVICE RELATED ACCESSORIES		Note:		
Imported) Refer to KAS-10 product spec sheets and manuals for details		- Users can chose to operate Messaging, AVL or VoIP or all three if desired. Compatible with		
No.		Windows® XP, VISTA & 7 and Microsoft®MapPoint®2006/2009/2010 (certain format bitmap images can be		
RPG-46XM				
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         77.44         103.25           KPG-163DNK         Programming software for NX-200/300/700/800 with PassPort/NEXEDGE Options Installed (12.5         123.75         165.00           KPG-163DNK         Programming software for NX-200/300/700/800 with PassPort/NEXEDGE Options Installed (12.5         123.75         165.00           KPG-143DNK         Programming software for NX-200/300/700/800         150.00         200.00           BOM-NX-PP         Programs NEXEDGE, PassPort®, LTR & analog Conventional modes.	SERVICE RELAT	IED ACCESSORIES	FPI	1 191 1
KPG-111DNK         Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901         77.44         103.25           KPG-163DNK         Programming software for NX-200/300/70/800 with PassPort/NEXEDGE Options Installed (12.5         123.75         165.00           KPG-163DNK         Programming software for NX-200/300/700/800 with PassPort/NEXEDGE Options Installed (12.5         123.75         165.00           Programs NEXEDGE, PassPort®, LTR & analog Conventional modes.         100.00         200.00           Not for use on a standard NEXEDGE ratios.         150.00         200.00           PGM-NX-PP         PassPort ESN Generator device for NX-200/300/700/800         150.00         200.00           Number of WassPort ESN Generator device is NOT compatible for NX-200 ESN loads.         - The 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 TRA-X 180 PassPort ESN Generator device is NOT compatible for NX-200 ESN loads.         - The TRA-X 180 PassPort ESN Generator device is NOT compatible for NX-200 ESN loads.         - The TRA-X 180 PassPort ESN Generator device is NOT compatible for NX-200 ESN loads.         - The TRA-X 180 PassPort ESN Generator device is NOT compatible for NX-200 ESN loads.         - The TRA-X 180 PassPort ESN Generator device is NOT compatible for NX-200 ESN loads.         - The TRA-X 180 PassPort ESN Generator device is NOT compatib				
Compiliant with FCC Part 90 Narrowbanding	***************************************	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901		***************************************
RPG-163DNK				.00.20
Programs NEXEDGE, PassPort®, LTR & analog Conventional modes.   Not for use on a standard NEXEDGE radios.   ARBG.11301NM, Must hab possibatelucia, RE.C., Indic. to, installetina, KEG., 1630NMK   PGM-NX-PP   PassPort ESN Generator device for NX-200/300/700/800   150.00   200.00   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		Programming software for NX-200/300/700/800 with PassPort/NEXEDGE Options Installed (12.5	123.75	165.00
Not for use on a standard NEXEDGE radios.   1876,1310(N) Must be installed its PG. nrior.ts isstallina.KPG.163DMK		/6.25 CH bandwidths only)		
PGM-NX-PP				
PGM-NX-PP         PassPort ESN Generator device for NX-20/300/700/800         150.00         200.00           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.				
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 recommendation of the post of	PGM-NX-PP		150.00	200.00
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 the permitted of the post of the permitted program interface cables with the permitted program	1 OW WX 1 1	Note: PGM-NX-PP is stocked in minimum quantities. Please anticipate a minimum of 30 day lead time and	100.00	200.00
The PGM-NX-PP requires older KPG-36AM (portable) & KPG-46AM (mobile) radio program interface cables with		call order desk to verify availability.		
L-1085   NX-700/800 Programming (with basic TX/RX check)   28.13   37.50    -1094   Install KAP-2 (Default) HR1/Internal Sp./PA   18.75   25.00    -1098   Install Garmin GPS15XL-W in NX-Series mobile for FleetSync® AVL   75.00   100.00    -1099   Assemble NX-700/800/900/901 with KRK-10 Remote Kit   31.50   42.00    -1063   NX-700/800 P25 Conventional Software Upgrade   N/C   N/C		<ul> <li>The TK-x180 PassPort ESN Generator device is NOT compatible for NX-x00 ESN loads.</li> </ul>		
