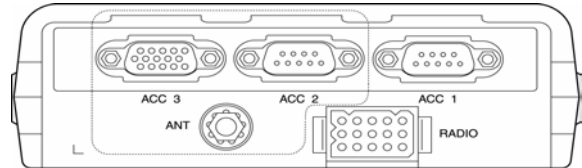
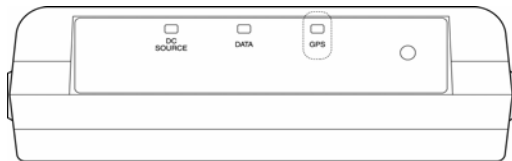


KGP-2A / 2B

GPS Automatic Vehicle Location Units



Important! Please read prior to selling a KGP-2A/2B AVL system and ordering product:

- KGP-2A/2B Compatible AVL Mapping Software is Required** - A KGP-2A/2B AVL system requires a AVL mapping software specifically engineered for KGP-2B serial protocol compatibility. This software is available from Manning NavComp (see Manning RasTrac information).
- Read the ordering instructions** in the following base station and fleet mobiles sections for possible additional options and hardware requirements.
- Check the "ACCESSORY COMPATIBILITY" chart** that follows for accessory limitations when using KGP-2A/2B units.

KGP-2A/2B FEATURES

- Compatible Radios: 60G/62/63G-Series, 80-Series & TK-7150/8150 mobiles
- KGP-2A/2B air protocol is backward compatible with KGP-1A/1B
- Programmable Auto-reporting or polled updates
- 256 Mobile IDs x 256 Groups
- Mil-Spec 810C, D & E Dust, Vibration and Shock
- Over-the-air programming- Data Rate 1200 or 2400 baud (except initial programming; see KPG-73D)
- Windows (tm) 95, 98 & Me Programming Software (KPG-73D)
- Sixteen Multi-purpose Programmable I/O's [External Connectors; [DB-9 (ACC2); DB-15(ACC-3)]
 - Each I/O programmable for either an analog "input" or output" (dispatch-AVL mapping software must support)
 - Inputs for external sensors, switches, contacts, etc.
 - Outputs for external relays, controls, etc.(mapping software must support)
- LED Status Indicators
 - DC Source- indicates receiving power from the mobile
 - Data- indicates KGP-unit is sending /receiving data
 - GPS- indicates receiving a GPS signal (KGP-2A)
- Flashrom Firmware / Compact Size

ACCESSORY COMPATIBILITY

	KCT-18	KCT-19	KAP-1	KCT-29	KCT-40	KCT-31	KCT-34	KCT-35	KCT-36	KDS-100	KGP-2A/2B
KCT-18		X	X (a)	X (b)	X	X (b)	X (b)	X (b)	:	X (b)	X (b)
KCT-19	X		X (a)	:		X (c)	:	:	:	:	:
KAP-1	X (a)	X (a)		:	:	X (d)	:	:	:	:	:
KCT-29	X (b)	:	:			X (c)	:	:	:	:	:
KCT-40	X								X	X	X
KCT-31	X (b)	X (c)	X (c)	X (c)			:	:	:	:	:
KCT-34	X (b)	:	:	:		:		:	X	X	X
KCT-35	X (b)	:	:	:		:	:		X	X	X
KCT-36					X		X	X		X	X
KDS-100	X (b)	:	:	:	X	:	X	X	X		:
KGP-2A/2B	X (b)	:	:	:	X	:	X	X	X	:	

Chart Key

X = compatible

X () = compatible, but additional options/modification may be required; some modifications are "Dealer-installed only; refer to Kenwood application notes" (no Kenwood install labor code available).

Blank= Not compatible

Gray= Non-applicable

Remarks

(a) The KAP-1 PA/HA relay board requires a KCT-19 to route the PA & HA outputs external of the mobile.

(b) Installing the option in the left-hand column will require the KCT-18 to be routed under the DC cable grommet, stripped /tinned and soldered directly to the ignition sense input inside the mobile Dealer-installed only; refer to Kenwood application notes.

(c) [80-Series mobile only] This install must share the SB+ and GND connections. The KCT-31 connects to the 80-Series COM1 port only. Dealer-installed only; refer to Kenwood application notes.

(d) [80-Series mobile only] This install must share the SB+ and GND connections. Dealer-installed only; refer to Kenwood application notes. The KAP-1 requires a KCT-19.

FOR 80-SERIES MOBILES

Model	Description	Dealer	List
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FOR EACH BASE STATION ORDER:

1. KGP-2B Modem Unit - one KGP-Protocol base/control station modem unit required per AVL system
2. KCT-34 interface cable & L-929 install code - connects the KGP-2B to the base/control station mobile
3. Computer Serial Cable Required (not supplied)- The KGP-2B-to-PC COM port connection for AVL data is made via a dealer-supplied computer serial communication port cable. The serial cable should be a D-Sub 9-Pin Female (KGP-2B; ACC1 end) and the appropriate D-Sub 9-Pin or 25-Pin on the PC serial COM port end. Serial cables are wired "Null Modem" with pins 2-to-3 and 3-to-2 configured end connectors

FOR EACH FLEET MOBILE ORDER:

1. KGP-2A GPS Receiver-Modem Unit - the KGP-Protocol fleet mobile unit
2. KCT-34 interface cable & L-929 - connects the KGP-2A to the fleet 80-Series mobile
3. Note: KCT-19 & KCT-34 cables cannot be installed simultaneously- Therefore using a KCT-34 excludes plug-in of a KCT-19 for KES-5 external speaker (use KES-3), Horn Alert output, Data modem I/O's, footswitch input and headsets.

KGP-2B	Base Modem Unit	\$135.00	\$225.00
	<ol style="list-style-type: none"> 1. One KCT-34 is required for each fleet and base mobile radio 2. L-929 - Install KCT-34 to 80-Series Mobile for KGP-2A/2B interface 3. The KCT-34 is 12 inches in length; use a KCT-36 (9.8 ft) extension if required 		
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna)	\$315.00	\$525.00
	<ol style="list-style-type: none"> 1. One KCT-34 is required for each fleet and base mobile radio 2. L-929 - Install KCT-34 to 80-Series Mobile for KGP-2A/2B interface 3. The KCT-34 is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required 		

INSTALLATION RELATED ACCESSORIES

KCT-34	KGP-2A Radio Interface Cable for 80-Series mobiles	12.60	21.00
KCT-36	KCT-34/35/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00

INSTALLATION/TUNING CHARGES

L-929	Install KCT-34 to 80-Series mobile for KGP-2A/2B (order KPG-34 separately)	12.60	21.00
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SERVICE RELATED ACCESSORIES

KPG-73D	Programming Software for KGP-2A/2B ;Windows 95, 98 & Me compatible	59.00	N/A
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Land-Mobile Price List

FOR 60G/62G/63G-SERIES MOBILES

Model	Description	Dealer	List
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FOR EACH BASE STATION ORDER:

1. KGP-2B Modem Unit - one KGP-Protocol base/control station modem unit required per AVL system
2. KCT-35 cable & L-930 - connects the KGP-2B to the 60G-Series base/control station mobile
3. Computer Serial Cable Required (not supplied)- The KGP-2B-to-PC COM Port connection for AVL data is made via a dealer-supplied computer serial communication port cable. The serial cable should be a D-Sub 9-Pin Female (KGP-2B; ACC1 end) and the appropriate D-Sub 9-Pin or 25-Pin on the PC serial COM Port end. Serial cables are wired "Null Modem" with pins 2-to-3 and 3-to-2 configured end connectors

FOR EACH FLEET MOBILE ORDER:

1. KGP-2A GPS Receiver-Modem Unit - the KGP-Protocol fleet mobile unit
2. KCT-35 cable & L-930 - connects the KGP-2A to the fleet 60G-Series mobile
3. The KCT-19 & KCT-35 cannot be installed simultaneously- Therefore using a KCT-34 excludes plug-in of a KCT-19 for KES-5 external speaker (use KES-3), Horn Alert output, Data modem I/O's, footswitch input and headsets.

KGP-2B	Base Modem Unit	\$135.00	\$225.00
	1. One KCT-35 is required for each fleet and base mobile radio		
	2. L-930 - Install KCT-35 to 60G/62G/63G-Series Mobile for KGP-2A/2B interface		
	3. The KCT-35 is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required		
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna)	\$315.00	\$525.00
	1. One KCT-35 is required for each fleet and base mobile radio		
	2. L-930 - Install KCT-35 to 60G/62G/63G-Series Mobile for KGP-2A/2B interface		
	3. The KCT-35 is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required		

INSTALLATION RELATED ACCESSORIES

KCT-35	KGP-2A Radio Interface Cable for 60G/-Series mobiles	12.60	21.00
KCT-36	KCT-34/35/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00

INSTALLATION/TUNING CHARGES

L-930	Install KCT-35 to 60G-Series mobile for KGP-2A/2B (order KPG-35 separately)	12.60	21.00
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SERVICE RELATED ACCESSORIES

KPG-73D	Programming Software for KGP-2A/2B ;Windows 95, 98 & Me compatible	59.00	N/A
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Land-Mobile Price List

FOR TK-7150/8150 MOBILES

Model	Description	Dealer	List
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FOR EACH BASE STATION ORDER:

1. KGP-2B Modem Unit - one KGP-Protocol base/control station modem unit required per AVL system
2. KCT-40 cable- connects the KGP-2B to the base 50-Series mobile
3. Computer Serial Cable Required (not supplied)- The KGP-2B-to-PC COM Port connection for AVL data is made via a dealer-supplied computer serial communication port cable. The serial cable should be a D-Sub 9-Pin Female (KGP-2B; ACC1 end) and the appropriate D-Sub 9-Pin or 25-Pin on the PC serial COM Port end. Serial cables are wired "Null Modem" with pins 2-to-3 and 3-to-2 configured end connectors

FOR EACH FLEET MOBILE ORDER:

1. KGP-2A GPS Receiver-Modem Unit - the KGP-Protocol fleet mobile unit
2. KCT-40 cable- connects the KGP-2A to the fleet 50-Series mobile

KGP-2B	Base Modem Unit	\$135.00	\$225.00
	1. One KCT-40 is required for each fleet and base mobile radio		
	2. The KCT- 40 is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required		
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna)	\$315.00	\$525.00
	1. One KCT-40 is required for each fleet and base mobile radio		
	2. The KCT-40 is 12 inches in length; use a KCT-36 (9.8 ft.) extension if required		

INSTALLATION RELATED ACCESSORIES

KCT-40	KGP-2A/2B & KDS-100 Radio Interface Cable for 50-Series Mobiles	12.60	21.00
KCT-36	KCT-34/35/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00

SERVICE RELATED ACCESSORIES

KPG-73D	Programming Software for KGP-2A/2B ;Windows 95, 98 & Me compatible	59.00	N/A
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RASTRAC® MX Mobile Asset Management Software **Available from Manning NavComp**

The KGP-2A/2B GPS AVL systems require a mapping software package "specifically engineered" for KGP-protocol compatibility. Manning NavComp's RASTRAC® software provides AVL mapping/fleet management. To purchase, or for more information contact:

Manning NavComp, Inc.
4205 Park Dr.
Lago Vista, Texas 78645
Ph.: 512-267-7800, Fax: 512-267-9200
E-mail: sales@navcomp.com
Web: http://www.navcomp.com

RASTRAC® MX allows you to view the geographic tracks and statuses of a set of remote mobile vehicles as they travel, in an interactive graphic environment. RASTRAC® MX is uniquely designed to provide maximum user configure-ability while simultaneously offering the ease of use associated with the Microsoft® Windows environment. RASTRAC® MX operates on a map database composed of raster images and layered vector maps. The database is completely accessible to you, so you can create new maps and change existing ones, updating your particular database to satisfy the demands of your application.

Manning NavComp	Description	Dealer	List
RASTRAC ® Lite	Basic mobile asset tracking software package for the economy-minded fleet; tracks up to 99 mobiles Note: CD-ROM includes US Major Roads Map.Price includes cost of one County Map of your choice-specify when ordering from Manning.	719.00	1,199.00
RASTRAC ® MX	Advanced mobile asset tracking software package Tracks up to 5 mobiles. (10, 40 & "unlimited 128" mobiles are optional- call Manning for pricing)CD-ROM includes US Major Roads Map.Price includes cost of one County Map of your choice-specify when ordering from Manning.	Call Manning NavComp for pricing	Call Manning NavComp for pricing
Extra Co. Maps	Specify county(s)	61.00	99.00
State Maps	Specify state	329.00	549.00

Minimum Computer Requirements:



200 MHz Pentium®, Windows 95/NT, 32MB ram, 3.2 MB Hard Drive, CD-ROM Drive (486 microprocessors are sufficient speed will not be optimum).

Optional Ideal System also includes: 17" Monitor, Sound-blaster TM Audio Card. 28.8 kbps modem, 2 MB V_RAM on 3-D Video Card, 1.44 MB floppy drive (a computer that can optimize RASTRAC® multimedia advisories)

All Manning information on products and prices are provided here for your convenience, contact Manning for most current information as Kenwood is not responsible for any errors or changes in this information.

Land-Mobile Price List

TK-2100
ProTalk™ Portable Radio

 <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">1 Channel</div>	 <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">2 Channels</div>
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Included Accessories: Battery, Charger, Antenna and Belt Clip.

- VHF 2 Watts
- 1 & 2 Channel Models
- User Programmable Frequencies
- Loud 500 mW Audio
- Programmable QT Per Channel
- Small & Lightweight
- Rugged MIL-STD 810 C, D, & E
- Die-Cast Chassis
- Polycarbonate Case
- Weather-Sealed Construction
- Two Color LED
- T-O-T
- Busy Ch. Lockout
- Low Battery Alert
- 2 Year Limited Warranty
- TK-260/360 Compatible Accessories

PACKAGE OPTIONS

Important Note:

Non-Standard Packages for all TK-2100/3100 models can only be ordered in quantities of 10 or more per individual model number! Orders cannot be mixed-n-matched to get 10 pieces!

Model	Description	Dealer	List
VHF	KNB-14BK battery, KSC-23BK charger, and KRA-19BK or KRA-16M antenna included		
TK-2100V1	150-160 MHz VHF 2W, 1 Ch. (KRA-19BK helical antenna included) - Standard Package	\$147.65	\$227.00
TK-2100V2	150-160 MHz VHF 2W, 1 Ch. (KRA-16M stubby antenna included)	\$149.45	\$230.00
TK-2100V9	150-160 MHz VHF 2W, 2 Ch. (KRA-19BK helical antenna included) - Standard Package	\$157.05	\$242.00
TK-2100V10	150-160 MHz VHF 2W, 2 Ch. (KRA-16M stubby antenna included)	\$158.85	\$245.00
VHF	KNB-14BK battery, KSC-16BK charger, and KRA-19BK or KRA-16M antenna included		
TK-2100V3	150-160 MHz VHF 2W, 1 Ch. (KRA-19BK helical antenna included)	\$167.65	\$258.00
TK-2100V4	150-160 MHz VHF 2W, 1 Ch. (KRA-16M stubby antenna included)	\$169.45	\$261.00
TK-2100V11	150-160 MHz VHF 2W, 2 Ch. (KRA-19BK helical antenna included)	\$177.05	\$273.00
TK-2100V12	150-160 MHz VHF 2W, 2 Ch. (KRA-16M stubby antenna included)	\$178.85	\$276.00
VHF	KNB-15ABK battery, KSC-23BK charger, and KRA-19BK or KRA-16M antenna included		
TK-2100V5	150-160 MHz VHF 2W, 1 Ch. (KRA-19BK helical antenna included)	\$162.65	\$250.00
TK-2100V6	150-160 MHz VHF 2W, 1 Ch. (KRA-16M stubby antenna included)	\$164.45	\$253.00
TK-2100V13	150-160 MHz VHF 2W, 2 Ch. (KRA-19BK helical antenna included)	\$172.05	\$265.00
TK-2100V14	150-160 MHz VHF 2W, 2 Ch. (KRA-16M stubby antenna included)	\$173.85	\$268.00
VHF	KNB-15ABK battery, KSC-16BK charger, and KRA-19BK or KRA-16M antenna included		
TK-2100V7	150-160 MHz VHF 2W, 1 Ch. (KRA-19BK helical antenna included)	\$182.65	\$281.00
TK-2100V8	150-160 MHz VHF 2W, 1 Ch. (KRA-16M stubby antenna included)	\$184.45	\$284.00
TK-2100V15	150-160 MHz VHF 2W, 2 Ch. (KRA-19BK helical antenna included)	\$192.05	\$296.00
TK-2100V16	150-160 MHz VHF 2W, 2 Ch. (KRA-16M stubby antenna included)	\$193.85	\$299.00

Land-Mobile Price List

TK-3100
ProTalk™ Portable Radio



1 Channel

- Included Accessories: Battery ,Charger, Antenna and Belt Clip.
- UHF 2 Watts
- 1 & 2 Channel Models
- User Programmable Frequencies
- Loud 500 mW Audio
- Programmable QT Per Channel
- Small & Lightweight
- Rugged MIL-STD 810 C, D, & E
- Die-Cast Chassis
- Polycarbonate Case
- Weather-Sealed Construction
- Two Color LED
- T-O-T
- Busy Ch. Lockout
- Low Battery Alert
- TK-260/360 Compatible Accessories
- 2 Year Limited Warranty
- 2 Year Limited Warranty



2 Channels

PACKAGE OPTIONS

Important Note:

Non-Standard Packages for all TK-2100/3100 models can only be ordered in quantities of 10 or more per individual model number! Orders cannot be mixed-n-matched to get 10 pieces!