L-1085   NX-700/800 Programming (with basic TX/RX check)   28.13   37.50				
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-700/800/901901 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       60.00       80.00         • Order one per radio • KPG-163DNK required to program radio	INSTALL ATION		FPI	LIST
L-1094 Install KAP-2 (Default) HR1/Internal Sp./PA L-1098 Install Garmin GPS15XL-W in NX-Series mobile for FleetSync® AVL L-1099 Assemble NX-700/800/900/901 with KRK-10 Remote Kit J1.50 42.00 L-1663 NX-700/800 P25 Conventional Software Upgrade Must order a KWD-P25C firmware option L-1743 Install PassPort-Classic / NEXEDGE option in NX- 200/300/700/800 - Order one per radio - KPG-163DNK required to program radio L-1744 Install PassPort-Enhanced / NEXEDGE Option in NX- 200/300/700/800 - KPG-163DNK required to program radio L-1830 Install KWD-AE30K in NX-700/800/900/901 series Mobile L-1831 Install KWD-AE31K in NX-700/800/900/901 series Mobile  56.25 75.00				
L-1098 Install Garmin GPS15XL-W in NX-Series mobile for FleetSync® AVL 75.00 100.00  L-1099 Assemble NX-700/800/901 with KRK-10 Remote Kit 31.50 42.00  L-1663 NX-700/800 P25 Conventional Software Upgrade N/C N/C Must order a KWD-P25C firmware option  L-1743 Install PassPort-Classic / NEXEDGE option in NX- 200/300/700/800 60.00 80.00  • Order one per radio  • KPG-163DNK required to program radio  L-1744 Install PassPort-Enhanced / NEXEDGE Option in NX- 200/300/700/800 81.26 108.35  • Order one per radio  • KPG-163DNK required to program radio  L-1830 Install KWD-AE30K in NX-700/800/900/901 series Mobile 56.25 75.00  (Must purchase module separately)  L-1831 Install KWD-AE31K in NX-700/800/900/901 series Mobile 56.25 75.00	*****************	,		~~~~~~~~~~~~
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 N/C N/C Must order a KWD-P25C firmware option  L-1743 Install PassPort-Classic / NEXEDGE option in NX- 200/300/700/800 60.00 80.00  • Order one per radio  • KPG-163DNK required to program radio.  L-1744 Install PassPort-Enhanced / NEXEDGE Option in NX- 200/300/700/800 81.26 108.35  • Order one per radio  • KPG-163DNK required to program radio  L-1830 Install KWD-AE30K in NX-700/800/900/901 series Mobile 56.25 75.00  (Must purchase module separately)  L-1831 Install KWD-AE31K in NX-700/800/900/901 series Mobile 56.25 75.00			····	
L-1663         NX-700/800 P25 Conventional Software Upgrade Must order a KWD-P25C firmware option         N/C         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00				
Must order a KWD-P25C firmware option		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	***************************************	
L-1743       Install PassPort-Classic / NEXEDGE option in NX- 200/300/700/800	L-1663	. •	N/C	N/C
• Order one per radio  • KPG-163DNK required to program radio.  L-1744 Install PassPort-Enhanced / NEXEDGE Option in NX- 200/300/700/800 81.26 108.35  • Order one per radio  • KPG-163DNK required to program radio  L-1830 Install KWD-AE30K in NX-700/800/900/901 series Mobile 56.25 75.00  (Must purchase module separately)  L-1831 Install KWD-AE31K in NX-700/800/900/901 series Mobile 56.25 75.00	I -1743		60.00	80.00
L-1744 Install PassPort-Enhanced / NEXEDGE Option in NX- 200/300/700/800 81.26 108.35	L:1170	·	00.00	00.00
L-1744 Install PassPort-Enhanced / NEXEDGE Option in NX- 200/300/700/800 81.26 108.35  • Order one per radio  • KPG-163DNK required to program radio  L-1830 Install KWD-AE30K in NX-700/800/900/901 series Mobile 56.25 75.00  (Must purchase module separately)  L-1831 Install KWD-AE31K in NX-700/800/900/901 series Mobile 56.25 75.00		• KPG-163DNK required to program radio		
Care		Install PassPort-Enhanced / NEXEDGE Option in NX- 200/300/700/800	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       56.25       75.00		·		
(Must purchase module separately)           L-1831         Install KWD-AE31K in NX-700/800/900/901 series Mobile         56.25         75.00	I 1020		EG OF	75 00
L-1831 Install KWD-AE31K in NX-700/800/900/901 series Mobile 56.25 75.00	L-100U		ენ.∠ე	75.00
	L-1831		56.25	75.00
		(Must purchase module separately)	<del></del>	