Model	Description	Dealer	List
UHF	KNB-14BK battery, KSC-23BK charger, and KRA-20BK or KRA-17M antenna included		
TK-3100U1	460-470 MHz UHF 2W, 1 Ch. (KRA-20BK helical antenna included) - Standard Package	\$162.55	\$250.00
TK-3100U2	460-470 MHz UHF 2W, 1 Ch. (KRA-17M stubby antenna included)	\$164.35	\$253.00
TK-3100U9	460-470 MHz UHF 2W, 2 Ch. (KRA-20BK helical antenna included) - Standard Package	\$173.60	\$267.00
TK-3100U10	460-470 MHz UHF 2W, 2 Ch. (KRA-17M stubby antenna included)	\$175.40	\$270.00
UHF	KNB-14BK battery, KSC-16BK charger, and KRA-20BK or KRA-17M antenna included		
TK-3100U3	460-470 MHz UHF 2W, 1 Ch. (KRA-20BK helical antenna included)	\$182.55	\$281.00
TK-3100U4	460-470 MHz UHF 2W, 1 Ch. (KRA-17M stubby antenna included)	\$184.35	\$284.00
TK-3100U11	460-470 MHz UHF 2W, 2 Ch. (KRA-20BK helical antenna included)	\$193.60	\$298.00
TK-3100U12	460-470 MHz UHF 2W, 2 Ch. (KRA-17M stubby antenna included)	\$195.40	\$301.00
UHF	KNB-15ABK battery, KSC-23BK charger, and KRA-20BK or KRA-17M antenna included		
TK-3100U5	460-470 MHz UHF 2W, 1 Ch. (KRA-20BK helical antenna included)	\$177.55	\$273.00
TK-3100U6	460-470 MHz UHF 2W, 1 Ch. (KRA-17M stubby antenna included)	\$179.35	\$276.00
TK-3100U13	460-470 MHz UHF 2W, 2 Ch. (KRA-20BK helical antenna included)	\$188.60	\$290.00
TK-3100U14	460-470 MHz UHF 2W, 2 Ch. (KRA-17M stubby antenna included)	\$190.40	\$293.00
UHF	KNB-15ABK battery, KSC-16BK charger, and KRA-20BK or KRA-17M antenna included		
TK-3100U7	460-470 MHz UHF 2W, 1 Ch. (KRA-20BK helical antenna included)	\$197.55	\$304.00
TK-3100U8	460-470 MHz UHF 2W, 1 Ch. (KRA-17M stubby antenna included)	\$199.35	\$307.00
TK-3100U15	460-470 MHz UHF 2W, 2 Ch. (KRA-20BK helical antenna included)	\$208.60	\$321.00
TK-3100U16	460-470 MHz UHF 2W, 2 Ch. (KRA-17M stubby antenna included)	\$210.40	\$324.00

Land-Mobile Price List

TK-3101K2

FreeTalk XL™ Portable Radio

Model	Description	Dealer	List
UHF	Antenna, Battery, Spring action belt clip (KBH-8) and Drop-in Charger (KSC-23BK) included		
TK-3101K2	460-470 MHz UHF 2W, 15 Ch.	\$178.75	\$275.00

- 2 Watts UHF FM
- 15 Channels
- FreeTalk FRS Compatible
- Loud 500 mW Audio
- Programmable QT Per Channel
- Repeater Capability
- Small & Lightweight
- Rugged MIL-STD 810 C, D, & E
- Die-Cast Chassis
- Polycarbonate Case
- Weather-Sealed Construction
- NEW Full Color Action-Photo Packaging



15 Channels

- Two Color LED
- T-O-T
- Busy Ch. Lockout
- Low Battery Alert
- ProTalk & TK-260/360 Compatible Accessories
- 2 Year Limited Warranty

Included Accessories:

- Sealed KNB-14 - 8 Hr. NiCd Pk.
- KSC- 23BK Regular Rate Desktop charger
- KRA-15AM Rugged SMA Antenna
- KBH-8 Spring Action Belt Clip

Accessories for TK-2100/3100/3101K2

Model	Description	Dealer	List
ANTENNAS			
KRA-14M	VHF helical antenna 148-162 MHz (TK-2100)	\$10.20	\$17.00
KRA-15AM	UHF whip antenna 450-490 MHz (TK-3100/3101)	10.20	17.00
KRA-16M	VHF stubby antenna 148-162 MHz (TK-2100) --- same as supplied w/TK-2100V's	7.80	13.00
KRA-17M	UHF stubby antenna 450-490 MHz (TK-3100/3101) --- same as supplied w/TK-3100U's	7.80	13.00
KRA-19BK	VHF helical antenna 148-162 MHz (TK-2100V's) --- same as supplied w/TK-2100V's Note: Not available for purchase as a separate accessory. For replacement or add-on, please order KRA-14M.	N/A	N/A
KRA-20BK	UHF whip antenna 450-490 MHz (TK-3100U's) --- same as supplied w/TK-3100U's Note: Not available for purchase as a separate accessory. For replacement or add-on, please order KRA-15AM.	N/A	N/A
***** Call Kenwood Parts at 800-367-7514 to order the following:			
T90-0694-15	UHF whip antenna 450-460 MHz --- same as supplied w/TK-3100K/K2 only	9.60	16.00
T90-0695-15	VHF helical antenna 150-160 MHz --- same as supplied w/TK-2100K/K2 only	9.60	16.00

Accessories for TK-2100/3100/3101K2 *Continued*

BATTERIES AND CHARGERS

KBP-1	KNB-14 size 6 cell AA Alkaline pack, black (batteries not incl.)	12.00	20.00
KNB-14	600 mAh, 7.2 VDC (4/5W), NiCd battery - same as supplied w/radio	22.00	37.00
KNB-15A	1100 mAh, 7.2 VDC (4/5W) extended capacity NiCd battery	28.00	47.00
KNB-20N ³	1600 mAh NiMH 11 hours life @ 5-5-90 Note: KSC-24 charger required - not compatible with Kenwood NiCd chargers or earlier model leather cases	28.00	47.00
KMB-14	Six Unit Charger Adapter for the KSC-15/16/17/18/19 (chargers not included)	99.00	165.00
KMB-16	Six Unit Charger Adapter for the KSC-24 (chargers not included)	99.00	165.00
KMB-21	Six Unit Charger Adapter for the KSC-23BK/28 (chargers not included)	99.00	165.00
KSC-15	Regular rate single unit desk charger	16.80	28.00
KSC-15M	220 volt Regular rate single unit desk charger	16.80	28.00
KSC-23BK	Regular rate single unit desktop charger 120V - same as supplied w/TK-2100/3100 and TK-3101K2 Note: Not available for purchase as a separate accessory. For replacement or add-on chargers, please order KSC-15/24.	N/A	N/A
KSC-24	Rapid rate single unit dual-chemistry charger (for NiCd & NiMH batteries) Note: Compatible with KNB-14/15A/20N; KMB-16 DC Gang Charger Adapter; KVC-4 DC Charger Adapter.	\$35.40	\$59.00
KSC-24E	220V Rapid rate single unit dual-chemistry charger (for NiCd & NiMH batteries) Note: Compatible with KNB-14/15A/20N; KMB-16 DC Gang Charger Adapter; KVC-4 DC Charger Adapter.	\$35.40	\$59.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15, 17, 19 (chargers not included)	36.00	60.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16, 18, 24 (chargers not included)	48.00	80.00

CARRYING ACCESSORIES

KBH-8 ¹	Spring action belt clip	4.80	8.00
KBH-8DS ¹	Swivel belt loop with D-Ring	15.00	25.00
KLH-83B	Heavy duty carrying case w/bungi-cord for TK-2100/3100/3101 - Replaces KLH-83 Note: Compatible with KNB-14/15A/20N	21.00	35.00
KLH-84B	Nylon case for TK-2100/3100/3101 (Black)	8.40	14.00
KLH-6SW	Swivel belt loop / detachable swivel back for KLH-58/60/70/71/75/76/78/79/83B	12.60	21.00
KWR-1	Water resistant bag	17.00	29.00

MICROPHONE AND SPEAKERS

EMC-3	Clip Mic w/earphone	17.97	29.95
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	31.75	53.00
HMC-3	Headset w/PTT & VOX	35.97	59.95
KEP-2	2.5mm earphone kit for KMC-17 Speaker Mics (Black only). [KEP-2 & KMC-21 are not plug-compatible].	30.00	50.00
KHS-1	Order HMC-3	N/A	N/A
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db	210.00	350.00

Accessories for TK-2100/3100/3101K2 Cont'd...

Model	Description	Dealer	List
MICROPHONE AND SPEAKERS CONT'D...			
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db	\$192.00	\$320.00
KHS-7	Single muff headset w/boom mic (black)	40.00	67.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT (black)	60.00	100.00
KHS-8BE	Two-Wire palm mic w/earphone (beige)	59.00	99.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	59.00	99.00
KHS-9BE	Three-Wire lapel mic w/earphone (beige)	95.00	159.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	95.00	159.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver; low profile wire head band; VOX-ready (radio must have VOX feature)	23.40	39.00
KMC-17	Speaker microphone (Built-in 2.5mm miniature earphone jack)	49.20	82.00
KMC-21	Compact speaker microphone	29.40	49.00

SERVICE RELATED ACCESSORIES

KPG-22	Programming interface cable (powered by P.C.s serial port)	109.00	N/A
KPG-48D	Field Programming Unit for TK-2100/3100/3101	39.00	N/A
KPT-60 ²	Programming Unit for TK-2100/3100 (incl. ProTalk™ Interface Cable)	65.00	108.00

Call Kenwood Parts at 800-367-7514 to order the following:

C100569-19	KHS-8BE/9BE Replacement eartips, 10 per pack, beige (Recommended for sanitary purposes)	8.50	10.00
C100569-2	KHS-8BL/9BL Replacement eartips, 10 per pack, black	8.50	10.00
C100693-19	KHS-8BE/9BE Acoustic tube replacement kit, beige (Clear coiled tubing)	12.00	16.35
C100693-2	KHS-8BL/9BL Acoustic tube replacement kit, black	12.00	16.35
C100733	KHS-8/9 Noise attenuating kit, 1 set per pack (Foam ear tips pieces)	2.50	4.00
C807027-05	KHS-7 Foam mic windscreen, 5 pcs per pack	4.50	6.80
C807028-05	KHS-7 Foam ear cushion, 2 pcs per pack	4.00	6.50
W08-0551-05	AC Adapter (same as supplied w/ TK-2100/3100/3101K --- Reg. Rate single unit desk charger not incl.)	10.03	16.85
W08-0552-15	Regular rate single unit desk charger (same as supplied w/TK-2100/3100/3101K --- AC Adapter not incl.)	13.59	22.83

Installation / Tuning Charges for TK-2100/3100/3101K2

Model	Description	Dealer	List
L-820	Assemble KMB-14 with six KSC-15's (120 volt versions only!) Order product separately.	\$9.00	\$15.00
L-821	Assemble KMB-14 with six KSC-16's (120 volt versions only!) Order product separately.	9.00	15.00
L-836	Assemble KMB-16 with six KSC-24's	9.00	15.00
L-852	Change channel to other frequencies* or program	15.00	25.00

*Note: ProTalk™ channels can be changed by the Dealer by following the Instructions Manual.

¹ Retain the screws included with the metal belt clip (included with radio). These are required to attach the KBH-8 or KBH-8DS. Screws also available from Parts Dept.: Part # N99-0396-05.

² The KPT-60 can only access the pre-stored memory bank frequencies and coded squelch tones (QT/DQT) that have been either Kenwood factory pre-programmed or Kenwood dealer pre-programmed. The KPT-60 DOES NOT replace the KPG-22/KPG-48D programming cable/software available to Kenwood Authorized two-way dealerships. Only the KPG-22/KPG-48D has full radio frequency and parameter programming capability for ProTalk™ (sets memory banks to any frequency in the radios band range; re-programs coded squelch tables for any QT/DQT; sets T-O-T, squelch, beep tone, battery save, busy channel lockout, wide/narrow bandwidth and monitor function).

³ **Important Note regarding KNB-20N:**

- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.

- NiMH batteries capacity life is slightly lower than NiCd: **NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles**

BUSINESS RADIO COMMUNICATIONS PRODUCTS

Terms & Conditions Summary

1. Freight will be Prepaid Ground on all orders with 10 radios or more, mix-n-match, on a single shipment.
2. Quantity Discounts will apply to the numbers of radios mix-n-match ordered on a single order to ship at the same time. UBZ models may not be combined with any other model radios to achieve discount levels. ProTalk™/FreeTalk XL™/XLS models may be combined with other Land Mobile radios, except the UBZ's, to achieve quantity discounts, except at the 25-Piece price. To obtain the 25-Piece price on ProTalk™/FreeTalk XL™/XLS models, orders must be for those models only, mix-n-match, for a single shipment.

a. FreeTalk™ (UBZ's)

<u># of Radios</u>	<u>Qty Discounts*</u>
5 to 9	2%
10 to 19	4%
20 to 24	6%
25+	15%

b. ProTalk™/FreeTalk XL™/XLS

<u># of Radios</u>	<u>Qty Discounts*</u>
10 to 24	5%
25-Piece	15%

* Quantity Discounts are percentage off Dealer price. Quantity Discounts apply to radios ONLY.

3. Prompt pay terms: 2% 30, Net 31 days from date of invoice with approved credit.
4. Please review Kenwood Communications Terms and Conditions for more details.

KENWOOD SERVICE
2201 E. DOMINGUEZ ST.
PO BOX 22745
LONG BEACH, CA 90801-5745
PH: (310) 639-5300
FAX: (310) 761-8290

KENWOOD COMMUNICATIONS
Distribution:
2201 E. Dominguez St.
Long Beach, CA 90810
PH: (310) 639-4200
FAX: (310) 761-8246

KENWOOD PARTS DEPT.
2201 E. DOMINGUEZ ST.
PO BOX 22745
LONG BEACH, CA 90801-5745
PH: (800) 367-7514 (Dealers)
FAX: (800) 437-7255

Land-Mobile Price List

UBZ-LH14

FreeTalk™ Radio Series

Model	Description	Dealer	List
Belt-clip included			
UBZ-LH14BK	FreeTalk™ - Family Radio Service (Black)	\$61.72	\$94.95
UBZ-LH14YK	FreeTalk™ - Family Radio Service (Yellow)	61.72	94.95

FreeTalk™ is a registered trademark of Kenwood Corporation

UBZ-LH14 FEATURES:

TRADITIONAL FreeTalk™ FEATURES:

- 14 Channels
- 38 Talk Groups (CTCSS)
- Privacy Talk Voice Scrambling
- 180 Degree swivel fold-down antenna
- Display Lamp
- 4 Call Ring Tones
- Key Lock (channel lock)
- Transmit Power Save (T-O-T)
- Call Tone (Identification Tone)
- Battery Saver
- Auto Power Off
- Low Battery Alert Indicator/Beep
- Long Battery Life: Up to 40 hours of Operation
- Operates on 3 AA Alkaline Cells (batteries not included) or optional rechargeable battery
- JIS Water-Resistant Standard



FEATURES:

- Louder Audio (SPL)
- Larger LCD Display
- Larger Controls
- Ergonomic Case Design
- Menu-Driven Feature Mode
- CORDS (In-Range Detect System)
- 500 mW Transmit Power
- Hinged Battery Door
- Scan Mode with Auto-Channel Select (without SMC-34)
- One Year Warranty

Additional Features With Optional SMC-34:

- Additional Call Tone
- Channel Scan (searches for free or busy channel)
- External PTT
- External Volum Control
- External Speaker / Microphone

Accessories for UBZ-LH14

Model	Description	Dealer	List
BATTERIES AND CHARGERS			
UBC-4	Regular rate charger for UBZ-GM14/LF14/LH14 (UPB-2 NiCd battery sold separately)	15.00	25.00
UPB-2	700mAh, 3.6V DC NiCd battery for UBZ-GM14/LF14/LH14	14.40	24.00
CARRYING ACCESSORIES			
SB-2A	Neoprene armband	7.20	12.00
SB-3	Neckstrap (Sold in packages of 10 only. Price is for a package of 10.)	21.00	35.00
USC-5B	Nylon case w/belt clip for UBZ-LH14 (black)	9.00	15.00
MICROPHONES AND SPEAKERS			
EMC-3	Clip Mic w/earphone	17.97	29.95
HMC-3	Headset w/PTT & VOX	35.97	59.95
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver; low profile wire head band; VOX-ready (radio must have VOX feature)	23.40	39.00
SMC-34	Speaker Microphone w/volume control & (3) function keys	23.97	39.95

BUSINESS RADIO COMMUNICATIONS PRODUCTS

Terms & Conditions Summary

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2. Quantity Discounts will apply to the numbers of radios mix-n-match ordered on a single order to ship at the same time. UBZ models may not be combined with any other model radios to achieve discount levels. ProTalk™/FreeTalk XL™/XLS models may be combined with other Land Mobile radios, except the UBZ's, to achieve quantity discounts, except at the 25-Piece price. To obtain the 25-Piece price on ProTalk™/FreeTalk XL™/XLS models, orders must be for those models only, mix-n-match, for a single shipment.

a. FreeTalk™ (UBZ's)

<u># of Radios</u>	<u>Qty Discounts*</u>
5 to 9	2%
10 to 19	4%
20 to 24	6%
25+	15%

b. ProTalk™/FreeTalk XL™/XLS

<u># of Radios</u>	<u>Qty Discounts*</u>
10 to 24	5%
25-Piece	15%

* Quantity Discounts are percentage off Dealer price. Quantity Discounts apply to radios ONLY.

3. Prompt pay terms: 2% 30, Net 31 days from date of invoice with approved credit.
4. Please review Kenwood Communications Terms and Conditions for more details.

KENWOOD SERVICE
2201 E. DOMINGUEZ ST.
PO BOX 22745
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LONG BEACH, CA 90801-5745
PH: (800) 367-7514 (Dealers)
FAX: (800) 437-7255

KDS-100

FleetSync™ Data Terminal For 150/60G/62G/63G & 80-series mobiles

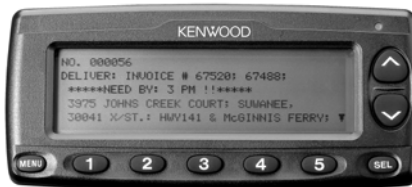
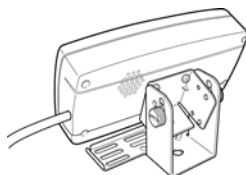
Important! Please read prior to selling a KDS-100 system and ordering product:

1. **KDS-100 Compatible Dispatch Software May Be Required:** The KDS-100 used a fleet unit will decode Status Messages and Selective Calls sent other FleetSync-capable portables or mobiles, from a KDS-100 with a FleetSync capable mobile (PC mode) or a KDS-100 with a non-FleetSync capable mobile (air mode). However, Short and Long Text Messaging requires a base station FleetSync capable mobile PC Serial Interfaced with computer running a FleetSync compatible dispatch software capable of creating and sending Short/Long Text Messages. This software is available from vendors such as:

IDA Corporation, Fargo ND: KenCall Dispatch software

Kenwood Communications Corporation: Fleet Dispatch Pro software (est. available 1Q2003)

2. Check the "ACCESSORY COMPATIBILITY" chart that follows for accessory limitations when using KDS-100 units. The KDS-100 cannot be used simultaneously with a Kenwood KGP-1A/1B or KGP-2A/2B AVL unit.



KDS-100 FEATURES

- Increases FleetSync Message Viewing: 40 Character x 6 line Dot Matix LCD
 - View 5 line Message List x 23 Char. @ line (vs. 1 line Message x 16 Char. scrolling)
 - View Short Text Messages (48 Char.) at once (vs. 48 Char. scrolling)
 - View Long Text Message (1024 Char.) at once (vs. not available)
- Increases FleetSync ID Capacity: 511 IDs (vs. 100 IDs)
 - Base stations can handle larger size fleets
- Increases Status Message List Capacity: 89 Messages (vs. 50 Msgs.)
 - More dispatcher-to-fleet type messages for different job tasks
 - More fleet-to-dispatcher type messages for responses/statuses
- Increased Status Message Stack Memory: 367 Messages (vs. 9 Msg.s)
- Increased Short Text Message Stack Memory: 367 Messages (vs. 4 Msg.s)
- Litium Cell Memory Backup Battery (vs. radio-only volatile message memory)
- Large Backlit LCD & Function Keys
- Simple Installation
- Windows (tm) Compatible Programming Software
- Programming Password Protection
- Built-in FleetSync (tm) DSP Modem
- Real-Time Clock/Message Time Stamping
- 10 Status Message 'Hot Keys'
- Message Sorting & Deletion Screens
- Message Temporary Recycle Bin
- New Message Tone and LED Alerts
- Buzzer Volume Level
- Flashrom Firmware Memory
- MIL-STD 810C/D/E Dust, Vibration, Shock

Model	Description	Dealer	List
KDS-100	FleetSync™ Data Terminal- Includes mounting bracket, mounting hardware and DC Cable Note: The KDS-100 pigtail cable (1.83 ft) combined with the KDS-100 mobile interface cables KCT-34/35/40 (1 ft.) and may not be long enough reach from the KDS-100 to the mobiles installation ponit; use a KCT-36 (9.8 ft.) extention cable if required.	357.00	595.00
KCT-34	KDS-100 Interface Cable for 80-Series Mobiles (TK-780/880/980/981) - Only 1.0 ft.; order a KCT-36 for a 9.8 ft. extension - L-932 - Install KCT-34 to 80-Series Mobile for KDS-100 - Same cable for KGP-2A/2B interface. The KDS-100 and KGP-2A/2B cannot be installed at the same time	12.60	21.00
L-929	Install KCT-34 to 80-Series Mobiles for KDS-100	12.60	21.00
KCT-35	KDS-100 Interface Cable for 60G/62G/63G-Series Mobiles (For TK-760G/860G/762G/862G/863G) - Only 1.0 ft.; order a KCT-36 for a 9.8 ft. extension - L-932 - Install KCT-35 to 60G/62G/63G-Series Mobile for KDS-100 - Same cable for KGP-2A/2B interface; the KDS-100 and KGP-1A/1B, 2A/2B cannot be installed at the same time	12.60	21.00
L-930	Install KCT-35 to 60G/62G/63G Series Mobiles for KDS-100	12.60	21.00
KCT-40	KDS-100 Radio Interface Cable for TK-7150/8150 Mobiles □ Only 1.0 ft.; order a KCT-36 for a 9.8 ft. extension - L-932 - Install KCT-40 to TK-7150/8150 Mobile for KDS-100 - Same cable for KGP-2A/2B interface. The KDS-100 and KGP-2A/2B cannot be installed at the same time	16.60	28.00
KCT-36	KCT-34/35/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KAS-2SFD	FleetDispatchPRO :FleetSync messaging dispatch software for PC (Windows 98/Me/NT/2000/XP compatible) Supports the following FleetSync features: decodes PTT ID, decodes Emergency, encode/decodes Status Messages , encodes Short & Long Text Messages.	219.00	365.00