NEXEDGE	NX-700/800	Table of Cor	ntents
	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)  • ESN activation file with ordered number of ESNs and firmware will be shipped on a CD ROM. Allow 15 business	60.00	80.00
	days ARO.  • KPG-163DNK required to program radio  • Requires PGM-NX-PP PassPort ESN Generator device		

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

INSTALLATION /	TUNING CHARGES	EPL	LIST
L-1746	Field Retrofit PassPort-Enhanced / NEXEDGE Option for NX-200/300/700/800 orders (order option	81.26	108.35
	one per the number of ESNs required)		
	<ul> <li>ESN activation file with ordered number of ESNs and firmware will be shipped on a CD ROM. Allow 15 business</li> </ul>		
	days ARO.		
	KPG-163DNK required to program radio		
	• Requires PGM-NX-PP PassPort ESN Generator device		
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	18.75	25.00
L 1012	(Must purchase KWD-NX2G-10 separatelγ)	10.70	20.00
L-1813	NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE	N/C	N/c
***************************************	(Must purchase KWD-NX2G-10 separately)		
L-1819	Create KWD-LIC-USB and store KWD-NX2G-10	93.75	125.00
***************************************	(Must purchase KWD-NX2G-10 separately)		•••••
MPT FIRMWARE	ACCESSORIES/TUNING	EPL	LIST
KPG-143DNK	Windows® Programming Software for NX series MPT	77.44	103.25
	(Compliant with FCC Part 90 Narrowbanding)		
	(Dealer Level License ID included)		
	Note:		
	- Must order L-1727 for Network Level License ID & programming privileges.		
	- Gen? Enhanced Ontion. (KWD-NX2G-10). for MPT will be available on 3O. EY2016.		
KWD-NX10MPT	MPT Trunking Field Upgrade Kit for NX series radio	50.03	66.70
	Must order <u>L-1729</u>		
	Note: Not compatible with any other firmware options.		
	Radio does not retain LTR trunking features once the MPT ontion is installed		
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	63.75	85.00
	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.		
1 4700	Mateuses NY series MRT letroduction Soles Bulletin for details  NX Series Radio MPT Firmware FIELD-UPGRADE	N/C	N/O
L-1729	(Must purchase KWD-NX10MPT separately)	N/C	N/C
IMPORTANT NOTES	INNUST DUTCHASE AWD-INATUMET SEPARATERY)		

⁻⁻ 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:

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 Zone2 Conventional Zones
- 2-Digit LED Channel Display • Function/Status LED Dots
- Backlit Keys
- Transmit /Busy / Call Alert LED
- Blue Function/Status LED
- 9 Programmable Function Keys
- Emergency / AUX Key
   4W Speaker Audio
- Voice CH# Announcement
- DB15 Accessory Interface
- 8 Programmable I/O Ports
- KPG-175DN Windows® FPU
- MIL-STD-810 C/D/E/F
- IP-54 Water & Dust Intrusion
- PC Serial Interface
- · GPS Receiver Option

#### **DIGITAL COMMON**

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

## DIGITAL CONVENTIONAL MODE

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

#### **DIGITAL - TYPE-D TRUNKING MODE ***

- Individual Call
- Group Call & All Group Call
- Emergency Call
- Paging Call
- Transmission Trunked Mode
- Late Entry
- ESN Validation
- · Status Messaging
- * Hardware Version 2.0 can be abailable.

#### **SCAN**

- Single Zone Scan
- Single Priority Scan

#### **ANALOG MODE - GENERAL**

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

#### FleetSync®

- PTT ID ANI
- Selective / Group Call
- Emergency StatusSend GPS Data

- 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
<b>MOBILE INSTALL</b>	ATION 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	36.00	48.00
	series). (mobile mounting hardware included)		
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00
MICROPHONES A	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

NEXEDG	NX-740HV/840HU  VHF/UHF Digital & FM Analog Mobile Radios	Table of	Contents
FleetSync [®] & NE	EXEDGE® 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 RELAT	ED 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 TRUNKII	NG 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.	7.50	10.00
L-1800	Only Hardware <b>Version 2.0</b> can be available. 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 <b>NEXEDGE</b> 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® Table of Contents** NX-900/901

#### 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 DisplayDate & 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
- Programmable AUX I/Os
   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 CallStatus 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'sRemote Group Add
- System Auto Select

#### **DIGITAL - MULTI-SITE IP NETWORKS**

#### NEXEDGE Generation1 System

- 48site Trunkied IP Network
- Auto Roaming Registraition
- Group Registration

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

## NEXEDGE Generation2 System (option)

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

- 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 TrunkingMulti-Site Network Trunking
- 8 Network Capacity
   Network Roaming / Registration

#### FleetSync®/II (FM)

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

- 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 INSTA	LLATION 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
	<b>Note:</b> some operations have limitations. Please refer to Application Note avlb. on Kenwood Tools.		
	Order: L-1776 if installation is required.		