FleetDispatchPRO Base/Control Station radio Requirements:

80-Series Mobile Only (Version 2 radio or later)
KMC-9C Base station Desktop Microphone recommended
FleetSync Enhanced Enabled (already factory installed except for 800/900 MHz products)
Installed KCT-31 PC Serial Interface Cable (see mobile price pages for details)

FleetDispatchPRO Computer Requirements:

Windows 98 or better (FleetDispatchPRO is Windows 98/Me/NT/2000/XP OS compatible)
Pentium II 450 MHz or higher processor; Minimum 64 MB RAM
10 MB free hard disk space for installation; additional space for message log
CD ROM Drive / VGA or higher resolution monitor / Mouse
One Serial Port & One Parallel Port (for hardware software security key)
Note: Single PC installation/operation; does not support LAN sharing or operation

SERVICE RELATED ACCESSORIES

KPG-71D	WINDOWS (95/98/ME) P.C. Programming Software for KDS-100	59.00	99.00
KPG-46	Programming interface cable	109.00	N/C

ACCESSORY COMPATIBILITY FOR 60G/62G/63G/80/50-SERIES MOBILES

	KCT-18	KCT-19	KAP-1	KCT-29	KCT-40	KCT-31	KCT-34	KCT-35	KCT-36	KDS-100	KGP-2A/2B
KCT-18		X	X (a)	X (b)	X	X (b)	X (b)	X (b)	:	X (b)	X (b)
KCT-19	X		X (a)	:		X (c)	:	:	:	:	:
KAP-1	X (a)	X (a)		:	:	X (d)	:	:	:	:	:
KCT-29	X (b)	:	:			X (c)	:	:	:	:	:
KCT-40	X								X	X	X
KCT-31	X (b)	X (c)	X (c)	X (c)			:	:	:	:	:
KCT-34	X (b)	:	:	:		:		:	X	X	X
KCT-35	X (b)	:	:	:		:	:		X	X	X
KCT-36					X		X	X		X	X
KDS-100	X (b)	:	:	:	X	:	X	X	X		:
KGP-2A/2B	X (b)	:	:	:	X	:	X	X	X	:	

Chart Key

X = compatible
X () = compatible, but additional options/modification may be required; some modifications are
"Dealer-installed only; refer to Kenwood application notes" (no Kenwood install labor code available).
Blank= Not compatible
Gray= Non-applicable

Remarks

(a) The KAP-1 PA/HA relay board requires a KCT-19 to route the PA & HA outputs external of the mobile.
(b) Installing the option in the left-hand column will require the KCT-18 to be routed under the DC cable grommet, stripped /tinned and soldered directly to the ignition sense input inside the mobile Dealer-installed only; refer to Kenwood application notes.
(c) [80-Series mobile only] This install must share the SB+ and GND connections. The KCT-31 connects to the 80-Series COM1 port only. Dealer-installed only; refer to Kenwood application notes.
(d) [80-Series mobile only] This install must share the SB+ and GND connections. Dealer-installed only; refer to Kenwood application notes. The KAP-1 requires a KCT-19.

Land-Mobile Price List

TK-690/790/890

Public Safety / Service Mobile Radios

Model	Description	Dealer	List
TK-690HBK	29.7-37.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	\$612.00	\$1,020.00
TK-690HBK2	35.0-43.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	612.00	1,020.00
TK-690HBK3	40.0-50.0 MHz, 110W, 160 Channels (R.F. DECK ONLY)	612.00	1,020.00

Multi-Mode Versions

TK-790BK	148-174 MHz, 45W, 160 Channels (R.F. DECK ONLY)	438.00	730.00
TK-790BK2	136-156 MHz, 45W, 160 Channels (R.F. DECK ONLY)	438.00	730.00
TK-790HBK*	148-174 MHz, 110W, 160 Channels (R.F. DECK ONLY)	708.00	1,180.00
TK-790K*	148-174 MHz, Basic Front ("BMD"), 45W, 160 Channels	607.40	1,013.00
TK-890BK*	450-490 MHz, 40W, 160 Channels (R.F. DECK ONLY)	468.00	780.00
TK-890BK2	480-512 MHz, 40W, 160 Channels (R.F. DECK ONLY)	468.00	780.00
TK-890BK3	403-430 MHz, 40W, 160 Channels (R.F. DECK ONLY)	468.00	780.00
TK-890HBK*	450-480 MHz, 100/75W, 160 Channels (R.F. DECK ONLY)	738.00	1,230.00
TK-890K	450-490 MHz, Basic Front ("BMD"), 40W, 160 Channels	637.40	1,063.00

* Most popular radios

90-SERIES MOBILE FEATURES:

General Features:

160 Channels
12.5 / 25 kHz Channel Spacing (per channel)
Dual Priority Scan
Flash ROM Memory
MIL-STD 810C, D & E
MIL-Spec "Driven Rain" Control Head

Multiple Configurations:

Dash Mount
Single Head Remote
Dual Head Remote
Dual Band Remote
Dual Head & Dual Band Remote

Basic Control Head

7 Programmable Keys
8 Alphanumeric LCD

Full Featured Control Head

13 Programmable Keys
14 Alphanumeric Dot Matrix LCD

Programmable Key Functions

Emergency
Channel Recall
Direct Channel Select
Home Channel Toggle
LCD Dimmer
Mobile Relay Repeat
Intercom
Operator Selectable Tone
FleetSync PTT ID*
Emergency Mode*
Continuous Call Alert**
Call Alert & Transpond**
Power On Text**
Two Tone Decode A-B, B-C & C-B**
External Speaker status backup**
Horn Alert status backup**
Timed Power Off – Ignition Sense On**

Universal Accessory Connector

Mobile Data Terminals
Mobile Computers
GPS AVL
Repeater Port
Remote Control Port
7 Programmable Input Ports
6 Programmable Output Ports

* Feature available with Version 2.0 radio production; serial S/N 209xxxxx or later

** Feature available with Version 2.0 radio production; serial S/N 303xxxxx or later



Remote Mount Full Feature Dual Control Head

Dash Mount Basic Feature Control Head

Accessory Configuration Sets

Single Band

(see pages 6 - 8 for more information)

Model	Description	Dealer	List
9BHD1	KCH-10, KCT-23M2, KMB-9, KMC-27	\$186.60	\$311.00
9BHDH1	KCH-10(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2)	573.60	956.00
9BHSH1	KCH-10, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27	322.20	537.00
9BMD1	KCH-10, KCT-23M, KMB-5, KMC-27	169.40	283.00
9BMDH1	KCH-10(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2)	554.60	925.00
9BMSH1	KCH-10, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27	303.20	506.00
	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 !		
9FHD1	KCH-11, KCT-23M2, KMB-9, KMC-27, KES-5	269.60	450.00
9FHDH1	KCH-11(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2), KES-5(x2)	739.60	1,234.00
9FHS1	KCH-11, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27, KES-5	405.20	676.00
9FMD1	KCH-11, KCT-23M, KMB-5, KMC-27, KES-5	252.40	422.00
9FMDH1	KCH-11(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2), KES-5(x2)	720.60	1,203.00
9FMSH1	KCH-11, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27, KES-5	386.20	645.00

Dual Band

(see page 9 for more information)

Model	Description	Dealer	List
9BHHD1	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	435.00	725.00
9BHMD1	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	416.00	694.00
9BMMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	397.00	663.00
	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 !		
9FHHDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	518.00	864.00
9FHMD1	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	499.00	833.00
9FMMDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	480.00	802.00

Dual Band Dual Head

(see page 10 for more information)

Model	Description	Dealer	List
9BBHH	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2)	638.40	1,064.00
9BBHM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9	619.40	1,033.00
9BBMM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2)	600.40	1,002.00
	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 !		
9FFHH	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2), KES-5(x2)	804.40	1,342.00
9FFHM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9, KES-5(x2)	785.40	1,311.00
9FFMM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2), KES-5(x2)	766.40	1,280.00

Definition of Configurations

9 = 90-series mobiles	DB = Dual Band Remote Mount
B = Basic Front Panel	DH = Dual Head Remote Mount
F = Full Featured Front Panel	SH = Single Head Remote Mount
H = High Powered	D = Dash Mount
M = Medium Powered	1 = Single Band

Example 1: 9BMDH1 = 90-series, Basic Front, Medium Powered, Dual Head Remote Mount, Single Band Radio

Example 2: 9FHHDB = 90-series, Full Featured Front, High Powered, High Powered, Dual Band

Example 3: 9BBHM = 90-series, Basic Front, Basic Front, High Powered, Medium Powered, Dual Band

Accessories for 90-Series Mobile Radios

Model	Description	Dealer	List
CABLES			
KCT-18	Ignition sense cable	\$7.80	\$13.00
KCT-22M	Control cable - 8 Feet	42.00	70.00
KCT-22M2	Control cable - 17 Feet (Standard accessory config. set cable)	48.00	80.00
KCT-22M3	Control cable (25 Feet)	54.00	90.00
KCT-23M	DC Cable (35/45W Dash mount)	18.00	30.00
KCT-23M2	DC Cable (75/110W Dash mount)	22.20	37.00
KCT-23M3	DC Cable (35/45W Remote mount)	19.80	33.00
KCT-23M4	DC Cable (75/110W Remote mount)	25.80	43.00
INSTALLATION ACCESSORIES			
KCK-6 ¹	Auxiliary Adapter for 90-Series Mobiles (For AUX A, B, & C)	69.00	115.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max)	24.00	39.50
KMB-10	Key Lock Adapter for use with KMB-5	15.00	25.00
KMB-5	Medium Power Mounting Bracket (35W/45W models)	8.00	14.00
KMB-9	High Power Mounting Bracket with built-in key lock (75W/110W models)	21.00	35.00
MICROPHONES AND SPEAKERS			
KES-5	External Speaker (40W max input)	35.00	59.00
	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 !		
KMC-27	Rugged standard microphone with noise canceling, MIL-STD and driven rain features	59.40	99.00
KMC-28	DTMF microphone (MIL-SPEC, Noise canceling)	93.00	155.00
KMC-9B	Desk top microphone	55.20	92.00
MISCELLANEOUS ITEMS			
KCH-10	Basic Control Panel	84.00	140.00
	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 !		
KCH-11	Full Featured Control Panel	132.00	220.00
KRK-5	Single Control Head Remote Mount Kit	84.00	140.00
KRK-6DH	Dual Control Head Remote Mount Kit	144.00	240.00
KRK-7DB	Dual Band Control Head Remote Mount Kit	150.00	250.00
KRK-8DBH	Dual Band Dual Head Remote Mount Kit	162.00	270.00
SERVICE RELATED ACCESSORIES			
KPG-43	Programming Interface Cable for TK-690/790/890 (requires KPG-44D)	65.40	N/A
KPG-44D	90-Series Mobile Programming Software (3 floppy disks; 3.5" 1.44MB) Windows 98/2000/Me/XP compatible	39.00	65.00
***** Call Kenwood Parts at 800-367-7514 to order the following:			
K29-5276-03	Key Inserts for 90-series mobile (AN, D/A, DIM, HA, HC, IC, MON, OPT, OST, PA)	8.50	14.00
K29-5277-03	Key Inserts for 90-series mobile (RCL, RPT, SCN, SP, SPM, SQ, TA, <up arrow>, <down arrow>)	8.50	14.00
K29-5305-03	Key Inserts for 90-series mobile (CH1, CH2, CH3, CH4, CH5, AUXA, AUXB, AUXC, EMG, ORG)	8.50	14.00
S76-0407-05	1 Amp Relay for 90-series mobile	6.60	11.22

Accessories for 90-Series Mobile Radios

Model	Description	Dealer	List
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QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired G-Star (L-901) or MDC-1200 (L-902) ANI format labor code.
 2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
 3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk
- All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).
- a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
 - b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).

Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarron Technologies Call 800-487-7184 www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down	Important Factory Install Only –Order L-901 or L-902	76.80	128.00
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Installation / Tuning Charges for 90-Series Mobile Radios

Model	Description	Dealer	List
L-846	Package Dash/Single Head Remote for 90-series mobiles	10.00	17.00
L-847	Package Dual Head Remote for 90-series mobiles	20.00	34.00
L-848	Package Dual Band Remote for 90-series mobiles	20.00	34.00
L-849	Package Dual Band Dual Head Remote for 90-series mobiles	30.00	50.00
L-850	Tune TK-890 receiver channel spread (20 MHz max.); specify receive spread (See Pg. 37)	N/C	N/C
L-854	Tune 90-series mobile	18.00	30.00
L-858	Modify 90-series mobile Single Band (Single Head) Mobile for Pyramid Vehicular Repeater	45.00	75.00
L-859	Modify 90-series mobile Single Band (Dual Head) Mobile for Pyramid Vehicular Repeater Note: L-859 labor code was originally for Dual Head (Single Head) and has been changed to Dual Head (Single Band). For more info. pls. see "Pyramid Instruction Guide revision E (9/24/01)".	45.00	75.00
L-861	Install Horn Alert output relay for 90-series mobiles (1 amp max.) --- Part #S76-0407-05 Relay incl.	42.00	70.00
L-862 ²	Install Key Inserts for 90-series mobiles	9.00	15.00
L864 ^{3, 4}	KCT-22A Extended Control Head Cable (up to 50 ft. max. [†])	114.00	190.00
L865 ^{3, 4}	KCT-22A Extended Control Head Cable (up to 100 ft. max. [†])	147.00	245.00
L866 ⁵	KCT-23A-K2 Two Conductor 75/110W High Power DC Cable (2 Conductor: 1x23 ft. positive, 1x23 ft. negative; AWG #10)	45.00	75.00
L-867	Jumper foil for SB to pin 14 of accessory connector for 90-series mobile (Ref. 90-Series Mobile Service Manual, page 17/18)	15.00	25.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	30.00	50.00
L-883	Modify 90-series mobile for KCT-18	15.00	25.00
L-891	External speaker modification for 90-series mobile Control Head (13W) 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:	6.00	10.00
L-901	Program and install QE-2 MDC1200 Encoder	45.00	75.00
L-902	Program and install QE-2 G-Star® Encoder	45.00	75.00
L-903	R640 mic input modification for 90-series mobile	10.00	17.00
L-910 ⁶	Install firmware 094F (90-series mobile * and # DTMF without PTT)	10.00	17.00
L-912	90-Series mobile low imp. mic. Input at RF deck	6.00	10.00
L-917	EXT PTT / Local KMC-27 mic disable 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 systems (fire engines, ambulances).	10.00	17.00
L-921	Modify 90-series mobile Dual Band (Single Head) for Pyramid Vehicular Repeater	45.00	75.00
L-922	Modify 90-series mobile Dual Band (Dual Head) for Pyramid Vehicular Repeater	45.00	75.00

¹ For KCK-6

---> Features: 90-Series AUX A, B, & C Inputs, 3 AUX 1 Amp Relay Outputs, D-Sub 25 90-Series Accessory Connector Parallel Feed Through

---> Supplied Items: Instruction Sheet (1pc.), KCK-6 (1pc.), Insulated Spade Lugs [0.250 female fully insulated, 16-14 wire range] (8pcs.)

***Hardware that may be required but NOT supplied - two 3/16" mounting screws, male-to-female DB-25 straight through serial cable, & wire peripheral.**

CAUTION: KCK-6 Relays are rated at 1A maximum. Do Not Exceed. The KCK-6 is not intended to directly drive siren and light packages. The siren/light package manufacturers recommended high amperage relay units and directions should be followed.

² For new radio tune orders only. Installs only the included KCH-10/11 key inserts. Must specify keys and placement (see Service Manuals for placement diagram, pg. 14). Also, see Service Manuals for technical details (pg. 14). Other Key Inserts are available from Parts Dept. See the "Service Related Accessories" section of the 90-series mobiles pricepages for more information.

³ Please specify exact length at 1ft. increments when ordering.

⁴ 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 lengths.

⁵ This cable substitutes for the ff: DC Cables:

---> KCT-23M2 75/110W Dash Mount DC Cable: 4 Conductor: 2x10 ft. positive, 2x10 ft. negative

---> KCT-23M4 75/110W Remote Mount DC Cable: 4 Conductor: 2x23 ft. positive, 2x23 ft. negative

⁶ The firmware 094F gives the 90-series mobile the ability to generate a DTMF tone from the * and # keys without pushing the PTT button.

90-Series Mobile Radios Configuration Sets - Single Band

(see page 2 for more information)

DASH MOUNT / MEDIUM POWER

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
VHF HIGH BAND			
TK-790K	148-174 MHz, 45W, Basic front, 160 Channels (pre-packaged TK-790BK 9BMD1)	\$607.40	\$1,013.00
Note: Pre-packaged & fully assembled: basic front, medium power, dash mount mobiles. No need to use the assembly labor code L-846. If these versions are out of stock please order: "TK-790BK 9BMD1" and an L-846.			
TK-790BK 9BMD1	148-174 MHz, 45W, Basic front, 160 Channels	607.40	1,013.00
TK-790BK2 9BMD1	136-156 MHz, 45W, Basic front, 160 Channels	607.40	1,013.00
TK-790BK 9FMD1	148-174 MHz, 45W, Full front, 160 Channels	690.40	1,152.00
TK-790BK2 9FMD1	136-156 MHz, 45W, Full front, 160 Channels	690.40	1,152.00
UHF			
TK-890K	450-490 MHz, 40W, Basic front, 160 Chan. (prepackaged TK-890BK 9BMD1)	637.40	1,063.00
Note: Pre-packaged & fully assembled: basic front, medium power, dash mount mobiles. No need to use the assembly labor code L-846. If these versions are out of stock please order: "TK-890BK 9BMD1" and an L-846.			
TK-890BK 9BMD1	450-490 MHz, 40W, Basic front, 160 Channels	637.40	1,063.00
TK-890BK2 9BMD1	480-512 MHz, 40W, Basic front, 160 Channels	637.40	1,063.00
TK-890BK3 9BMD1	403-430 MHz, 40W, Basic front, 160 Channels	637.40	1,063.00
TK-890BK 9FMD1	450-490 MHz, 40W, Full front, 160 Alpha/Num Channels	720.40	1,202.00
TK-890BK2 9FMD1	480-512 MHz, 40W, Full front, 160 Alpha/Num Channels	720.40	1,202.00
TK-890BK3 9FMD1	403-430 MHz, 40W, Full front, 160 Alpha/Num Channels	720.40	1,202.00
Note: Order an L-846 for each model above if factory packaging is required (except the TK-790K & TK-890K pre-packaged models).			

DASH MOUNT / HIGH POWER

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
VHF LOW BAND			
TK-690HBK 9BHD1	29.7-37.0 MHz, 110W, Basic front, 160 Channels	798.60	1,331.00
TK-690HBK2 9BHD1	35.0-43.0 MHz, 110W, Basic front, 160 Channels	798.60	1,331.00
TK-690HBK3 9BHD1	40.0-50.0 MHz, 110W, Basic front, 160 Channels	798.60	1,331.00
TK-690HBK 9FHD1	29.7-37.0 MHz, 110W, Full front, 160 Alpha/Num Channels	881.60	1,470.00
TK-690HBK2 9FHD1	35.0-43.0 MHz, 110W, Full front, 160 Alpha/Num Channels	881.60	1,470.00
TK-690HBK3 9FHD1	40.0-50.0 MHz, 110W, Full front, 160 Alpha/Num Channels	881.60	1,470.00
VHF HIGH BAND			
TK-790HBK 9BHD1	148-174 MHz, 110W, Basic front, 160 Channels	894.60	1,491.00
TK-790HBK 9FHD1	148-174 MHz, 110W, Full front, 160 Alpha/Num Channels	977.60	1,630.00
UHF			
TK-890HBK 9BHD1	450-480 MHz, 100/75W, Basic front, 160 Channels	924.60	1,541.00
TK-890HBK 9FHD1	450-480 MHz, 100/75W, Full front, 160 Alpha/Num Channels	1,007.60	1,680.00
Note: Order an L-846 for each model above if factory packaging is required.			
Warning: High power decks may not be suitable for some dash mount installations. Please account for size, weight & heat dissipation: Size-7.05" Wx2.36"Hx 12.97"D, Weight-8.36lbs			

90-Series Mobile Radios Configuration Sets - Single Band Cont'd...

(see page 2 for more information)

SINGLE HEAD REMOTE / MEDIUM POWER

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
VHF HIGH BAND			
TK-790BK 9BMSH1	148-174 MHz, 45W, Basic front, 160 Channels	\$741.20	\$1,236.00
TK-790BK2 9BMSH1	136-156 MHz, 45W, Basic front, 160 Channels	741.20	1,236.00
TK-790BK 9FMSH1	148-174 MHz, 45W, Full front, 160 Alpha/Num Channels	824.20	1,375.00
TK-790BK2 9FMSH1	136-156 MHz, 45W, Full front, 160 Channels	824.20	1,375.00
UHF			
TK-890BK 9BMSH1	450-490 MHz, 40W, Basic front, 160 Channels	771.20	1,286.00
TK-890BK2 9BMSH1	480-512 MHz, 40W, Basic front, 160 Channels	771.20	1,286.00
TK-890BK3 9BMSH1	403-430 MHz, 40W, Basic front, 160 Channels	771.20	1,286.00
TK-890BK 9FMSH1	450-490 MHz, 40W, Full front, 160 Alpha/Num Channels	854.20	1,425.00
TK-890BK2 9FMSH1	480-512 MHz, 40W, Full front, 160 Alpha/Num Channels	854.20	1,425.00
TK-890BK3 9FMSH1	403-430 MHz, 40W, Full front, 160 Alpha/Num Channels	854.20	1,425.00

Note: Order an L-846 for each model above if factory packaging is required.

SINGLE HEAD REMOTE / HIGH POWER

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
VHF LOW BAND			
TK-690HBK 9BHSH1	29.7-37.0 MHz, 110W, Basic front, 160 Channels	934.20	1,557.00
TK-690HBK2 9BHSH1	35.0-43.0 MHz, 110W, Basic front, 160 Channels	934.20	1,557.00
TK-690HBK3 9BHSH1	40.0-50.0 MHz, 110W, Basic front, 160 Channels	934.20	1,557.00
TK-690HBK 9FHSH1	29.7-37.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,017.20	1,696.00
TK-690HBK2 9FHSH1	35.0-43.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,017.20	1,696.00
TK-690HBK3 9FHSH1	40.0-50.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,017.20	1,696.00
VHF HIGH BAND			
TK-790HBK 9BHSH1	148-174 MHz, 110W, Basic front, 160 Channels	1,030.20	1,717.00
TK-790HBK 9FHSH1	148-174 MHz, 110W, Full front, 160 Alpha/Num Channels	1,113.20	1,856.00
UHF			
TK-890HBK 9BHSH1	450-480 MHz, 100/75W, Basic front, 160 Channels	1,060.20	1,767.00
TK-890HBK 9FHSH1	450-480 MHz, 100/75W, Full front, 160 Alpha/Num Channels	1,143.20	1,906.00

Note: Order an L-846 for each model above if factory packaging is required.

90-Series Mobile Radios Configuration Sets - Single Band Cont'd...

(see page 2 for more information)

DUAL HEAD REMOTE / MEDIUM POWER

Model	Description	Dealer	List
VHF HIGH BAND			
TK-790BK 9BMDH1	148-174 MHz, 45W, Basic fronts, 160 Channels	\$992.60	\$1,655.00
TK-790BK 9FMDH1	148-174 MHz, 45W, Full fronts, 160 Alpha/Num Channels	1,158.60	1,933.00
UHF			
TK-890BK 9BMDH1	450-490 MHz, 40W, Basic fronts, 160 Channels	1,022.60	1,705.00
TK-890BK2 9BMDH1	480-512 MHz, 40W, Basic fronts, 160 Channels	1,022.60	1,705.00
TK-890BK3 9BMDH1	403-430 MHz, 40W, Basic fronts, 160 Channels	1,022.60	1,705.00
TK-890BK 9FMDH1	450-490 MHz, 40W, Full fronts, 160 Alpha/Num Channels	1,188.60	1,983.00
TK-890BK2 9FMDH1	480-512 MHz, 40W, Full fronts, 160 Alpha/Num Channels	1,188.60	1,983.00
TK-890BK3 9FMDH1	403-430 MHz, 40W, Full fronts, 160 Alpha/Num Channels	1,188.60	1,983.00

Note: Order an L-847 for each model above if factory packaging is required.

DUAL HEAD REMOTE / HIGH POWER

Model	Description	Dealer	List
VHF LOW BAND			
TK-690HBK 9BHDH1	29.7-37.0 MHz, 110W, Basic fronts, 160 Channels	1,185.60	1,976.00
TK-690HBK2 9BHDH1	35.0-43.0 MHz, 110W, Basic fronts, 160 Channels	1,185.60	1,976.00
TK-690HBK3 9BHDH1	40.0-50.0 MHz, 110W, Basic fronts, 160 Channels	1,185.60	1,976.00
TK-690HBK 9FHDH1	29.7-37.0 MHz, 110W, Full fronts, 160 Alpha/Num Channels	1,351.60	2,254.00
TK-690HBK2 9FHDH1	35.0-43.0 MHz, 110W, Full fronts, 160 Alpha/Num Channels	1,351.60	2,254.00
TK-690HBK3 9FHDH1	40.0-50.0 MHz, 110W, Full fronts, 160 Alpha/Num Channels	1,351.60	2,254.00
VHF HIGH BAND			
TK-790HBK 9BHDH1	148-174 MHz, 110W, Basic fronts, 160 Channels	1,281.60	2,136.00
TK-790HBK 9FHDH1	148-174 MHz, 110W, Full fronts, 160 Alpha/Num Channel	1,447.60	2,414.00
UHF			
TK-890HBK 9BHDH1	450-480 MHz, 100/75W, Basic fronts, 160 Channels	1,311.60	2,186.00
TK-890HBK 9FHDH1	450-480 MHz, 100/75W, Full fronts, 160 Alpha/Num Channels	1,477.60	2,464.00

Note: Order an L-847 for each model above if factory packaging is required.

90-Series Mobile Radios Configuration Sets - Dual Band Remote Mounts

Dual Band Mobiles must be ordered in components. Follow the three (3) steps listed below:

(1) [Choose the RF DECKS]: RF Decks can both be the same power or can be mixed (i.e. medium & high power).

Adhere to the compatibility chart below:			
	TK-690	TK-790	TK-890
TK-690	X	O	O
TK-790	O	X	O
TK-890	O	O	X

O = Compatible
X = Not Compatible

MEDIUM POWER DECKS

Model	Description	Dealer	List
TK-790BK	148-174 MHz, 45W, 160 Channels	\$438.00	\$730.00
TK-790BK2	136-156 MHz, 45W, 160 Channels	438.00	730.00
TK-890BK	450-490 MHz, 40W, 160 Channels	468.00	780.00
TK-890BK2	480-512 MHz, 40W, 160 Channels	468.00	780.00
TK-890BK3	403-430 MHz, 40W, 160 Channels	468.00	780.00

Note: The TK-790BK2 band split, 136-156 MHz is for government/export only.

HIGH POWER DECKS

Model	Description	Dealer	List
TK-690HBK	29.7-37.0 MHz, 110W, 160 Channels	612.00	1,020.00
TK-690HBK2	35.0-43.0 MHz, 110W, 160 Channels	612.00	1,020.00
TK-690HBK3	40.0-50.0 MHz, 110W, 160 Channels	612.00	1,020.00
TK-790HBK	148-174 MHz, 110W, 160 Channels	708.00	1,180.00
TK-890HBK	450-480 MHz, 100/75W, 160 Channels	738.00	1,230.00

(2) [Choose the Accessory Configuration Set]:

- a. Choose one set to match the front panel type
B = Basic
F = Full Featured

- b. And, each RF deck power range
MM = Medium/Medium Power
HH = High/High Power
HM = High/Medium Power
DB = Dual Band

Model	Description	Dealer	List
9BHHDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	435.00	725.00
9BHMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	416.00	694.00
9BMMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	397.00	663.00
9FHHDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	518.00	864.00
9FHMDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	499.00	833.00
9FMMDB	KCH-11 KRK-7DB, KMC-27, KES-5, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	480.00	802.00

(3) [Optional]: Include the L-848 assembly labor code if factory packaging is required.

EXAMPLE ORDER

TK-790BK	RF Deck #1	438.00	730.00
TK-890BK2	RF Deck #2	468.00	780.00
9FMMDB	Accessory Set (90-Series, Full Feature Front, Medium/Medium Power, Dual Band)	480.00	802.00
L-848	Labor Code	20.00	34.00
Total		1,406.00	2,346.00

90-Series Mobile Radios Configuration Sets - Dual Band Dual Head

Dual Band Dual Head Mobiles must be ordered in components. Follow the three (3) steps listed below:

(1) [Choose the RF DECKS]: RF Decks can both be the same power or can be mixed (i.e. medium & high power).

	Adhere to the compatibility chart below:		
	TK-690	TK-790	TK-890
TK-690	X	O	O
TK-790	O	X	O
TK-890	O	O	X

O = Compatible
X = Not Compatible

MEDIUM POWER DECKS

Model	Description	Dealer	List
TK-790BK	148-174 MHz, 45W, 160 Channels	\$438.00	\$730.00
TK-790BK2	136-156 MHz, 45W, 160 Channels	438.00	730.00
TK-890BK	450-490 MHz, 40W, 160 Channels	468.00	780.00
TK-890BK2	480-512 MHz, 40W, 160 Channels	468.00	780.00
TK-890BK3	403-430 MHz, 40W, 160 Channels	468.00	780.00

Note: The TK-790BK2 band split, 136-156 MHz is for government/export only.

HIGH POWER DECKS

Model	Description	Dealer	List
TK-690HBK	29.7-37.0 MHz, 110W, 32 Channels	612.00	1,020.00
TK-690HBK2	35.0-43.0 MHz, 110W, 32 Channels	612.00	1,020.00
TK-690HBK3	40.0-50.0 MHz, 110W, 32 Channels	612.00	1,020.00
TK-790HBK	148-174 MHz, 110W, 160 Channels	708.00	1,180.00
TK-890HBK	450-480 MHz, 100/75W, 160 Channels	738.00	1,230.00

(2) [Choose the Accessory Configuration Set]:

- a. Choose one set to match the front panel type
BB = Basic/Basic
FF = Full/Full Featured

b. And, each RF deck power range

- MM = Medium/Medium Power
HH = High/High Power
HM = High/Medium Power

Model	Description	Dealer	List
9BBHH	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2)	638.40	1,064.00
9BBMM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2)	600.40	1,002.00
9BBHM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9	619.40	1,033.00
9FFHH	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2), KES-5(x2)	804.40	1,342.00
9FFMM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2), KES-5(x2)	766.40	1,280.00
9FFHM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9, KES-5(x2)	785.40	1,311.00

(3) [Optional]: Include the L-849 assembly labor code if factory packaging is required.

EXAMPLE ORDER

TK-790BK	RF Deck #1	438.00	730.00
TK-890BK2	RF Deck #2	468.00	780.00
9FFMM	Accessory Set (9 = 90-Series, FF = Full/Full Front, MM = Medium/Medium Power)	766.40	1,280.00
L-849	Labor Code	30.00	50.00
Total		1,702.40	2,840.00

IMPORTANT TK-890 INFORMATION**TK-890 Receiver Channel Spread (20MHz)**

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

TK-890HBK Rated Transmit Power (100W / 75W)

The transmit power output is rated at 100 W from 450-470 MHz and 75W from 470-480 MHz. Radio power level automatically adjusts within these band ranges.

Model	RF Deck Freq. Range	RX Ch. Spread	TX Ch. Spread	Remarks
TK-890BK/K	450-490	20 MHz	40 MHz	
Factory default		450-470	450-490	
Order L-850, specify:		460-480	450-490	Red Dot Indicator *
Order L-850, specify:		470-490	450-490	Yellow Dot Indicator *
TK-890BK2	480-512	20 MHz	40 MHz	
Factory default		480-500	480-512	
Order L-850, specify:		492-512	480-512	Red Dot Indicator *
TK-890BK3	403-430	20 MHz	40 MHz	
Factory default		410-430	403-430	
Order L-850, specify:		403-423	403-430	Green Dot Indicator *
TK-890HBK	450-480	20 MHz	30 MHz	100 W: 450-470
Factory default		450-470	450-480	75 W: 470-480
Order L-850, specify:		460-480	450-480	Red Dot Indicator *

***Note:** If Kenwood changes the factory default, a colored label as denoted on the "Remarks" column, will be placed on the outside carton and on the radio itself to denote the frequency range to which it was tuned.

Land-Mobile Price List

TK-760G/860G Compact Multi-Mode FM Mobiles

Model	Description	Dealer	List
VHF <i>Includes: KMC-27B mic., DC power cable, mounting bracket</i>			
TK-760GK	148-174 MHz 25W, 128 CH	\$283.00	\$472.00
TK-760GK2	136-162 MHz 25W, 128 CH	283.00	472.00
TK-760HGK	148-174 MHz 50W, 128 CH	339.00	565.00
TK-760HGK2	136-162 MHz 50W, 128 CH	339.00	565.00
UHF <i>Includes: KMC-27B mic., DC power cable, mounting bracket</i>			
TK-860GK	450-490 MHz 25W, 128 CH	301.00	502.00
TK-860GK2	485-512 MHz 25W, 128 CH	301.00	502.00
TK-860GK3	400-430 MHz 25W, 128 CH	301.00	502.00
TK-860HGK	450-490 MHz 40W, 128 CH	359.00	598.00
TK-860HGK2	485-512 MHz 40W, 128 CH	359.00	598.00
TK-860HGK3	400-430 MHz 40W, 128 CH	359.00	598.00

TK-760G/860G FEATURES:

128 Channel Capacity
 Flexible Channel Groups
 Conventional
 Scan with Priority
 Multi-group/Single-group Scan
 8 Character Alpha CH. Display (13 segment)
 Lighted LCD Display
 Power On LCD Text Message
 10 Programmable Back-lit PF Keys
 DTMF Store & Send Dialing
 Operator Selectable QT/DQT (OST)
 2 Tone Encode (10 code pairs selectable)
 Front Panel Self-Programming Mode
 Panel Test & Tuning Modes
 12.5 / 25 kHz Channel Spacing (per channel)
 High/Low Power per Channel
 Companded Audio Per Channel (Narrow ch. only)
 Built-in 4 W Speaker
 2 Color LED Indicator
 Inverting Front Panel
 Home Channel Function
 Key Lock Function
 QT/DQT Encode/Decode
 DTMF Decode & DTMF DBD
 2-Tone Decode & 2-Tone Encode
 DTMF ANI Encode
 DTMF Auto Dial Memory (9 memories)
 Auto-Redial (PF Key Function)
 Busy Channel Lockout
 Talk Around & Time Out Timer
 Minimum Volume Setting
 Power/Control/Warn Tone On/Off
 Tone Volume Setting
 Off Hook Decode (2-Tone/DTMF Decode)
 Off Hook Horn Alert
 PC Programming & Tuning
 Clone Enable/Disable
 Mobile-Portable Cloning



Flash ROM Memory
 Embedded Message
 MIL-STD 810 C, D & E
 Horn Alert Output (req. KAP-1, KCT-19, & wire)
 Ignition-Sense Power On (req. KCT-18 & KCT-19)
 Ignition-Sense Horn Alert Disable (req. KAP-1, KCT-19, KCT-18, & wire to horn relay)
 Public Address Output Option (req. KAP-1, KCT-19 & Speaker)
 AUX Manual Relay Output Option (req. KAP-1, KCT-19 & wire to horn relay)
 Foot Switch Input (PF input) (req. KCT-19 & switch input to ground)
 KES-5 External Speaker Option (req. KCT-19)
 KES-3 Compact External Speaker Opt. (plugs into mobile 3.5mm phono-jack)

Accessories for the TK-760G/860G Series Radios

Model	Description	Dealer	List
AVL UNITS			
Note: The 60G Series Radios have programmable data channel feature for steering the mobile to dedicated data channel per radio. For more information on AVL Units, please refer to the AVL pricepages.			
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	315.00	525.00
KGP-2B	Base Modem Unit	135.00	225.00
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	12.60	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00
CABLES			
KCT-18	Ignition Sense Cable (Requires KCT-19)	7.80	13.00
KCT-19	Accessory Interface Cable (i.e., data, horn alert)	12.60	21.00
INSTALLATION ACCESSORIES			
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	24.00	39.50
KMB-10	Key lock adapter for the mobile bracket (KMB-6)	15.00	25.00
ST-865KW4 ¹	SmarTrunk II™ Logic Board (Requires ST-909) (for 60G/70G portables & 62G/60G mobiles only)	69.00	140.00
ST-909	Installation cable for ST-865KW4 (for 62G/60G-series mobiles only) <small>SmarTrunk II™ is a registered trademark of SmarTrunk Systems Inc.</small>	15.00	30.00
MICROPHONE AND SPEAKERS			
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	25.20	42.00
KES-5	External Speaker, 40W max input, black case (60G-Series mobiles require a KCT-19 option)	35.00	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) (For 60G/62G Only)	59.40	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied w/ radio (for 60G/62G Mobile Radio Only)	24.00	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF (for 60G/62G Mobile Radio Only)	93.00	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) (for 60G/62G Mobile Radio Only)	49.20	82.00
MISCELLANEOUS ITEMS			
KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	24.00	40.00
KPS-10A	DC Power Supply	125.00	209.00
KMB-20	Mobile cabinet for KPS-14/15 Power Supplies (mobile mounting hardware included) For 60/60G/60H/60HG/62/62G/60H/60HG/63G/80-series mobiles	15.00	25.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) *Compatible with medium & high power compact mobiles only: 60/60G/60H/60HG/62/62G/60H/60HG/80-series mobiles	99.00	167.00
SERVICE RELATED ACCESSORIES			
KCT-20	KGP-1A & 1B Radio Interface Cable - Intent to Discontinue. Limited quantity available.	33.00	55.00
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	12.60	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles) for 60G/62G/80 Series Mobiles	109.00	N/A
KPG-56D	Programming Software for 60G/70G Portables & 60G/62G Mobiles Models Only	39.00	N/A
KPG-61ED ²	Programming Software for KGP-1A/1B Parameters - Intent to Discontinue. Limited quantity avail.	15.00	25.00
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00

Installation / Tuning Charges for the TK-760G/860G Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-136	Tune TK-760/760G/860/860G	\$12.00	\$20.00
L-888 ²	Install KCT-20 in 60G/62G Series Mobiles for KGP-1A/1B	12.60	21.00
L-895	Install KCT-19 in 60G/62G Series Mobiles for Data/MDT mode	10.00	17.00
L-896	Install KCT-19 in 60G/62G Series Mobiles for SmarTrunk Omni mode	10.00	17.00
L-897	Install KCT-19 in 60G/62G Series Mobiles for Emergency Foot Sw. Input	10.00	17.00
L-890	Log KGP-1A Serial Number (s) & KGP-1B Serial Number (For DigiMap DMTrack – AVL Products)	N/C	N/C
L-908	Install ST-865KW4/ST-909 (in 60G mobile)	12.00	20.00
L-930	Install KCT-35 in 60G/62G/63G Series Mobiles for KDS-100/KGP-2A/2B Interface (order KCT-35 separately)	12.60	21.00

¹ ST-865KW4/ST-909 - compatible with production lots starting Feb. 2000; Serial number 111xxxxx or higher (carton stamped "D"). These are not replacements for the ST-865KW2/ST-908 SmarTrunk II products for the 60/62-Series mobiles and 60/70-Series portables. For detailed information on SmarTrunk II- Kenwood radio features and logic controller information visit SmarTrunk Inc.'s web site for informative downloads such as the "ST-865KW4 SmarTrunk II Installation and Operation Manual for Kenwood "G" Series Transceivers" and the SmarTrunk II Digital Trunking System - System Overview manual.