NEXEDGI	^{≡°} NX-900/901	Table of	Contents
	800/900 MHz Digital & FM Analog Mobile Radios		
VCT 22M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)	23.63	21 50
KCT-23M KCT-23M3	DC Cable (35-50W Remote mount; pos.76 ft.; neg. 3.3. ft. leads)	25.65 26.06	31.50 34.75
	ON INSTALLATION ACCESSORIES	EPL	LIS
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.0
KMB-34	Control Station Mounting Case for KPS-15 Power Supplies (mobile mounting hardware included)	36.00	48.0
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.0
MICROPHONES A	ND SPEAKERS	EPL	LIS
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	39.38	52.5
KMC-36	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	70.88	94.5
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	64.50	86.0
KES-3S	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	33.19	44.2
KES-55	External speaker, 40W max input	45.94	61.2
NES-3	Note: requires KAP-2 (PA/HA unit) installed.	45.94	01.2
SOFTWARE & US		EPL	LIS
KPG-150AP	NEXEDGE OTAP Manager Windows Software.	412.50	550.0
	• License Includes 10 radios / 1 Serial Port*	112.00	000.0
	<ul> <li>To add more radios/serial ports, you must contact Kenwood Systems Division</li> </ul>		
	[1-800-TRUNKING].		
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K	393.75	525.0
	Authentication by KPT-300LMC is required  Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A).		
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K	276.00	368.0
KFG-DLTK	Authentication by KPT-300LMC is required	270.00	300.0
	Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1).		
KWD-NX2G-10	Gen2 Enhanced Option for NX-*00/*10/*11/*20 Portables & Mobiles	12.75	17.0
	Must order L-1812 for factory installation, or L-1813 for field-upgrade option		
	Note:		
KWD-LIC-USB	MPT Firmeware and EPU do NOT compatible. MPTs will be available on 30 EY2016.  USB Hardware Key for activating KWD-NX2G-10 options to NX-*00/*10/*11/*20 series without.	N/C	N/0
2.0 002	ESN. KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes	14,0	
	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.		***************************************
OPTION MODULE	S	EPL	LIS
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key)	637.50	850.0
	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).	440.50	
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-1831 if installation is required.	412.50	550.0
	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)		
FleetSync® & NE	KEDGE® AVL & MESSAGING	EPL	LIS
•	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W		
GA25MCX	Note: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install; Refer to 180/NX-Series	46.50	62.0
	TOTAL SHIPPER 10000 Only, motali Onzolvion antenna to Of O TONL-VV Delote Verlicle install, Neter to 100/NA-3eries		

NEXEDGE	⁼ ° NX-900/901	Table of	Contents
	800/900 MHz Digital & FM Analog Mobile Radios		
FleetSync® & NEX	KEDGE® AVL & MESSAGING, CON'T	EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync & NEXEDGE AVL	97.69	130.25
	Note:		
	Conventional & LTR operation.     NEXEDGE® Conventional & Trunking operation.		
	Requires GA25 MCX GPS antenna.		
	Refer to 180/NX-Series & KAS-10 In-Depth Technical Manuals for installation, programming & KAS-10 software		
	setup. Refer to www.garmin.com for GPS-15L-W technical specifications.		
KAS-10	FleetSync & NEXEDGE AVL & Messaging Software	325.50	434.00
	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.		
SERVICE RELATE	D ACCESSORIES	EPL	LIST
KPG-111DNK	Windows® Programming Software for NX-200/210/300/410/411/700/800/900/901	77.44	103.25
	(Compliant with FCC Part 90 Narrowbanding).		
KPG-46XM	USB Programming interface cable	118.88	158.50
INSTALLATION / T	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	18.75	25.00
1 4040	(Must purchase KWD-NX2G-10 separately)	<b>.</b>	
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	93.75	125.00
	(Must purchase KWD-NX2G-10 separately)		
L-1830	Install KWD-AE30K in NX-700/800/900/901 series Mobile	56.25	75.00
	(Must purchase module separately)		
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	77.44	103.25
KFG-143DINK	(Compliant with FCC Part 90 Narrowbanding)	77.44	103.23
	(Dealer Level License ID included)		
	Note:		
	- Must order L-1727 for Network Level License ID & programming privileges.		
KWD-NX10MPT		50.03	66.70
TOTAL TOTAL T	Must order <u>L-1729</u>	00.00	00.70
	Note: Not compatible with any other firmware options.		
L-1726	Radio does not retain LTR trucking features once the MPT option is installed.  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	63.75	85.00
	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		

NEXED	GE° 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

#### **NEXEDGE® Table of Contents** NX-920G

#### 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 NETWORKS**

# NEXEDGE Generation1 System • 48site Trunkied IP Network

- · Auto Roaming Registraition
- Group Registration

#### NEXEDGE Generation1 System Bridge

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

# NEXEDGE Generation2 System (option) • 1,152 sites Wide Area System

- · Direct Frequency Assignment

#### **SCAN**

• Single Zone / Multi-Zone / List Scan

• Dual Priority Scan (Conventional)

#### **FM MODES - GENERAL**

- 25 & 12.5 kHz Channels
- NPSPAC 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 INSTA	LLATION 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	36.00	48.00
***************************************	series). (mobile mounting hardware included)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00
MICROPHONES	S AND SPEAKERS	EPL	LIST

Page 117 of 132 NX-920G

RMC-35	NEXEDG	E° NX-920G	Table of	Contents
KMC-36				
KMC-36         MIL-SPEC Slandard electret mobile microphone with 12-key DTMF (8-pin mod. plug)         70,88         94,50           MICROPHONES AND SPEAKERS, CONT         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, 400 ms. niput         46,54         46,25           KES-15 Canal Can	KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	39.38	52.50
MICROPHONES AND SPEAKERS, CONT   LIST   KMC-9C   Control Station Desktop Microphone (8-pin mod. plug)   64,50   86,00   86,00   86,00   86,00   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,00   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,50   86,5	KWC 36		70 00	04.50
KMC_9C				
KES-3S	***************************************			***************************************
KES-5				
Note: requires KCT-69M installed.   SOFTWARE OPTIONS			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
RPG-150AP				
License Includes 10 radios   1 Serial Port				
To add more redicalserial pots, you must contact Kenwood Systems Division   A. Asso. Tournelisation   A. Asso. Tournelis	KPG-150AP	•	412.50	550.00
Must order L-1812 for factory installation, or L-1813 for field-upgrade option Note:  MET Firmeware and FPU do NQT competible. MPTs will be available on 3Q FY2015  KWD-LIC-USB  USB Hartdware Key for activating KWD-NX2G-10 options to NX-*00**10**117*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 carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot be rechargeable. Must purchase it per every orders KWD-LIC-USB carnot purc				
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MET Firmeware and FPU to NOT compatible. MPTs will be available on 30 FY2016  KWD-LIC-USB USB Hardware Key for activating KWD-NX2G-10 options to NX-*00**10**11**20 series without N/C N/C SKN 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 separately KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order KWD-LIC-USB can store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.  FleetSync & NEXEDGE AVL & MESSAGING  KAS-10 FleetSync & NEXEDGE AVL & Messaging Software 325.50 434.00 with NEXEDGE Trunking VolP Dispatch Nate: - Users can chose to operate Messaging. AVL or VolP or all three if desired. Compatible with Windows* XP, VISTA & 7 and Microsoft**NapPoint*2006/2009/2010 (certain format birmap images can be imported), Refer to KAS-10 product spec sheets and manuals for details.  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 77.44 103.25 - (Compilant with FCC Part 90 Narrowbanding).  KPG-46XM USB Programming interface cable 118.88 158.50  INSTALLATION / TUNING CHARGES  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 18.75 25.00  (Must purchase KWD-NX2G-10 separately)	1000 1000	·	12.70	17.00
No.   No.				
ESN KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes KPG-97USB software for activating radios.  Nate: - 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 Request Form that can be downloaded from Dealer Tools is required to order KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order KWD-LIC-USB Rean store up to 50,000 KWD-NX2G-10 Gen2 Upgrade Options.  FleetSync & NEXEDGE AVI. & MESSAGING  KAS-10 FleetSync & NEXEDGE Trunking VolP Drail three if desired. Compatible with Note: - Users can chose to operate Messaging, AVL or VolP or all three if desired. Compatible with Note: - Users can chose to operate Messaging, AVL or VolP or all three if desired. Compatible with Windows* XP. VISTA & 7 and Microsoft**NapPoin*2006/2009/2010 (certain format bitmap images can be imported), Refer to KAS-10 product spec sheets and manuals for details.  KRA-40GM GPS Antenna  SERVICE RELATED ACCESSORIES  KPG-141DNK Windows* Programming Software for NX-220/320/420/720/820/920 77.44 103.25 (Complant with FCC Part 30 Narrowbanding).  KPG-46XM USB Programming interface cable  118.88 158.50  INSTALLATION / TUNING CHARGES  L-1727 Network Level License ID for KPG-143D(N) NX series Programmer 118.75 158.33 1-7.51 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)  L-1819 Create KWD-NX2G-10 separately)				