² See AVL pricepages for further details.

Land-Mobile Price List

TK-762G/862G
Compact Multi-Mode FM Mobiles

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
VHF <i>Includes: KMC-27B mic., DC power cable, mounting bracket (G-Series)</i>			
TK-762GK	148-174 MHz 25W, 8 CH	\$245.00	\$409.00
TK-762GK2	136-162 MHz 25W, 8 CH	245.00	409.00
TK-762HGK	148-174 MHz 50W, 8 CH	270.00	450.00
TK-762HGK2	136-162 MHz 50W, 8 CH	270.00	450.00
UHF <i>Includes: KMC-27B mic., DC power cable, mounting bracket (G-Series)</i>			
TK-862GK	450-490 MHz 25W, 8 CH	275.00	459.00
TK-862GK2	485-512 MHz 25W, 8 CH	275.00	459.00
TK-862HGK	450-490 MHz 40W, 8 CH	333.00	555.00

TK-762G/862G FEATURES:

8 Channel Capacity
Conventional (no scan)
1 Digit Numeric Channel Display
Lighted LCD Display
8 Programmable Back-lit PF Keys
2 Tone Encode (1 code pair)
12.5 / 25 kHz Channel Spacing (per channel)
High/Low Power per Channel
Companded Audio Per Channel (narrow ch. only)
Built-in 4 W Speaker
2 Color LED Indicator
Inverting Front Panel
Home Channel Function
Key Lock Function
QT/DQT Encode/Decode
DTMF Decode & DTMF DBD
2-Tone Decode & 2-Tone Encode
DTMF ANI Encode
DTMF Auto Dial Memory (9 memories)
Auto-Redial (PF Key Function)
Busy Channel Lockout
Talk Around & Time Out Timer
Minimum Volume Setting
Power/Control/Warn Tone On/Off
Tone Volume Setting



Off Hook Decode (2-Tone/DTMF Decode)
Off Hook Horn Alert
PC Programming & Tuning
Clone Enable/Disable
Mobile-Portable Cloning
Flash ROM Memory
Embedded Message
MIL-STD 810 C, D & E
Horn Alert Output (req. KAP-1, KCT-19, & wire)
Ignition-Sense Power On (req. KCT-18 & KCT-19)
Ignition-Sense Horn Alert Disable (req. KAP-1, KCT-19, KCT-18, & wire to horn relay)
Public Address Output Option (req. KAP-1, KCT-19 & Speaker)
AUX Manual Relay Output Option (req. KAP-1, KCT-19 & wire to horn relay)
Foot Switch Input (PF input) (req. KCT-19 & switch input to ground)
· KES-4 External Speaker Option (req. KCT-19)

Accessories for the TK-762G/862G Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
AVL UNITS			
Note: The 60G/62G Series Radios have programmable data channel feature for steering the mobile to dedicated data channel per radio. For more information on AVL Units, please refer to the AVL pricepages.			
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	315.00	525.00
KGP-2B	Base Modem Unit	135.00	225.00
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	12.60	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00
CABLES			
KCT-18	Ignition Sense Cable (Requires KCT-19)	7.80	13.00
KCT-19	Accessory Interface Cable (i.e., data, horn alert)	12.60	21.00
INSTALLATION ACCESSORIES			
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	24.00	39.50
KMB-10	Key lock adapter for the KMB-6	15.00	25.00
KMB-2B	Control station mounting case for Power Supply	41.40	69.00
ST-865KW4 ¹	SmarTrunk II™ Logic Board (Requires ST-909) (for 60G/70G portables & 62G/60G mobiles)	69.00	115.00
	<small>SmarTrunk II™ is a registered trademark of SmarTrunk Systems Inc.</small>		
ST-909	Installation cable for ST-865KW4 (for 62G/60G-series mobiles only)	19.20	32.00
MICROPHONE AND SPEAKERS			
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	25.20	42.00
KES-5	External Speaker, 40W max input, black case (62G-Series mobiles require a KCT-19 option)	35.00	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) (For 60G/62G Only)	59.40	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied w/ radio (for 60G/62G Mobile Radio Only)	24.00	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF (for 60G/62G Mobile Radio Only)	93.00	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) (for 60G/62G Mobile Radio Only)	49.20	82.00
MISCELLANEOUS ITEMS			
KAP-1	Horn Alert/P.A. Relay Option (Requires KCT-19)	24.00	40.00
KMB-20	Mobile cabinet for KPS-14/15 Power Supplies (mobile mounting hardware included) For 60/60G/60H/60HG/62/62G/60H/60HG/80-series mobiles	15.00	25.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) *Compatible with medium & high power compact mobiles only: 60/60G/60H/60HG/62/62G/60H/60HG/80-series mobiles	99.00	167.00
SERVICE RELATED ACCESSORIES			
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	12.60	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles) for 60G/62G/80 Series Mobiles	109.00	N/A
KPG-56D	Programming Software for 60G/70G Portables & 60G/62G Series Mobiles Models Only	39.00	N/A
KPG-61ED ²	Programming Software for KGP-1A/1B Parameters - Intent to Discontinue. Limited quantity avail.	15.00	25.00
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00

Installation / Tuning Charges for the TK-762G/862G Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-136	Tune TK-762/762G/862/862G	\$12.00	\$20.00
L-888 ²	Install KCT-20 in 60G/62G Series Mobiles for KGP-1A/1B	12.60	21.00
L-895	Install KCT-19 in 60G/62G Series Mobiles for Data/MDT mode	10.00	17.00
L-896	Install KCT-19 in 60G/62G Series Mobiles for SmarTrunk Omni mode	10.00	17.00
L-897	Install KCT-19 in 60G/62G Series Mobiles for Emergency Foot Sw. Input	10.00	17.00
L-890	Log KGP-1A Serial Number (s) & KGP-1B Serial Number (For DigiMap DMTrack – AVL Products)	N/C	N/C
L-908	Install ST-865KW4/ST-909 (in 60G mobile)	12.00	20.00
L-930	Install KCT-35 in 60G/62G/63G Series Mobiles for KDS-100/KGP-2A/2B Interface (order KCT-35 separately)	12.60	21.00

¹ ST-865KW4/ST-909 - compatible with production lots starting Feb. 2000; Serial number 111xxxxx or higher (carton stamped "D"). These are not replacements for the ST-865KW2/ST-908 SmarTrunk II products for the 60/62-Series mobiles and 60/70-Series portables. For detailed information on SmarTrunk II- Kenwood radio features and logic controller information visit SmarTrunk Inc.'s web site for informative downloads such as the "ST-865KW4 SmarTrunk II Installation and Operation Manual for Kenwood "G" Series Transceivers" and the SmarTrunk II Digital Trunking System - System Overview manual.

² See AVL pricepages for further details.

Land-Mobile Price List

TK-780/880

VHF / UHF Trunking / Conventional Mobile Radios

Model	Description	Dealer	List
VHF	Includes: KMC-27B Mic., DC Cable, Mounting bracket		
TK-780K	146-174 MHz 25W, LTR-32 Systems, CONV-250 CH.	\$340.00	\$567.00
TK-780K2	136-162 MHz 25W, LTR-32 Systems, CONV-250 CH.	340.00	567.00
TK-780HK	146-174 MHz 45W, LTR-32 Systems, CONV-250 CH.	410.00	684.00
TK-780HK2	136-162 MHz 45W, LTR-32 Systems, CONV-250 CH.	410.00	684.00
UHF	Includes: KMC-27B Mic., DC Cable, Mounting bracket		
TK-880K	450-490 MHz 25W, LTR-32 Systems, CONV-250 CH.	340.00	567.00
TK-880K2	485-512 MHz 25W, LTR-32 Systems, CONV-250 CH.	340.00	567.00
TK-880K3	400-430 MHz 25W, LTR-32 Systems, CONV-250 CH.	340.00	567.00
TK-880HK	450-490 MHz 40W, LTR-32 Systems, CONV-250 CH.	410.00	684.00
TK-880HK2	485-512 MHz 40W, LTR-32 Systems, CONV-250 CH.	410.00	684.00
TK-880HK3	400-430 MHz 40W, LTR-32 Systems, CONV-250 CH.	410.00	684.00

TK-780/880 FEATURES:

GENERAL FEATURES:

25W VHF & UHF
 45W VHF & 40W UHF (H Models)
 Wide Band Frequency Ranges
 12.5 / 25 kHz Channel Spacing
 Programmable Power Per Channel
 Companded Audio Per Channel
 (wide & narrow*)
 4 W Speaker Audio Power
 Inverting Front Panel (speaker position)
 10 Character Alphanumeric Display
 3 Numeric Character Sub-Display
 Dot Matrix Backlit LCD
 LCD Operational Icons
 Two Color Tri-State LED Indicator
 4 PF Keys (lighted)
 Shift Key Function (req. DTMF mic)
 FleetSync
 Encryption/Scrambler Board Support
 ANI Board Support
 Emergency Type (FS, DTMF, ANI Brd.)*
 Emergency Calling Feature
 DTMF Decode Selective Call
 DTMF Deadbeat Disable
 DTMF PTT ID & DTMF Emergency ID*
 Alert with Transpond (2-Tone, DTMF)*
 PTT ID Side-Tone (ANI Boards)*
 PTT ID TA Inhibit*
 Call Alert Tone: Mom or Continuous
 (2-Tone, DTMF & FleetSync)*
 Auto-Dial Memory (32 numbers)
 Horn Alert (Programmable Output)
 Public Address
 Single COM Port: FS & GPS serial data*
 - Programmable Function DTMF Mics
 - Data Port I/O's (KCT-19)

FleetSync COM 1 & 2 (KCT-31)
 Accessory Connector Option (KCT-19)
 Ignition Sense On/Off
 Timed Power Off (8 hr.)
 Inhibit PTT ID in TA
 PTT Release Tone
 Minimum Volume
 Control Tones On/Off
 Power On Text
 Embedded Message (64 Char.)
 Data Password ("Anti-piracy")
 Radio Password (Radio Lock)
 Clone Capability (enable/disable)
 Front Panel Self Programming & Tuning
 PC Programming & Tuning (DOS)
 Flash ROM Firmware
 KES-3 External Speaker (compact)
 KES-5 External Speaker (req. KCT-19)
 MIL-Spec/Noise-Cancel Mic Options
 KDS-100 Compatible (req. KCT-34/36)
 KGP-2A/2B Compatible (req. KCT-34/36)
 MIL810 C, D & E (Dust, Vibration Shock)

CONVENTIONAL MODE

250 CH (aggregate max.)
 Single Priority Scan
 Single/Multi-Group Scan
 Scan Revert Channel Display
 Scan Delete/Add
 Nuisance Delete
 QT/DQT Encode & Decode
 Operator Selectable Tone (16 OST)
 2-Tone Decode (A, B, C, A-B, A-C, C-B; 2
 decode pairs)*
 BCL, BCL Override, TOT & TA

TRUNKED MODE

32 Systems (max.)
 Trunked LTR & Conventional Systems

250 Group IDs (aggregate max.)
 Single Priority Scan (within any Conv. System only)
 LTR Talk Around / Scan Revert Group Display
 System Scan & Group Scan / Auto System Search

FLEETSYNC

PTT ID (Digital ANI; 100 ID List capacity*)
 Caller ID Display (per CH; BOT only)*
 Caller ID Stack (last 3 calls)*
 Status Messaging (50 Msg. List capacity*)
 70 Custom Dispatch Messages
 9 Reserved Special Use Messages
 ST# 98 - Man Down Emergency (portables)*
 ST# 99- Emergency Status
 ST# 88- Emergency Mode Off*
 ST# 89- Horn Alert Request*
 ST# 90- Stun radio (No TX)
 ST# 91- Stun radio (No TX / No RX audio)
 ST# 92- Turn off Stun
 ST# 93- ACK stun is ON
 ST# 94- ACK stun is OFF
 ST# 80-87, 95-97 (Reserved for future use)

Selective Call
 Short Text Messages** (stored/display)
 Long Text Message** (req. KDS-100, KCT-34/36)
 PC Serial Control Interface** (req. KCT-31)
 FS GPS Data** (req. aftermarket GPS/modification)
 PC Serial Interface**

* Features added in Ver. 2 radios

** Fleetsync Enhanced Option required (included as of 10/1/02)

INCLUDED ITEMS:

KMC-27B Standard Microphone
 DC Cable
 Mounting Bracket
☐ Instruction Manual

Accessories for the TK-780/880 Series Radios

Model	Description	Dealer	List
MOBILE INSTALLATION ACCESSORIES			
KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	24.00	40.00
KCT-18	Ignition sense cable (requires KCT-19)	7.80	13.00
KCT-19	Accessory connector cable (for ignition sense, horn alert, KSP- spkrs, & Data Port)	12.60	21.00
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	12.60	21.00
KCT-36	KCT-34/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	24.00	39.50
KMB-6	Mobile mounting bracket (same as supplied)	7.00	12.00
KMB-10	Key lock adapter (for both KMB-4 & 6)	15.00	25.00

CONTROL STATION INSTALLATION ACCESSORIES

KCT-31	PC Serial Interface cable (80-Series mobile-to-PC connection for FleetSync)	42.00	70.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00
KMB-20	Control Station Mounting Case for KPS-14/15 Power Supplies (mobile mounting hardware included) For 60/60G/60H/60HG/62H/62HG/60H/60HG/80-series mobiles	15.00	25.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) *Compatible with medium & high power compact mobiles only: 60/60G/60H/60HG/62H/62HG/60H/60HG/80/150-Series mobiles; See KMB-20 mounting case	99.00	167.00
KAS-2SFD	FleetDispatchPRO: FleetSync messaging dispatch software for PC (Windows 98/Me/NT/2000/XP compatible) Supports the following FleetSync features: decodes PTT ID, decodes Emergency, encode/decodes Status Messages , encodes Short & Long Text Messages.	299.00	498.00

FleetDispatchPRO Base/Control Station radio Requirements:

80-Series Mobile Only (Version 2 radio or later)

KMC-9C Base station Desktop Microphone recommended

FleetSync Enhanced Enabled (already factory installed except for 800/900 MHz products)

Installed KCT-31 PC Serial Interface Cable (see mobile price pages for details)

FleetDispatchPRO Computer Requirements:

Windows 98 or better (FleetDispatchPRO is Windows 98/Me/NT/2000/XP OS compatible)

Pentium II 450 MHz or higher processor; Minimum 64 MB RAM

10 MB free hard disk space for installation; additional space for message log

CD ROM Drive / VGA or higher resolution monitor / Mouse

One Serial Port & One Parallel Port (for hardware software security key)

Note: Single PC installation/operation; does not support LAN sharing or operation

ACCESSORY COMPATIBILITY FOR THE 80-SERIES MOBILES

	KCT-18	KCT-19	KAP-1	KCT-31	KCT-34	KCT-35	KCT-36	KDS-100	KGP-2A/2B
KCT-18		X	X (a)	X (b)	X (b)	X (b)	:	X (b)	X (b)
KCT-19	X		X (a)	X (c)	:	:	:	:	:
KAP-1	X (a)	X (a)		X (d)	:	:	:	:	:
KCT-31	X (b)	X (c)	X (c)		:	:	:	:	:
KCT-34	X (b)	:	:	:		:	X	X	X
KCT-35	X (b)	:	:	:	:		X	X	X
KCT-36					X	X		X	X
KDS-100	X (b)	:	:	:	X	X	X		:
KGP-2A/2B	X (b)	:	:	:	X	X	X	:	

Chart Key

X = compatible

X () = compatible, but additional options/modification may be required; some modifications are "Dealer-installed only; refer to Kenwood application notes" (no Kenwood install labor code available).

Blank= Not compatible

Gray= Non-applicable

Remarks

(a) The KAP-1 PA/HA relay board requires a KCT-19 to route the PA & HA outputs external of the mobile.

(b) Installing the option in the left-hand column will require the KCT-18 to be routed under the DC cable grommet, stripped /tinned and soldered directly to the ignition sense input inside the mobile Dealer-installed only; refer to Kenwood application notes.

(c) [80-Series mobile only] This install must share the SB+ and GND connections. The KCT-31 connects to the 80-Series COM1 port only. Dealer-installed only; refer to Kenwood application notes.

(d) [80-Series mobile only] This install must share the SB+ and GND connections. Dealer-installed only; refer to Kenwood application notes. The KAP-1 requires a KCT-19.

Accessories for the TK-780/880 Series Radios

Model	Description	Dealer	List
<u>MICROPHONES AND SPEAKERS</u>			
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	25.20	42.00
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (requires KCT-19)	35.00	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	59.40	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied with radio	24.00	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	93.00	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00

FLEETSYNC MOBILE DATA TERMINAL *See the KDS-100 price pages for detailed information*

KDS-100	FleetSync™ Data Terminal- Includes mounting bracket, mounting hardware and DC Cable Note: 80-Series mobiles require the FleetSync Enhanced option enabled. KCT-34 Radio Interface cable is required. Use a KCT-36 9.8 ft. for an extension cable	357.00	595.00
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	12.60	21.00
KCT-36	KCT-34/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00

AVL UNITS *See the AVL price pages for detailed information*

KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	315.00	525.00
KGP-2B	Base Modem Unit Note: A KGP-2A/2B AVL system requires aftermarket AVL mapping dispatch software -see AVL price pages	135.00	225.00
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	12.60	21.00
KCT-36	KCT-34 (80-Series) & KCT-40 (50-Series) Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00

QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired G-Star (L-901) or MDC-1200 (L-902) ANI format labor code.
 2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
 3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk
- All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).
- a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
 - b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).

Dealers can purchase a QE-2 programmer . Model QPF-2. direct from Cimarron Technologies Call 800-487-7184 www.cimtechcorp.c

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down Important: Kenwood factory Install Only –Order L-901 or L-902	76.80	128.00
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Accessories for the TK-780/880 Series Radios

Model	Description	Dealer	List
<u>SERVICE RELATED ACCESSORIES</u>			
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles) for 60G/62G/80 Series Mobiles	109.00	N/A
KPG-49D ¹	P.C. Programming Software for TK-280/380/480/481/780/880/980/981 V3.00 or higher	39.00	N/A
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00
*****	Call Kenwood Parts at 800-367-7514 to order the following:		
E30-3382-05	Clone cable	\$6.64	\$11.28
J29-0627-13	Mounting bracket for TK-780/880/980/981 --- same as supplied w/ radio	4.14	7.04

Installation / Tuning Charges for the TK-780/880 Series Radios

Model	Description	Dealer	List
L-857	Tune TK-780/880/980/981	15.00	25.00
L-901	Program and install QE-2 MDC1200 Encoder	45.00	75.00
L-902	Program and install QE-2 G-Star® Encoder	45.00	75.00
L-918	Install KCT-31 in 80-Series mobile (order KCT-31 separately)	12.60	21.00
L-929	Install KCT-34 to 80-Series mobile for KGP-2A/2B or KDS-100 interface (order KCT-34 separately)	12.60	21.00

PassPort Options (Kenwood-installed) FOR NEW RADIO ORDERS ONLY

Ordering Instructions

For VHF/UHF models TK-280/780/380/880 new radio orders, the Kenwood-installed PassPort ESN / firmware option is no charge:
Order the PassPort ESN/Firmware option L-938 for each PassPort radio.

Other required items:

- a. KPG-63D Radio Programming Software: the KPG-63D is required to program all PassPort parameters for all PassPort™ enabled radios, the KPG-63D will not program LTR or conventional parameters.
- b. KPG-49D is required only if LTR or conventional systems are to also be programmed in the PassPort radio.