- 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 cannot be rechargeable. Must purchase it per every orders KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders 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.  FleetSync® & NEXEDGE® AVI. & Messaging Software  with NEXEDGE® AVI. & Messaging Software - Users can chose to operate Messaging, AVI. or VolP or all three if desired. Compatible with - Users can chose to operate Messaging, AVI. or VolP 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.  KRA40GM GPS Antenna 31.50 42.00  SERVICE RELATED ACCESSORIES - KPG-141DNK - Windows® Programming software for NX-220/320/420/720/820/920 - T7.44 103.25 - (Compiliant with FCC Part 90 Narrowbanding).  KPG-46XM - USB Programming interface cable - USS Programming interface cable - 118.88 158.50  NSTALLATION / TUNING CHARGES - LIST - 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 - Must purchase KWD-NX2G-10 separately)  L-1819 - Create KWD-LIC-USB and store KWD-NX2G-10 - separately)	KWD-LIC-USB	ESN. KWD-LIC-USB stores KWD-NX2G-10 options which are purchased seperately and includes	N/C	N/C
FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch   Winth NEXEDGE Trunking VoIP Dispatch   Nota: - 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.		<ul> <li>Must order L-1819.</li> <li>Must purchase KWD-NX2G-10 seperately.</li> <li>KWD-LIC-USB Request Form that can be downloaded from Dealer Tools is required to order.</li> <li>KWD-LIC-USB cannot be rechargeable. Must purchase it per every orders.</li> </ul>		
FleetSync & NEXEDGE AVL & Messaging Software with NEXEDGE Trunking VoIP Dispatch   Winth NEXEDGE Trunking VoIP Dispatch   Nota: - 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.	FleetSync® & NF	XFDGF [®] AVI & MESSAGING	EPL	LIST
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.  KRA-40GM GPS Antenna 31.50 42.00  SERVICE RELATED ACCESSORIES  KPG-141DNK Windows® Programming Software for NX-220/320/420/720/820/920 77.44 103.25 (Compliant with FCC Part 90. Narmowbanding).  KPG-46XM USB Programming interface cable 118.88 158.50  INSTALLATION / TUNING CHARGES  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)  L-1813 NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE N/C (Must purchase KWD-NX2G-10 separately)  Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)	, and the second second			
- 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.  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 77.44 103.25 (Compliant with FCC Part 90 Narrowbanding).  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 18.75 25.00 (Must purchase KWD-NX2G-10 separately)  L-1819 Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)		with NEXEDGE Trunking VoIP Dispatch		
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.           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 separately)         125.00				
imported). Refer to KAS-10 product spec sheets and manuals for details.           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).         T.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-NX2G-10 separately)         93.75         125.00		· · · · · · · · · · · · · · · · · · ·		
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		,		
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KPG-141DNK       Windows® Programming Software for NX-220/320/420/720/820/920 (Compliant with FCC Part 90 Narrowbanding).       103.25 (Compliant with FCC Part 90 Narrowbanding).         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         L-1819       Create KWD-LIC-USB and store KWD-NX2G-10 (Must purchase KWD-NX2G-10 separately)       93.75 125.00		ED ACCESSORIES		
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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	INSTALLATION /	TUNING CHARGES	EPL	LIST
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	L-1727	Network Level License ID for KPG-143D(N) NX series Programmer	118.75	158.33
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			~~~~~	
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L-1819 Create KWD-LIC-USB and store KWD-NX2G-10 93.75 125.00 (Must purchase KWD-NX2G-10 separately)		(Must purchase KWD-NX2G-10 separately) NX Series Radio Gen2 Enhanced Option FIELD-UPGRADE		N/C
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	L-1019		<i>3</i> 3.13	120.00
THE LIST	MPT FIRMWARE		EPI	LIST
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NEXEDGE	NX-920G	Table of	Contents
	800 MHz Digital & FM Analog Mobile Radios		
KPG-143DNK	Windows® Programming Software for NX series MPT	77.44	103.25
	(Compliant with FCC Part 90 Narrowbanding) (Dealer Level License ID included)		
	Note:		
	- Must order <u>L-1727</u> for Network Level License ID & programming privileges.		
KWD-NX10MPT	Gen2.Enhanced.Option./KWD-NX2G-10\.for.MPT.will.be.available.on.3Q.EY?016	50.03	
KVVD-NX TUIVIP I	Must order <u>L-1729</u>	50.03	66.70
	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.		
MPT FIRMWARE/A	CCESSORIES/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	63.75	85.00
	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.		
L-1729	NX Series Radio MPT Firmware FIELD-UPGRADE	N/C	N/C
	(Must purchase KWD-NX10MPT separately).		



# TK-D740HV/840HU

**Table of Contents** 

# VHF/UHF Digital & FM Analog Mobile Radios



#### All 40 series DMR mobiles include:

- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- 15A Fuse
- Instruction Manual
- Standard Warranty: 2 Years**
- ** All Accessories / options: 1 Year

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

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

#### **GENERAL FEATURES**

- 50 W (136-174 MHz) Model
- 45 W (450-520, 400-470 MHz) Model
- Max. 16 CH per Zone
- 2 Conventional Zones2-Digit LED Channel Display
- Function/Status LED Dots
- Backlit Keys
- Transmit /Busy / Call Alert LED
- 9 Programmable Function Keys
- Emergency / AUX Key

- 4W Speaker AudioDigital/Analog Mixed ModeVoice 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
<b>MOBILE INSTALL</b>	ATION 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
~~~~~	Note: Available for Analog only. NOT compatible withDigital (TDMA) operations.		
KMB-34	Control Station Mounting Case for KPS-15 Power Supply and Portables (excludes TK-5x10/6110	36.00	48.00
***************************************	series).		
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00
MICROPHONES A	ND 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® & NEX	KEDGE [®] AVL & MESSAGING	EPL	LIST

DMR	TK-D740HV/840HU VHF/UHF Digital & FM Analog Mobile Radios	Table of	Contents
GPS15XL-W	Garmin Internal GPS Receiver Board for DMR/FleetSync® AVL Important Notice: Firmware version 1.2 or later to use GPS functions require to be updated WITHOUT a GPS Reciever initialy. Once firmware is updated 1.2 or later, it may be allowed any firmware version up with installed GPS Receiver. Please see Dealer Tools under support for the detail. Note: Conventional operation only Requires GA25 MCX GPS antenna	97.69	130.25
FleetSvnc [®] & NE	• Refer to www.narmin.com.for GPS-15XL-W technical specifications. EXEDGE® AVL & MESSAGING, CON'T	EPL	LIST
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W Note: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.	46.50	62.00
SERVICE RELAT	ED ACCESSORIES	EPL	LIST
KPG-46XM	USB Programming interface cable	118.88	158.50
KPG-166DNK	Windows® Programming Software for TK-D240V/340U/740HV/840HU	77.44	103.25
INSTALLATION /	TUNING CHARGES	EPL	LIST
L-1799	TK-D740HV/840HU Programming (with basic TX/RX check)	28.13	37.50
L-1834	Install Garmin GPS15XL-W in TK-Dx40 Series mobile Note: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.	75.00	100.00

TK-7180/8180

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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
 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
- CloningMIL-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 TrunkingMulti-Site Network Trunking
- Network Capacity
 Network Roaming / Registration

- 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 INSTAL	LATION ACCESSORIES	EPL	LIST
KAP-2	Horn Alert/P.A. Relay Option	47.25	63.00
	Note: For MPT, HA operates in Trunked Mode only.		
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 STAT	TION 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	36.00	48.00
	series).		
	(mobile mounting hardware included)		
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak).	129.75	173.00

TK-7180/8180

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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
11200	Note: requires KAP-2 (PA/HA unit) installed.	10.01	01.20
FleetSvnc® MOI	BILE 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® MES	SSAGING	EPL	LIST
KAS-2FSD	FleetDispatchPRO: FleetSync® messaging dispatch software for PC	288.00	384.00
10.00 2.00	Note:	200.00	001.00
	• 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	325.50	434.00
	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 soen 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		
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 OP		EPL	LIST
KWD-180MPT	MPT Trunking Field Upgrade Kit for 180-Series	32.81	43.75
TOOM 1	Must order <u>L-1620</u>	32.01	40.70
	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 <u>L-1625</u>		
	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 RELA	TED ACCESSORIES	EPL	LIST
KPG-46XM	USB Programming interface cable	118.88	158.50
KPG-89DNK	Windows [®] Programming Software for TK-2180/3180/7180/8180	77.44	103.25
	(Compliant with FCC Part 90 Narrowbanding)		
	Note: Self-programming & Tactical Feature Set* functions are not available.		
	* KPG-89DK is required for Tactical Feature Set. KPG-89DK is no longer supported or distributed by		