Model	Description	Dealer	List
L-938	Install PassPort™ ESN options and firmware; NO CHARGE for new TK-280/380/780/880 orders Note: Only current 80-Series Version 2.0 production radios ("Ver. 2.0" appears on FCC ID label) are compatible with the PassPort ESN/firmware option. Verison 1.0 radios are not compatible.	0.00	0.00

PassPort™ Radio Programming Software

KPG-63D	PassPort™ Radio Programming Software V2.00 or higher	39.00	65.00
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PassPort Options (Field-installation kits) FOR DEALER / OPERATOR FIELD CONVERSIONS

Ordering Instructions

- Order the ESN key/firmware Labor Code options: L-892, L-893 or L-894; specify model radio(s).
Pre-loaded ESN hardware key(s) with the ordered quantities of ESN's and a PassPort™ radio firmware diskette will be shipped (100 ESN's maximum per hardware key)**Important: Any depleted key previously registered to a technicians computer must be retained to register any new purchased key to the computer; please retain the old key until the new one is received.**
- Other required items:
 - a. KPG-64D: PassPort™ ESN Install Program: the KPG-64D only needs to be ordered one time. It is re-usable for subsequent ESN orders (unless an upgrade is recommended).
 - b. KPG-63D Radio Programming Software: required to program all PassPort parameters for all PassPort™ enabled radios, the KPG-63D will not program LTR or conventional parameters.
 - c. KPG-49D Radio Programming Software: required only if LTR or conventional systems are also to be programmed in the PassPort radio.

Model	Description	Dealer	List
L-892	PassPort™ ESN Options & PassPort™ firmware disk (SPECIFY RADIO MODEL) · 1-24 qty. lot price; Price is per ESN	\$40.80	\$68.00
L-893	PassPort™ ESN Options & PassPort™ firmware disk (SPECIFY RADIO MODEL) · 25-99 qty. lot price; Price is per ESN	35.00	68.00
L-894	PassPort™ ESN Options & PassPort™ firmware disk (SPECIFY RADIO MODEL) · 100 qty lot price; Price is per ESN · Maximum 100 ESN options per hardware key	30.00	68.00

Note: Sales of L-892, 893, 894 are NOT refundable. Purchaser has a 72 hour limit after receipt to report suspected hardware key defects or ESN shortages to Kenwood engineering, Suwannee office 678-474-4700

SRB08698	Hardware Key (Sentinel Super Pro)	50.00	83.33
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NOTES:

- Requires purchase of L-892, 893 or 894
- Sales of L-892, 893, 894 are NOT refundable
- Maximum 100 ESNs per hardware key
- Requires KPG-64D to download PassPort™ ESN options into an 80-Series radio.
- Important: The hardware key is registered to the computer that it is first used on; it cannot be used on other computers.
- Empty hardware keys can be returned for 50% credit; call the LMR order desk for RMA #.
- Important: Retain depleted keys until a new one is received. It will be required to register the new key to the same computer.

KPG-64D	PassPort™ ESN Field Installation Software V1.12 · V1.12: supercedes V1.11; upgrade to V1.12 recommended for improved ESN file database features	6.00	10.00
KPG-63D	PassPort™ Radio Programming Software V2.00 or higher	\$39.00	\$65.00

Land-Mobile Price List

TK-863G UHF Trunking Mobile Radio

Model	Description	Dealer	List
UHF TK-863GK	Includes: KMC-27B mic., DC power cable, mounting bracket 450-490 MHz 25W, 32 Systems	\$279.00	\$465.00

TK-863G FEATURES:



32 System
Trunked Format: (LTR & Conventional Modes)
Priority Scan (Conventional Mode)
8 Character Alphanumeric Aliases
Lighted LCD Display
Power On LCD Text Message
10 Programmable Back-lit Keys
12.5/25 kHz Wide/Narrow Per Ch.
High/Low Power per Channel¹
Companded Audio Per Channel²
Built-in 4 W Speaker
2 Color LED Indicator
Inverting Front Panel
Home Group Function
Key Lock Function
QT/DQT Encode & Decode
DTMF ID (BOT/EOT)
DTMF Emergency ANI
DTMF Store & Send Dialing
DTMF Auto Dial (32 memories)
Auto-Redial (PF Key Function)
Busy Channel Lockout
Talk Around & Time Out Timer

Minimum Volume Setting
Power/Control/Warn Tone On/Off
Tone Volume Setting
PTT Release Tone
Off Hook Decode (QT/DQT)
Off Hook Horn Alert
PC Programming (KPG-76D)
PC Tuning
Panel Test & Tuning Modes
Clone Enable/Disable
Cloning (same model only)
Flash ROM Memory
Embedded Message (64 char.)
MIL-STD 810 C, D & E
Horn Alert Output³
Programmable Logic Outputs (SQL/LOK/HA)
Ignition-Sense Power On⁴
Ignition-Sense Horn Alert Disable⁵
Public Address Output Option⁶
AUX Manual Relay Output Option⁶
Foot Switch Input (PF input)⁷
KES-5 External Speaker Option⁸
KES-3 Compact External Speaker Opt.⁹

¹ Conventional systems per channel; LTR systems per system

² Both wide 25 kHz and narrow 12.5 kHz spaced channels

³ Requires KAP-1, KCT-19 and wire to horn relay or device (Horn Alert or AUX Manual Relay Output are KPG-76D programmable)

⁴ Requires KCT-19, KCT-18

⁵ Requires KAP-1, KCT-19 & KCT-18 and wire to horn relay

⁶ Requires KAP-1, KCT-19 & speaker

⁷ Requires KCT-19 & switch input to ground

⁸ Requires KCT-19

⁹ Plugs into mobile 3.5 mm phono-jack

Accessories for the TK-863G Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
AVL UNITS			
Note: For more information on AVL Units, please refer to the AVL pricepages.			
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	315.00	525.00
KGP-2B	Base Modem Unit	135.00	225.00
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	12.60	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00
CABLES			
KCT-18	Ignition Sense Cable (Requires KCT-19)	7.80	13.00
KCT-19	Accessory Interface Cable (i.e., data, horn alert)	12.60	21.00
INSTALLATION ACCESSORIES			
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	24.00	39.50
KMB-10	Key lock adapter for the KMB-6	15.00	25.00
MICROPHONE AND SPEAKERS			
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	25.20	42.00
KES-5	External Speaker, 40W max input, black case (TK-863G requires a KCT-19 option)	35.00	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	59.40	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied w/ radio	24.00	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	93.00	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00
MISCELLANEOUS ITEMS			
KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	24.00	40.00
KMB-20	Mobile cabinet for KPS-14/15 Power Supplies (mobile mounting hardware included) For 60/60G/60H/60HG/62/62G/60H/60HG/63G/80-series mobiles	15.00	25.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) *Compatible with medium & high power compact mobiles only: 60/60G/60H/60HG/62/62G/60H/60HG/80-series mobiles	99.00	167.00
SERVICE RELATED ACCESSORIES			
KCT-35	KGP-2A & 2B Radio Interface Cable for 60G/62G/63G-Series Mobiles	12.60	21.00
KCT-36	KCT-35 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles) for 60G/62G/63G/80 Series Mobiles	109.00	N/A
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00
KPG-76D	Programming Software for TK-363G/863G	59.00	99.00

Installation / Tuning Charges for the TK-863G Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-895	Install KCT-19 in 60G/62G/63G Series Mobiles for Data/MDT mode	10.00	17.00
L-897	Install KCT-19 in 60G/62G/63G Series Mobiles for Emergency Foot Sw. Input	10.00	17.00
L-890	Log KGP-1A Serial Number (s) & KGP-1B Serial Number (For DigiMap DMTrack – AVL Products)	N/C	N/C
L-930	Install KCT-35 in 60G/62G/63G Series Mobiles for KDS-100/KGP-2A/2B Interface (order KCT-35 separately)	12.60	21.00
L-936	Tune TK-863G	15.00	25.00

Land-Mobile Price List

TK-930HD/931HD

Trunked Compact Mobile Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
800 MHz	Includes: Mic (KMC-14), DC power cable, mounting brackets		
TK-930HD	800MHz, 35W, 10 Systems x 10 Groups (LTR® - compatible) NPSPAC Option available- Order L811	\$529.00	\$882.00
900 MHz	Includes: Mic (KMC-14), DC power cable, mounting brackets		
TK-931HD	(LTR® - compatible) Trunked/Conv. sys., 30W, 10 Systems x 10 Groups	\$611.00	\$1,019.00

TK-930HD/931HD FEATURES:

Programmable up to 10 systems with 10 groups per system
 LCD Display
 35W (TK-930HD)/30W (TK-931HD) RF power output
 LCD Display
 System Scan Functions
 Interval Scan
 Off Hook Revert
 User Selectable Delete / Add
 Group Scan
 QT/DQT
 Busy Channel Lock-out
 Talk Around
 Free System Ring Back
 Dual T-O-T
 Horn Alert
 MIL-STD 810 C, D, & E
 2 Fixed Priority Receive ID Codes
 Transmit Inhibit
 Transpond
 Automatic Minimum Volume
 NPSPAC Option



Accessories for the TK-930HD/931HD Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
INSTALLATION ACCESSORIES			
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	\$24.00	\$39.50
KMB-10	Key lock adapter (for both KMB-4 & 6)	\$15.00	\$25.00
KMB-4	Mobile mounting bracket (same as supplied)	\$7.00	\$12.00
MICROPHONE AND SPEAKERS			
KES-5	External speaker, Black Case, 40W max. input (dimensions: 5-1/16" W x 5-1/16" H x 3" D)	\$35.00	\$59.00
KMC-14	Standard dynamic mobile microphone	\$18.00	\$30.00
KMC-18	DTMF mic, manual dial, auto PTT, Backlit keypad, MILSTD	\$93.00	\$155.00
KMC-18A	DTMF mic, manual dial, auto PTT, Backlit keypad, 8 mem. auto dial, last # redial, MILSTD	\$138.00	\$230.00
KMC-2A	Noise canceling microphone	\$29.40	\$49.00
KMC-9	Control station desktop microphone	\$49.20	\$82.00
MISCELLANEOUS ITEMS			
KPS-10A	DC power supply (gray case)	\$125.00	\$209.00
SERVICE RELATED ACCESSORIES			
KPG-4	Mobile Programming interface cable		N/A
KPG-5D	Programming software disk (No longer sold. Download free licensed copy off Kenwood Dealer Tools)		N/A

Installation / Tuning Charges for the TK-930HD/931HD Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-812	Tune TK-930/931	10.00	17.00
L-811	NPSPAC conversion kit installation for TK-930HDK; NPSPAC is not programmable per channel with this option/model makes all channels transmit +/- 4 kHz max. deviation, installs receiver 12.5kHz narrowband filters and 1.5PPM TCXOs (TK-480/980 NPSPAC versions are per channel capable)	20.00	33.00

Land-Mobile Price List

TK-980/981

800 / 900 MHz Trunked Mobile Radios

Model	Description	Dealer	List
800 MHz	KMC-27B mic., DC Cable, & Mounting Bracket incl.		
TK-980	800 MHz, 15W LTR-32 Systems, CONV-250 CH.	\$315.00	\$525.00
L-889	Install NPSPAC firmware in TK-980	50.40	84.00
Other required items: KPG-49D (V2.00 or higher) higher permits "per channel" programming of NPSPAC capability. NPSPAC and Passport capability are not available in the same firmware option.			
900 MHz	KMC-27B mic., DC Cable, & Mounting Bracket incl.		
TK-981		\$325.00	\$541.00

TK-980/981 FEATURES:

GENERAL FEATURES:

- 15W 800 & 900 MHz Models
- NSPAC firmware option
- Programmable Power Per Channel
- Companded Audio Per Channel (wide & narrow*)
- 4 W Speaker Audio Power
- Inverting Front Panel (speaker position)
- 10 Character Alphanumeric Display
- 3 Numeric Character Sub-Display
- Dot Matrix Backlit LCD
- LCD Operational Icons
- Two Color Tri-State LED Indicator
- 4 PF Keys (lighted)
- Shift Key Function (req. DTMF mic)
- FleetSync
- Encryption/Scrambler Board Support
- ANI Board Support
- Emergency Type (FS, DTMF, ANI Brd.)*
- Emergency Calling Feature
- DTMF Decode Selective Call
- DTMF Deadbeat Disable
- DTMF PTT ID & DTMF Emergency ID*
- Alert with Transpond (DTMF)*
- PTT ID Side-Tone (ANI Boards)*
- PTT ID TA Inhibit*
- Call Alert Tone: Mom or Continuous (DTMF & FleetSync)*
- Auto-Dial Memory (32 numbers)
- Horn Alert (req. KCT-19 & KAP-1)
- Public Address
- Single COM Port: FS & GPS serial data*

- Programmable Function DTMF Mics
- Data Port I/O's (KCT-19)
- FleetSync COM 1 & 2 (KCT-31)
- Accessory Connector Option (KCT-19)
- Ignition Sense On/Off
- Timed Power Off (8 hr.)
- Inhibit PTT ID in TA
- PTT Release Tone
- Minimum Volume
- Control Tones On/Off
- Power On Text
- Embedded Message (64 Char.)
- Data Password ("Anti-piracy")
- Radio Password (Radio Lock)
- Clone Capability (enable/disable)
- Front Panel Self Programming & Tuning
- PC Programming & Tuning (DOS)
- Flash ROM Firmware
- KES-3 External Speaker (compact)
- KES-5 External Speaker (req. KCT-19)
- MIL-Spec/Noise-Cancel Mic Options
- KDS-100 Compatible (req. KCT-34/36)
- KGP-2A/2B Compatible (req. KCT-34/36)
- MIL810 C, D & E (Dust, Vibration Shock)

TRUNKED FORMAT

- 32 Systems (max.)
- Trunked LTR & Conventional Systems
- 250 Group IDs (aggregate max.)
- Single Priority Scan (within any Conv. System only)
- Scan Delete/Add
- QT/DQT Encode & Decode, BCL, TOT & TA (Conv.)
- LTR Talk Around / Scan Revert Group Display
- System Scan & Group Scan / Auto System Search

FLEETSYNC

- PTT ID (Digital ANI; 100 ID List capacity*)
- Caller ID Display (per CH; BOT only)*
- Caller ID Stack (last 3 calls)*
- Status Messaging (50 Msg. List capacity*)
- 70 Custom Dispatch Messages
- 9 Reserved Special Use Messages
 - ST# 98 - Man Down Emergency (portables)*
 - ST# 99- Emergency Status
 - ST# 88- Emergency Mode Off*
 - ST# 89- Horn Alert Request* (mobiles)
 - ST# 90- Stun radio (No TX)
 - ST# 91- Stun radio (No TX / No RX audio)
 - ST# 92- Turn off Stun
 - ST# 93- ACK stun is ON
 - ST# 94- ACK stun is OFF
 - ST# 80-87, 95-97 (Reserved for future use)

Selective Call

- Short Text Messages** (stored/display)
- Long Text Message** (req. KDS-100, KCT-34/36)
- PC Serial Control Interface** (req. KCT-31)
- FS GPS Data** (req. aftermarket GPS/modification)
- PC Serial Interface**

* Features added in Ver. 2 radios

** FleetSync Enhanced Option required - NOT factory installed on these models; please purchase separately.

INCLUDED ITEMS

- Metal Belt Clip



Important Note:

The TK-480/481/980/981 only operate in "Trunked Format" (LTR & Conventional systems). These are not "Dual Format" radios like the TK-280/380/780/880 mobiles which operate in either Trunked Format (LTR & Conventional systems) or Conventional Format (traditional conventional channel organization with priority scan).

Accessories for the TK-980/981 Series Radios

Model	Description	Dealer	List
ACCESSORY COMPATIBILITY FOR THE 80-SERIES MOBILES			

	KCT-18	KCT-19	KAP-1	KCT-31	KCT-34	KCT-35	KCT-36	KDS-100	KGP-2A/2B
KCT-18		X	X (a)	X (b)	X (b)	X (b)	:	X (b)	X (b)
KCT-19	X		X (a)	X (c)	:	:	:	:	:
KAP-1	X (a)	X (a)		X (d)	:	:	:	:	:
KCT-31	X (b)	X (c)	X (c)		:	:	:	:	:
KCT-34	X (b)	:	:	:		:	X	X	X
KCT-35	X (b)	:	:	:	:		X	X	X
KCT-36					X	X		X	X
KDS-100	X (b)	:	:	:	X	X	X		:
KGP-2A/2B	X (b)	:	:	:	X	X	X	:	

Chart Key

X = compatible

X () = compatible, but additional options/modification may be required; some modifications are "Dealer-installed only; refer to Kenwood application notes" (no Kenwood install labor code available).

Blank= Not compatible

Gray= Non-applicable

Remarks

(a) The KAP-1 PA/HA relay board requires a KCT-19 to route the PA & HA outputs external of the mobile.

(b) Installing the option in the left-hand column will require the KCT-18 to be routed under the DC cable grommet, stripped /tinned and soldered directly to the ignition sense input inside the mobile Dealer-installed only; refer to Kenwood application notes.

(c) [80-Series mobile only] This install must share the SB+ and GND connections. The KCT-31 connects to the 80-Series COM1 port only. Dealer-installed only; refer to Kenwood application notes.

(d) [80-Series mobile only] This install must share the SB+ and GND connections. Dealer-installed only; refer to Kenwood application notes. The KAP-1 requires a KCT-19.

MOBILE INSTALLATION ACCESSORIES

KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	24.00	40.00
KCT-18	Ignition sense cable (requires KCT-19)	7.80	13.00
KCT-19	Accessory connector cable (for ignition sense, horn alert, KSP- spkrs, & Data Port)	12.60	21.00
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	12.60	21.00
KCT-36	KCT-34/35/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	24.00	39.50
KMB-6	Mobile mounting bracket (same as supplied)	7.00	12.00
KMB-10	Key lock adapter (for both KMB-4 & 6)	15.00	25.00

CONTROL STATION INSTALLATION ACCESSORIES

KCT-31	PC Serial Interface cable (80-Series mobile-to-PC connection for FleetSync)	42.00	70.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00
KMB-20	Control Station Mounting Case for KPS-14/15 Power Supplies (mobile mounting hardware included) For 60/60G/60H/60HG/62/62G/60H/60HG/80-series mobiles	15.00	25.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) *Compatible with medium & high power compact mobiles only: 60/60G/60H/60HG/62/62G/60H/60HG/80/50-Series mobiles; See KMB-20 mounting case	99.00	167.00
KAS-2SFD	FleetDispatchPRO: FleetSync messaging dispatch software for PC (Windows 98/Me/NT/2000/XP compatible) Supports the following FleetSync features: decodes PTT ID, decodes Emergency, encode/decodes Status Messages , encodes Short & Long Text Messages.	299.00	498.00

FleetDispatchPRO Base/Control Station radio Requirements:

80-Series Mobile Only (Version 2 radio or later)

KMC-9C Base station Desktop Microphone recommended

FleetSync Enhanced Enabled (already factory installed except for 800/900 MHz products)

Installed KCT-31 PC Serial Interface Cable (see mobile price pages for details)

FleetDispatchPRO Computer Requirements:

Windows 98 or better (FleetDispatchPRO is Windows 98/Me/NT/2000/XP OS compatible)

Pentium II 450 MHz or higher processor; Minimum 64 MB RAM

10 MB free hard disk space for installation; additional space for message log

CD ROM Drive / VGA or higher resolution monitor / Mouse

One Serial Port & One Parallel Port (for hardware software security key)

Note: Single PC installation/operation; does not support LAN sharing or operation

Accessories for the TK-980/981 Series Radios

Model	Description	Dealer	List
<u>MICROPHONES AND SPEAKERS</u>			
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	25.20	42.00
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (requires KCT-19)	35.00	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	59.40	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied with radio	24.00	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	93.00	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00

FLEETSYNC MOBILE DATA TERMINAL See the KDS-100 price pages for detailed information

KDS-100	FleetSync™ Data Terminal- Includes mounting bracket, mounting hardware and DC Cable Notes: 80-Series mobiles require the FleetSync Enhanced option enabled-see L-875 KCT-40 Radio Interface cable is required. Use a KCT-36 9.8 ft. for an extension cable	357.00	595.00
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	12.60	21.00
KCT-36	KCT-34/35/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00

AVL UNITS

See the AVL price pages for detailed information

KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	315.00	525.00
KGP-2B	Base Modem Unit Note: A KGP-2A/2B AVL system requires aftermarket AVL mapping dispatch software -see AVL	135.00	225.00
KCT-34	KGP-2A/2B & KDS-100 Radio Interface Cable for 80-Series Mobiles	12.60	21.00
KCT-36	KCT-34/35/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00

QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired G-Star (L-901) or MDC-1200 (L-902) ANI format labor code.
 2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
 3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk
- All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).
- a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
 - b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).

Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarron Technologies Call 800-487-7184 www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down -Order L-901 or L-902	Important Factory Install Only	76.80	128.00
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Accessories for the TK-980/981 Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
<u>SERVICE RELATED ACCESSORIES</u>			
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles) for 60G/62G/80 Series Mobiles	109.00	N/A
KPG-49D ¹	P.C. Programming Software for TK-280/380/480/481/780/880/980/981 V3.00 or higher	39.00	65.00
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00
*****	Call Kenwood Parts at 800-367-7514 to order the following:		
E30-3382-05	Clone cable	\$7.96	\$13.54
J29-0627-13	Mounting bracket for TK-780/880/980/981 --- same as supplied w/ radio	4.14	7.04

Installation / Tuning Charges for the TK-980/981 Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-857	Tune TK-780/880/980/981	15.00	25.00
L-875	Enable FleetSync Enhanced Option in 80-Series (mobile/portable)	30.00	50.00
L-889	Install NPSPAC firmware in TK-980	50.40	84.00
	Note: NPSPAC and Passport capability are not available in the same firmware option.		
L-901	Program and install QE-2 MDC1200 Encoder	45.00	75.00
L-902	Program and install QE-2 G-Star® Encoder	45.00	75.00
L-905	FleetSync enhanced option (field retrofit) (order qty. bet. 1-24). Must order SRB08698 Hardware Key also; requires KPG-65ED	30.00	50.00
L-906	FleetSync enhanced option (field retrofit) (order qty. bet. 25-99). Must order SRB08698 Hardware Key also; requires KPG-65ED	25.00	50.00
L-907	FleetSync enhanced option (field retrofit) (order qty. 100+). Must order SRB08698 Hardware Key also; requires KPG-65ED	20.00	50.00
L-929	Install KCT-34 to 80-Series mobile for KGP-2A/2B interface (order KCT-34 separately)	12.60	21.00

FleetSync™ General Information

The 40, 50 & 80-Series radio firmwares include both the full set of FleetSync™ Basic and FleetSync Enhanced feature sets. However, the TK-2140/3140 & the TK-480/481/980/981 radios require the "FleetSync™ Enhanced" Option to be ordered to "enable" the enhanced feature set. As of 10/01/02, the TK-280/380/780/880/7150/8150 come with the FleetSync enhanced option pre-enabled.

FleetSync™ Basic - "Basic" features are available in each radio as shipped from Kenwood (no activation is required). The entire Basic feature set is designed to operate between FleetSync™ base and fleet radios (within the limitations of the radio controls and LCD display capabilities). Some Basic feature sets require a vendor-supplied base dispatch hardware and/or software for practical dispatch operations.

~ **PTT ANI (fleet portables/mobiles)** - digital ANI sent on each PTT using the FleetSync™ ID.

~ **Caller ID / Caller ID Stack** ¹ (portables/mobiles)- decodes an incoming PTT ID and displays the caller alphanumeric tag; Caller ID Stack stores the last 3 calls for review.

~ **Selective Call** (portables/mobiles) - allows base-to-fleet and fleet-to-fleet selective calling via a pre-stored 100 ID list ². Each ID can have an 16 character alphanumeric tag for easy selection and Caller ID recognition.

~ **Status Messaging** (portables/mobiles)- provides up to 50 pre-stored sixteen-character alphanumeric messages³ permitting a base to send a larger variety of job-type messages and fleet radios to display and respond accordingly with complimentary acknowledgements (includes special reserved Emergency, Emergency Man-down*, Emergency Mode Off *, Horn Alert (mobiles)* and Radio Stun/Acknowledge/Resurrect statuses are available).

¹ 80-Series: starting with Ver. 2.0 radios;

² 80-Series: starting with Version 2.0 radios only; previous versions had a 32 ID capacity;

³ 80-Series: starting in Version 2.0 radios only; previous versions had a 32 Status Message capacity

FleetSync™ Enhanced Option- The FleetSync™ Enhanced Option, if not already pre-enabled, must be "enabled" in the radio by ordering the appropriate labor codes for a Kenwood install or ordering the appropriate quantities of FS Enhanced options loaded in hardware key(s) and a KPG-65ED as a dealer field retrofit kit (see model price lists). This enables the following Enhanced features in addition to the Basic feature set:

~ **PC Serial Control** (mobiles only)- PC Serial Interface enables serial line communications between an 80-Series mobile radio and a FleetSync compatible computer software application or peripheral device (enables the serial COM port I/O's of an 80-Series mobile) such as CAD/messaging, AVL/messaging software and devices such as status messaging units, desktop ANI encoder/decoder units and mobile data terminals (check with vendor).

~ **Short Text Messaging** (portables/mobiles)- decodes, stores and displays in the radio up to four 48-character Short Text messages

~ **Long Text Messaging** (mobiles only)- decodes and stores one 1024-character message for output to an external KDS-100 or decode-display device. A Long Text message is NOT stored in mobile memory or displayed in the mobiles LCD.

~ **FleetSync™ GPS Data** (mobiles only; requires special modifications)- FleetSync™ Enhanced option enables a FleetSync mobile to use the NMEA-0183 GPS serial data output (in RS-232C format) from a GPS receiver and send this data in the FleetSync™ air protocol data format (the type GPS data sent is programmable in the mobile). This requires the FleetSync™ Enhanced option in both fleet and base mobiles; an aftermarket GPS receiver (internal or external); special hardware modifications to connect the GPS receiver. Call Kenwood technical support for GPS receiver application notes and see Manning Rastrac information in the AVL price pages for software.

FleetSync™ for 80-Series Portables & Mobiles

Installation / Tuning Charges

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
To program all 80-Series radio parameters (including FleetSync parameters):			
KPG-36	Programming interface cable 40/80/90-Series Portables	\$53.00	N/A
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles) for 60G/62G/80 Series Mobiles	\$109.00	\$181.67
KPG-49D ¹	P.C. Programming Software for TK-280/380/780/880/980/981 & TK-480/480	39.00	65.00

Kenwood-installed FleetSync Enhanced Option

L-875	FleetSync™ Enhanced Option- enable in 80-Series (mobile/portable)	30.00	50.00
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Dealer-installed FleetSync Enhanced Options

Note:

Instead of L-875, options L-905/906/907; SRB08698 Hardware Key and KPG-65ED can be purchased for dealer field installation of the FleetSync™ Enhanced option

L-905	FleetSync™ Enhanced Option (field retrofit) for 80-series; Price each for qty. 1-24	30.00	50.00
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Note:

Must order SRB08698 Hardware Key also; requires KPG-65ED

L-906	FleetSync™ Enhanced Option (field retrofit) for 80-series; Price each for qty. 25-99	25.00	50.00
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Note:

Must order SRB08698 Hardware Key also; requires KPG-65ED

L-907	FleetSync™ Enhanced Option (field retrofit) for 80-series; Price each for qty. 100+	20.00	50.00
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Note:

Must order SRB08698 Hardware Key which holds 100 ESN's maximum; multiple keys must be orders over 100. Also requires KPG-65ED.

SRB08698 ²	Hardware Key (Sentinel Super Pro)	50.00	83.33
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Note:

SRB08698 hardware key holds 100 ESN's maximum; multiple keys must be purchased for orders over 100.

KPG-65ED ³	FleetSync™ Enhanced Option Installation Software	6.00	10.00
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Note:

Required for L-905/906/907 & SRB08698 use. This software is re-usable on future orders of L-905/906/907

Cable/options to connect an 80-Series base/control mobile to a PC

KCT-31	PC Serial Interface cable (80-Series mobile-to-PC connection for FleetSync) Order L-918 for Kenwood installation	42.00	70.00
L-918	Install KCT-31 in 80-Series mobile (order KCT-31 separately)	12.60	21.00

Option Notes:

1. KPG-49D: As of June 2001, 80-Series "Version 2.0" radio productions were released (see LMR Sales Bulletin I-01-26LM for details).
~ KPG-49D V3.XX programming software is required for Version 2.0 radios. KPG-49D V3.XX programming software will program all early (pre-VER 2.0) radios except the early TK-480/481 production (the KPG-35D must be used). On all other models, the 2-tone data defaults to factory settings and will require re-entry.
~ KPG-49D V2.XX or earlier will not program any new Version 2.0 radios. V2.XX programs pre-Version 2.0 radios that were the first version to include FleetSync (TK-280/380/780/880/980/981-production starting 7/99 and TK-980/981 production starting 3/99).
~ KPG-49D V1.XX should be retained to program older TK-280/380/780/880 radios that do not have FleetSync™ capability; the KPG-35D V1.XX should be used to program earlier TK-480/481 radios that do not have FleetSync.
2. The SRB08698 hardware key requires L-905, 906 or 907 options to be loaded into it. The hardware key requires the KPG-651 to activate FleetSync™ Enhanced Options in an 80-Series radio. The SRB08698 hardware key can be returned when empty for 50% credit. Call the LMR order desk for an RMA#. Credit will NOT be issued for the L-905/906/907 options.
3. The KPG-65ED is a one-time order and may be re-used on future orders of L-905/906/907. The SRB08698 hardware key may



PassPort Options (Kenwood-installed) FOR NEW RADIO ORDERS ONLY

Ordering Instructions

For 800/900 MHz models TK-480/481/980/981 new radio orders, the Kenwood-installed Passport ESN / firmware option is available for a charge:

1. Order the ESN/Firmware option per L-876, L-877 or L-878

Other required items:

- a. KPG-63D Radio Programming Software: the KPG-63D is required to program all PassPort parameters for all PassPort™ enabled radios, the KPG-63D will not program LTR or conventional parameters.
- b. KPG-49D is required only if LTR or conventional systems are to also be programmed in the PassPort radio.

Model	Description	Dealer	List
Labor Code			
L-876	Install PassPort™ ESN options and firmware in TK-480/481/980/981 · 1-24 qty. lot price; Price is per ESN · The latest PassPort™ radio firmware will be installed	\$40.80	\$68.00
L-877	Install PassPort™ ESN options and firmware · 25-99 qty. lot price; Price is per ESN · The latest PassPort™ radio firmware will be installed	35.00	68.00
L-878	Install PassPort™ ESN options and firmware · 100 qty. lot price; Price is per ESN · The latest PassPort™ radio firmware will be installed	30.00	68.00
L-938	Install PassPort™ ESN options and firmware in TK-380/880 models (with new radios purchases beginning 10/1/02)	0.00	0.00
PassPort™ Radio Programming Software			
KPG-63D	PassPort™ Radio Programming Software V2.00 or higher	39.00	65.00

PassPort Options (Field-installation kits)

FOR DEALER / OPERATOR FIELD CONVERSIONS

Ordering Instructions

1. Order the ESN key/firmware Labor Code options: L-892, L-893 or L-894; specify model radio(s).
Pre-loaded ESN hardware key(s) with the ordered quantities of ESN's and a PassPort™ radio firmware diskette will be shipped (100 ESN's maximum per hardware key). **Important: Any depleted key previously registered to a technicians computer must be retained to register any new purchased key to the computer; please retain the old key until the new one is received.**
2. Other required items:
 - a. KPG-64D: PassPort™ ESN Install Program: the KPG-64D only needs to be ordered one time. It is re-usable for subsequent ESN orders (unless an upgrade is recommended).
 - b. KPG-63D Radio Programming Software: required to program all PassPort parameters for all PassPort™ enabled radios, the KPG-63D will not program LTR or conventional parameters.
 - c. KPG-49D Radio Programming Software: required only if LTR or conventional systems are also to be programmed in the PassPort radio.

Model	Description	Dealer	List
L-892	PassPort™ ESN Options & PassPort™ firmware disk(SPECIFY RADIO MODEL) · 1-24 qty. lot price; Price is per ESN	\$40.80	\$68.00
L-893	PassPort™ ESN Options & PassPort™ firmware disk(SPECIFY RADIO MODEL) · 25-99 qty. lot price; Price is per ESN	35.00	68.00
L-894	PassPort™ ESN Options & PassPort™ firmware disk(SPECIFY RADIO MODEL) · 100 qty lot price; Price is per ESN · Maximum 100 ESN options per hardware key	30.00	68.00
Note: Sales of L-892, 893, 894 are NOT refundable. Purchaser has a 72 hour limit after receipt to report suspected hardware key defects or ESN shortages to Kenwood engineering, Suwannee office 678-474-4700			
SRB08698	Hardware Key (Sentinel Super Pro)	50.00	83.33
NOTES: <ul style="list-style-type: none"> · Requires purchase of L-892, 893 or 894 · Sales of L-892, 893, 894 are NOT refundable · Maximum 100 ESNs per hardware key · Requires KPG-64D to download PassPort™ ESN options into an 80-Series radio. · Important: The hardware key is registered to the computer that it is first used on; it cannot be used on other computers. · Empty hardware keys can be returned for 50% credit; call the LMR order desk for RMA #. · Important: Retain depleted keys until a new one is received. It will be required to register the new key to the same computer. 			
KPG-64D	PassPort™ ESN Field Installation Software V1.12 · V1.12: supercedes V1.11; upgrade to V1.12 recommended for improved ESN file database features	6.00	10.00
KPG-63D	PassPort™ Radio Programming Software V2.00 or higher	\$39.00	\$65.00

Land-Mobile Price List

TK-6110

Compact Low Band Mobile

Model	Description	Dealer	List
VHF	Mic (KMC-27B), D.C. Power Cable and Mounting Bracket Included		
TK-6110K	VHF Low Band 29.7 – 37.0 MHz 70W, 32 Channels	\$450.00	\$750.00
TK-6110K2	VHF Low Band 35.0 – 50.0 MHz 70W, 32 Channels	450.00	750.00

TK-6110 FEATURES:

32 Channels
70 W Transmitter Power Output
8 Character Alphanumeric LCD (13 Segmer)
3 Digit Display and Icons
Two Color Tri-State LED
Up/Down Channel Selector
Mechanical Volume Knob
Power On/Off Button
Front Panel Internal Speaker
Noise Blanker Function
Single Priority Scan
Home Channel
Seven Programmable Radio Keys
MIL-STD 810 C, D, & E
Heat-sink / Die-Cast Chassis
Two Tone Decode
DTMF Decode
DTMF Dead Beat Disable (DBD)
DTMF PTT ANI Encode
QT/DQT Tone/Digital Coded Squelch
Operator Selectable Tone (QT/DQT)
Encryption Board Port/Control
Digital ANI Board Port/Control
Emergency Key & Call Channel Features
Foot Switch Input
Ignition-Sense Function
Timed Power Off Function
Horn Alert Function
Data Password
Cloning



PC Programming and Tuning
Flash ROM Memory
15 Pin Accessory Connector
8 Pin Modular Microphone Jack
M-Type Antenna Connector (pig-tail)
Unavailable Frequencies:

TK-6110K (29.7 - 37.0 MHz model): 33.60 MHz
TK-6110K2 (35.0 - 50.0 MHz model): 42.00 MHz

IMPORTANT NOTICE [Power/Bandwidth vs. VSWR]

The TK-6110 mobiles output power will be significantly reduced with VSWR = 1.5 or greater.
TK-6110 Output Power Performance (nominal; transmission line losses not included)

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

The following table shows the bandwidth performance of a typical low band antenna maintaining a VSWR= 1.5 or less with the TK-6110 models.

TK-6110K		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)

IMPORTANT NOTICE:

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

1. KCT-19: 15-pin accessory connector is built in.
2. 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-4).

FleetSync™ is not available for the TK-6110.

KES-3 is not compatible, use KES-4.

The following frequencies are not allowed in the TK-190 and TK-6110 models: 33.6 MHz and 42.0 MHz.

Accessories for the TK-6110 Series Radios

Model	Description	Dealer	List
CABLES			
KCT-18	Ignition sense cable	7.80	13.00
INSTALLATION ACCESSORIES			
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	24.00	39.50
MICROPHONES AND SPEAKERS			
KES-5	Ext. speaker, 40W max input; blk., case, 5"x5"x2-9/16" (plugs into TK-6110 6-pin molex acc. conn.)	35.00	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	59.40	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied with radio	24.00	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	93.00	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00
MISCELLANEOUS ITEMS			
KPS-10A	DC power supply (gray case)	125.00	209.00
KPS-10AM	220 volt DC power supply (gray case)	125.00	209.00
SERVICE RELATED ACCESSORIES			
KPG-46	Radio Programming Interface Cable	109.00	N/A
KPG-59D	Program Software for TK-190/6110 (Version 2.00)	39.00	N/A
***** Call Kenwood Parts at 800-367-7514 to order the following:			
E30-3382-05	Clone cable	7.96	13.54
J29-0662-03	Mounting bracket (Same as supplied)	4.28	7.36
N99-0395-05	Screw set for mounting bracket Part #J29-0662-03	1.70	2.99

DIGITAL ANI MODULES

QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired G-Star (L-901) or MDC-1200 (L-902) ANI format labor code.
 2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
 3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk
- All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).
- a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
 - b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).
Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarron Technologies Call 800-487-7184
www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down Important: Kenwood factory Install Only --Order L-901 or L-902	76.80	128.00
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Installation / Tuning Charges for the TK-6110 Series Radios

Model	Description	Dealer	List
L-901	Program and install QE-2 MDC1200 Encoder	45.00	75.00
L-902	Program and install QE-2 G-Star® Encoder	45.00	75.00
L-911	Tune TK-190/TK-6110	15.00	25.00

Land-Mobile Price List

TK-7150/8150

VHF / UHF Trunking & Conventional Mobile Radios

Model	Description	Dealer	List
VHF	Includes: KMC-27B Mic., KCT-23M DC Cable, Mounting bracket, key label inserts		
TK-7150K	136-174 MHz, 50 W, 128 Conventional/ 32 LTR Zones max.	\$420.00	\$700.00
UHF	Includes: KMC-27B Mic., KCT-23M DC Cable, Mounting bracket, key label inserts		
TK-8150K	450-500 MHz, 45 W, 128 Conventional/ 32 LTR Zones max.	\$440.00	\$733.00

TK-7150/8150 FEATURES:

GENERAL FEATURES:

50W VHF & 45W UHF
 DSP Processing
 Wide Frequency Range
 Wide/Narrow Channel Spacing
 Programmable Power Per Channel
 Remote Mount Capable (KRK-9)
 3.5 W Front Panel Speaker
 12 W External Speaker Output
 Companded Audio Per Channel
 12-Character Alphanumeric Display
 3-Digit Numeric Sub-Display
 Dot Matrix Backlit LCD
 TX/Busy LED Indicators
 LCD Backlight Control
 6 PF Keys with Label Inserts
 Volume Knob / Power ON/Off Button
 Zone/ CH Selector Knob
 Dynamic Channel/Zone Allocation
 Home CH/GID
 5 CH. Direct Channel Select (User)
 CH/GID Selector Tracking & Recall
 Send GPS
 Speaker Internal-External Switch
 Squelch Level
 FleetSync & FleetSync II ***
 Encryption/Scrambler Board Support
 ANI Board Support
 Dual ANI & Scrambler Board Install
 Emergency Call (DTMF & FleetSync)
 DTMF Decode Selective Call
 DTMF Deadbeat Disable
 DTMF PTT ID & DTMF Emergency ID
 Auto-Dial Memory (32 numbers)
 Horn Alert (Programmable Output)
 Public Address
 DB-25 Accessory Connector
 AUX A Output (High or Open Coll.)
 AUX B Output (High or Open Coll.)
 AUX Inputs 1-4 (F-Port)
 AUX Outputs 1-4 (F-Port)
 16 CH. Remote Ctrl. I/O's (F-Port)
 Data Port I/O's (F-Port)
 FleetSync COM 1 & 2 (DB-25)
 6-Pin Accessory Connector

Ignition Sense On/Off
 Timed Power Off with Ignition Sense
 Inhibit PTT ID in TA
 PTT Release Tone
 Minimum Volume
 Control Tones/Offset Volume
 Power On Text
 Embedded Message (64 Char.)
 Embedded Message w/Password
 Data Password ("Anti-piracy")
 Radio Password (Radio Lock)
 Clone Capability (enable/disable)
 PC Programming & Tuning
 Flash ROM Firmware
 Windows Programming Software
 KES-5 External Speaker
 MIL-Spec/Noise-Cancel Mic Options
 KDS-100 Compatible (KCT-40)
 KGP-2A/2B Compatible (KCT-40)
 MIL-STD 810 C, D, E & F

INCLUDED ITEMS

KMC-27B Standard Microphone
 DC Cable
 Mounting Bracket
 Instruction Manual
 2 Year Warranty Card

CONVENTIONAL ZONE OPERATION

128 Zones (max.)
 Dual Priority Scan
 Single/Multi-Zone & List Scan
 Scan Revert Channel Display
 Scan Delete/Add
 Nuisance Delete
 QT/DQT Encode & Decode
 Operator Selectable Tone (16 OST)
 2-Tone Decode (4 x 4 Decoding)
 Tones: A, B, C, D; Seq.: A-B, A-C, C-B, A-D, C-D
 4 Decode Groups x 4 Decode pairs
 8 Unique Alert Tone Patterns
 2-Tone Encode (32 Selectable Pairs)
 BCL/BCL Override, TOT & TA
 LTR ZONE OPERATION
 32 Zones (max.)
 250 GIDs max.