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VHF/UHF Trunking & Convention Mobile Radios

	TK-7180/8180 VHF/UHF Trunking & Convention Mobile Radios	Table of	Contents
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
L 1000	Note: The KGS-3 & GPS15XL-W are not compatible with KGP-2A/2B AVL systems.	70.00	100.00
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 FIRMWARI	E/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	77.44	103.25
	(Compliant with FCC Part 90 Narrowbanding)		
	(Dealer Level License ID included)		
	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-Seires radio	63.75	85.00
	(for previously purchased 180-Series radios.)	333	00.00
	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.		

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VHF/UHF Trunking & Convention Mobile Radios



All 360 series mobiles include:

- Standard Microphone (KMC-35)
- Mounting Bracket
- DC Cable (KCT-23M)
- 15A Fuse
- · Instruction Manual
- Standard Warranty: 2 Years*
- * All Accessories / options: 1 Year

GENERAL FEATURES

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

CONVENTIONAL ZONES

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

TRUNKED ZONES

- 128 GID / 128 Zones
- Kenwood LTR® Feature

FleetSync® /II (FM)

- PTT ID Digital ANI
- Selective Čall & 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

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

MODEL		EPL	LIST
TK-7360HVK	136-174 MHz 50W, 128 CH / 128 Zone CONV-& LTR	325.65	434.20
TK-8360HUK	450-520 MHz 45W, 128 CH / 128 Zone CONV-& LTR	337.50	450.00
MOBILE INSTAL	LATION 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 STAT	TION 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 Note: requires KCT-60M installed.	45.94	61.25

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VHF/UHF Trunking & Convention Mobile Radios

TK-7360HV/8360HU v2.0 VHF/UHF Trunking & Convention Mobile Radios

FleetSync® AVL		EPL	LIST
GPS15XL-W	Garmin Internal GPS Receiver Board for FleetSync® AVL	97.69	130.25
	Note:		
	Conventional operation only		
	Requires GA25 MCX GPS antenna		
	 Refer to www.garmin.com for GPS-15L-W technical specifications. 		
GA25MCX	Garmin On-dash Style Magnetic base GPS Antenna for GPS15XL-W	46.50	62.00
	Note: shipped loose only; Install GA25MCX antenna to GPS15XL-W before vehicle install.		
SERVICE RELAT	ED 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

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

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VHF/UHF Convention Mobile Radios



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
- 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

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

MODEL		EPL	LIST
TK-7302HVK	136-174 MHz 50W, 16 CH / 2 Zone Conventional	255.00	340.00
TK-8302HUK	450-520 MHz 45W, 16 CH / 2 Zone Conventional	266.85	355.80
MOBILE INSTAL	LATION 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 STAT	ION 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	36.00	48.00
	series).		
KPS-15	(mobile mounting hardware included) DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00
	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 RELA	TED 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

INSTALLAT	TION / 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

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Compact Low Band Mobile Radio



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).

<u>VSWR</u>	Output Power
1.2 or less	70W or more
1.3-1.5	60W or more
More than 1.5	60W or less

TK-6110K2 TK-6110K2 Frequency Bandwidth Frequency Bandwidth 29.7MHz 0.4MHz (+/-0.20MHz) 35.0MHz 1.0MHz (+/-0.5MHz) 33.0MHz 0.4MHz (+/-0.20MHz) 40.0MHz 1.8MHz (+/-0.9MHz) 37.0MHz 1.0MHz (+/-0.50MHz) 50.0MHz 1.8MHz (+/-0.9MHz)

- 2. The TK-6110 design eliminates the need for the following accessories typical of Kenwood compact mobiles:
- a. KCT-19: 15-pin accessory connector is built in.
- b. 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 INSTAL	LATION 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.		
MISCELLANEOU	IS ITEMS	EPL	LIST
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	129.75	173.00

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Compact Low Band Mobile Radio	

SERVICE RELATED ACCESSORIES		EPL	LIST
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		EPL	LIST
L-911	TK-190/TK-6110 Programming (with basic TX/RX check)	18.75	25.00