LTR Talk Around
 Scan Revert Group Display
 System Scan & Group Scan
 Auto System Search

FLEETSYNC / FLEETSYNC II ***

Programmable for either FleetSync I or FleetSync II protocols
 PTT ID (Digital ANI)
 Caller ID Display (per CH.; 100 ID List)
 Status Messaging (50 Msg. List capacity)
 70 Custom Dispatch Messages
 9 Reserved Special Use Messages
 ST# 98 - Man Down Emergency (portables)
 ST# 99- Emergency Status
 ST# 88- Emergency Mode Off
 ST# 89- Horn Alert Request
 ST# 90- Stun radio (No TX)
 ST# 91- Stun radio (No TX / No RX audio)
 ST# 92- Turn off Stun
 ST# 93- ACK stun is ON
 ST# 94- ACK stun is OFF
 ST# 80-87, 95-97 (reserved for future use)
 Selective Call (100 ID List, Last 3 Message Stack)
 Short Text Messages** (stored/display)
 Long Text Message** (req. KDS-100, KCT-40//36)
 PC Serial Control Interface** (req. computer serial cable)
 FS GPS Data** (req. aftermarket GPS/modification)

** FleetSync Enhanced features (factory enabled)

*** FleetSync II air protocol is not compatible with the original FleetSync air protocol. The TK-7150/8150 FleetSync PC Serial interface is the same regardless of FleetSync or FleetSync II operation with dispatch software applications.

Accessories for the TK-7150/8150 Series Radios

Model	Description	Dealer	List
MOBILE INSTALLATION ACCESSORIES			
KCT-18	Ignition sense cable (plugs into TK-7150/8150 mobile 6-pin acc.conn.)	\$7.80	\$13.00
KCT-22M	Remote Control Cable - 8 Feet; TK-7150/8150; 90-Series	\$42.00	\$70.00
KCT-22M2	Remote Control Cable - 17 Feet (typical sedan length); TK-7150/8150; 90-Series	\$48.00	\$80.00
KCT-22M3	Remote Control Cable - 25 Feet; TK-7150/8150; 90-Series	\$54.00	\$90.00
KCT-23M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)- same as supplied with radio	\$18.00	\$30.00
KCT-23M3	DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	\$19.80	\$33.00
KCT-36	KCT-34/35/40 Extension Cable; 117.6 inches (9.8 ft)	\$25.00	\$42.00
KCT-40	KGP-2A/2B & KDS-100 Radio Interface Cable for 50-Series Mobiles	\$16.60	\$28.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	\$24.00	\$39.50
KRK-9	Remote Control Kit for TK-7150/8150 (purchase KCT-22M/M2/M3 cable separately)	\$28.00	\$47.00
CONTROL STATION INSTALLATION ACCESSORIES			
Notes:			
FleetSync PC Serial Interface connections to a computer can be made with a standard computer serial cable; DB-25 male (mobile) -to- DB-9/25 female (computer). The TK-7150/8150 does not require a special Kenwood KCT-cable. KMB-xx Mounting Cases- there are no TK-7150/8150 compatible mounting cases for the KPS-10A/AM or KPS-14/15 DC power supplies (the KMB-2B & KMB-20 are not compatible)			
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	\$49.20	\$82.00
KPS-10A	Regulated DC power supply (gray color; 110VAC)	\$125.00	\$209.00
KPS-14	DC Switching Power Supply (117/230 VAC; 10A max. continuous, 14A peak) Compatible with medium power compact mobiles only: 60/60G/62/62G/80/50-series mobiles	\$81.00	\$135.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) Compatible with medium & high power compact mobiles only: 60/60G/60H/60HG/62/62G/60H/60HG/80/50-series mobiles	\$99.00	\$167.00
MICROPHONES AND SPEAKERS			
KES-5	Ext. speaker, 40W max input; blk., case, 5"x5"x2-9/16" (plugs into 7150/8150 6-pin molex acc. conn.)	\$35.00	\$59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	\$59.40	\$99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied with radio	\$24.00	\$40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	\$93.00	\$155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	\$49.20	\$82.00
KDS-100 FLEETSYNC MOBILE DATA TERMINAL (See KDS-100 price pages for details)			
KDS-100	FleetSync™ Data Terminal- Includes mounting bracket, mounting hardware and DC Cable	\$357.00	\$595.00
KCT-40	KGP-2A/2B & KDS-100 Radio Interface Cable for 50-Series Mobiles	\$16.60	\$28.00
KCT-36	KCT-34/35/40 Extension Cable; 117.6 inches (9.8 ft)	\$25.00	\$42.00
KPG-71D	Programming Software for KDS-100 Windows™ 95/98/Me	\$59.00	\$99.00
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	\$315.00	\$525.00
KGP-2B	Base Modem Unit	\$135.00	\$225.00
KCT-40	KGP-2A/2B & KDS-100 Radio Interface Cable for 50-Series Mobiles	\$16.60	\$28.00
KCT-36	KCT-34/35/40 Extension Cable; 117.6 inches (9.8 ft)	\$25.00	\$42.00
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	\$59.00	\$99.00

Accessories for the TK-7150/8150 Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
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QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired G-Star (L-901) or MDC-1200 (L-902) ANI format labor code.
 2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
 3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk
- All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).
- a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
 - b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).

Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarron Technologies Call 800-487-7184 www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down Important: Kenwood factory Install Only –Order L-901 or L-902	\$76.80	\$128.00
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SERVICE RELATED ACCESSORIES

KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles) for 60G/62G/80/50-Series Mobiles	\$109.00	N/A
KPG-79D	P.C. Programming Software for TK-7150/8150 Windows 98,2000,Me & XP	\$59.00	\$99.00
Call Kenwood Parts at 800-367-7514 to order the following:			
E30-3382-05	Clone cable	\$7.96	\$13.54
J29-0697-XX	Mounting bracket for TK-7150/8150 (hardware N99-0395-x5)- same as supplied with radio	TBD	TBD

Installation / Tuning Charges for the TK-7150/8150 Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-939	Tune TK-7150/8150	\$30.00	\$50.00
L-940	Assemble TK-7150/8150 with KRK-9 Remote Kit	\$21.00	\$35.00
L-901	Program and install QE-2 MDC1200 Encoder	\$35.00	\$59.00
L-902	Program and install QE-2 G-Star® Encoder	\$35.00	\$59.00

Land-Mobile Price List

TK-7180/8180

VHF / UHF Trunking & Conventional Mobile Radios

Model	Description	Dealer	List
VHF	Includes: KMC-35 Mic., DC Cable, Mounting bracket		
TK-7180K	136-174 MHz 30W, 512 CH / 128 Zone CONV-& LTR	\$335.00	\$558.00
UHF	Includes: KMC-35 Mic., DC Cable, Mounting bracket		
TK-8180K	450-520 MHz 30W, 512 CH / 128 Zone CONV-& LTR	345.00	575.00
TK-8180K2	400-470 MHz 30W, 512 CH / 128 Zone CONV-& LTR	345.00	575.00

TK-7180/8180 FEATURES:

GENERAL

30 Watt UHF & VHF Models
 Wide Band: UHF 70 MHz / VHF 38 MHz
 Conventional & LTR Zones
 512 Channels / 128 Zones
 Remote Control Head Option (KRK-10)
 Home CH/GID
 Direct Channel/GID Access (5)
 12 Character Alphanumeric Aliases
 Backlit Dot Matrix LCD
 3-Digit Sub-Display
 RSSI Indicator
 Date & Time Clock
 Power On Text Message
 Emergency/AUX Key (Δ)
 6 Programmable Function Keys
 Kenwood Enhanced Audio
 Companded Audio Per Channel
 4 W Front Panel Speaker Audio
 DB-25 Acc. Conn. /Programmable Interface
 Ignition Sense Line (pigtail)
 KAP-2 PA/HA Unit
 Horn Alert (FleetSync, 2-Tone, DTMF decode)
 Easy Option Port
 VGS-1 Voice Guide & Storage Unit
 Voice Inversion Scrambler Built-in
 Encryption/ANI Board Control
 Emergency Calling Features
 Signaling AND/OR (per Zone)
 DTMF Decode
 DTMF Stun
 DTMF PTT ID
 DTMF Manual Encode (keypad models)
 DTMF Auto-Dial (32 numbers)
 Call Key (FleetSync®, 2-Tone or DTMF encode)
 Special Alert Tones (8 Sequences)
 Call Key (FleetSync, 2-Tone, DTMF encode)
 Embedded Message (64 Character)
 Embedded Message with Password
 Microphone Sensitivity Adjust
 Tone Volume
 Min / Max. Speaker Volume
 Time Out Timer (per Zone)
 Timed Power Off

Transceiver Password
 Data Password (Read/Write)
 Windows □ Programming & Tuning
 English/Spanish Program Screen Language
 Panel Test/Tune
 Cloning
 Firmware Version Programming & Version
 MIL-STD-810 C/D/E/F (11 cat.)
 MIL-STD "Driven-Rain" (Control Head)
 IP-54/55 Water & Dust Intrusion (Control Head)
 2 Year Warranty

CONVENTIONAL ZONES

512 Channels (CH & GID max. capacity per radio)
 128 Zones max. per radio
 250 CH max. per CONV. Zone
 QT / DQT
 Two-Tone Decode (4 pairs)
 Single / Two-Tone Encode (32)
 Operator Selectable Tone (40 code pairs)
 Dual Priority Scan
 Single/Multi-Group/List Scan
 Scan Revert Channel Display
 Priority Channel Stop Tone
 CH Delete/Add
 Nuisance Delete
 Priority Temporary Delete
 Power on Scan
 Talk Around
 Busy Channel Lockout

INCLUDED ITEMS

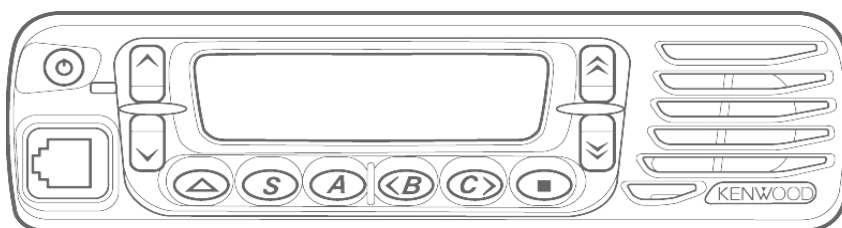
DC cable, spare fuse, mounting bracket & hardware,
 KMC-35 microphone
 English/Spanish Instruction Manual

TRUNKED ZONES

512 GID (CH & GID max. capacity per radio)
 128 Zones max. per radio
 250 GID max. per Trunked Zone
 GID Delete/Add
 Full LTR Trunking Features
 LTR Talk Around /Scan Revert Group Display
 System Scan, Group Scan, Auto Search

FLEETSYNC ® (Conv. & Trunked Zones)

FLEETSYNC® or FLEETSYNC® II Compatibility
 PTT ID Digital ANI
 100 ID List Capacity
 Caller ID Display
 Caller ID Stack (last 3 calls)
 Status Messaging
 90 Message List Capacity
 10-79 Custom Dispatch Messages
 ST 98: Man-Down Emergency (portables)
 ST 99: Emergency Status
 ST 88: Emergency Mode Off
 ST 89: Horn Alert Request (mobiles)
 ST 90: Stun radio (No TX)
 ST 91: Stun radio (No TX / No RX audio)
 ST 92: Turn off Stun
 ST 93- ACK stun is ON
 ST 94- ACK stun is OFF
 ST 80- No Such Status Programmed Response
 ST 81-87, 95-97 (Reserved for future use)
 Selective Call
 Short Text Messages (stored/display)
 Long Text Message (requires KDS-100, KCT-40)
 Power On/Off Status Messages
 AUX Input/Output Status Messages (3 each)
 FleetSync GPS Ready (NMEA Input)
 FleetSync GPS Data Storage (requires VGS-1)
 FleetSync PC Serial Interface (DB-25)



Accessories for the TK-7180/8180 Series Radios

Model	Description	Dealer	List
MOBILE INSTALLATION ACCESSORIES			
KAP-2	Horn Alert/P.A. Relay Option	36.00	60.00
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	7.80	13.00
KCT-40	KGP-2A/2B & KDS-100 Radio Interface Cable	16.60	28.00
KCT-36	KCT-34/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	24.00	39.50
KMB-10	Key lock adapter (for both KMB-4 & 6)	15.00	25.00
	Mobile mounting bracket (same as supplied): see service manual for part number		
KRK-10	Remote Control Kit for TK-7180/8180 (a remote control cable (23 ft) is included)	60.00	100.00
CONTROL STATION INSTALLATION ACCESSORIES			
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00
KPS-10A	Regulated DC power supply (20-Series mobile; gray color; 110VAC)	125.00	209.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) Compatible with medium & high power compact mobiles only.	99.00	167.00
MICROPHONES AND SPEAKERS			
KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	25.20	42.00
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (NOTE: requires and installed KAP-2 PA/HA unit!)	35.00	59.00
KMC-35	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied with radio	30.00	50.00
KMC-36	Standard dynamic mobile microphone with DTMF keypad (8-pin mod. plug)	54.00	90.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00
FLEETSYNC MOBILE DATA TERMINAL See the KDS-100 price pages for detailed information			
KDS-100	FleetSync™ Data Terminal- Includes mounting bracket, mounting hardware and DC Cable Note: 80-Series mobiles require the FleetSync Enhanced option enabled. KCT-34 Radio Interface cable is required. Use a KCT-36 9.8 ft. for an extension cable	357.00	595.00
KCT-40	KGP-2A/2B & KDS-100 Radio Interface Cable	16.60	28.00
KCT-36	KCT-34/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
AVL UNITS See the AVL price pages for detailed information			
KGP-2A	GPS Receiver / Modem Unit (includes one dash-mount GPS antenna, mounting bracket, screw set)	315.00	525.00
KGP-2B	Base Modem Unit Note: A KGP-2A/2B AVL system requires aftermarket AVL mapping dispatch software -see AVL price pages	135.00	225.00
KPG-73D	Programming Software for KGP-2A/2B Windows™ 95/98/Me	59.00	99.00
KCT-40	KGP-2A/2B & KDS-100 Radio Interface Cable	16.60	28.00
KCT-36	KCT-34/40 Extension Cable; 117.6 inches (9.8 ft)	25.00	42.00
OPTION MODULES			
VGS-1	Voice Guide and Storage Unit For VGS-1 install- order L-962 Easy Option Port compatible (180-Series 26-pin type)	50.00	72.00
QE-2	G-Star® or MDC1200 ANI Board : PTT ANI & Emergency For G-Star install-order L-901. For MDC-1200 install order L-902. Encryption/ANI Port compatible (hardwire PCB solder land interface; NOT Easy Option Port compatible)	76.80	128.00

QE-2 G-Star®/ MDC1200 Digital ANI Boards by Cimarron Technologies

Pre-programmed & installed boards require a completed "QE-2 Information and Order Sheet" (available from Kenwood LMR Order Desk) subm with order

Notes:

- Orders are only accepted on new radio purchases.
- Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).
- QE-2 Programmers are NOT available from Kenwood. Purchase model QPF-2, direct from Cimarron Technologies Call 800-487-7184
www.cimtechcorp.com

Encryption Boards

The radios Encryption/ANI Port (PCB hardwire solder lands) is designed to interface with the typical aftermarket encryption and ANI boards. This radio supports the interface required for boards from the following manufacturer(s); contact the manufacturer for product information and Kenwood radio model application notes:

Transcrypt Secure Technologies

3900 NW 12th Street, Suite 200
Lincoln, NE 68521
Phone: 800-228-0226
website: www.transcryptsecure.com

Accessories for the TK-780/880 Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
SERVICE RELATED ACCESSORIES			
KPG-46	Mobile Programming interface cable (for 8-pin modular mic jack mobiles)	109.00	N/A
KPG-89DK	Windows® Programming Software for TK-2180/3180/7180/8180 (98, ME, 2000 & XP compatible)	59.00	N/A
Call Kenwood Parts at 800-367-7514 to order the following:			
E30-3382-05	Clone cable	\$6.64	\$11.28
J29-0662-03	Mounting bracket for TK-7180/8180--- same as supplied w/ radio (order N99-2039-05 for mounting screw set)		

Installation / Tuning Charges for the TK-7180/8180 Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-965	Tune TK-7180/8180	22.50	37.50
L-962	Install VGS-1 Voice Guide & Storage Unit Note: VGS-1 installation precludes any ANI or encryption board installation in the Easy Option Port.	15.00	25.00
L-966	Install KAP-2 PA/HA Unit Note: uses dedicated internal plug-in connections; not the Easy Option Port connections.	15.00	25.00
L-901	Program and install QE-2 MDC1200 Encoder	45.00	75.00
L-902	Program and install QE-2 G-Star® Encoder	45.00	75.00
L-968	Assemble TK-7180/8180 with KRK-10 Remote Kit	25.00	42.00

Land-Mobile Price List

TK-190
Low Band Portable

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
VHF	Heavy-duty Spring-action Belt Clip, Channel Selector Mechanical stop and dressing plate included. Antenna and Battery not included.		
TK-190K	VHF Low Band 29.7 – 37.0 MHz 6W, 16 Channels	\$385.00	\$642.00
TK-190K2	VHF Low Band 35.0 – 50.0 MHz 6W, 16 Channels	385.00	642.00

TK-190 FEATURES:



16 Channels
6 W Transmitter Power Output
Seven Character Alphanumeric LCD
Two Digit Channel Display
Two Color Tri-State LED
Mechanical Channel Selector with Stops
Volume Knob
Programmable Power Per Channel
MIL-STD 810 C, D, & E
Weather-Sealed Accessory Connector
Die-Cast Chassis
Noise-Canceling Internal Microphone
MIL-STD Noise Canceling Speaker Mic
High/Low Volume Feature
Single Priority Scan
Home Channel
Programmable Toggle Switch
Five Programmable Radio Keys
Two Programmable Speaker Mic Keys
Key Lock

Two Tone Decode
DTMF Decode
DTMF Dead Beat Disable (DBD)
DTMF PTT ANI Encode
QT/DQT Tone/Digital Coded Squelch
Operator Selectable Tone QT/DQT)
Encryption Board Port/Control
Digital ANI Board Port/Control
Emergency Key & Call Channel Features
Data Password
Cloning
PC Programming and Tuning
Flash ROM
Intrinsically Safe Option
Unavailable frequencies:

TK-190K (29.7 - 37.0 MHz model): 33.60 MHz
TK-190K2 (35.0 - 50.0 MHz model): 42.00 MHz

Included Items

Spring Action Belt Clip
Instruction Manual

Important Notice
Regarding the TK-190 Model Radios!

Use only a dealer- adjusted Kenwood KRA-21 antenna with this TK-190 transceiver.

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 ene on the metal portions of your radio, which could make the transceiver uncomfortable to handle when transmitting.

When transmitting, if your hand feels uncomfortable, contact your Kenwood dealer for a transceiver inspection, and possible antenna replacement.

Accessories for the TK-190 Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
ANTENNAS			
KRA-21 ¹	Tunable VHF Low Band helical antenna 29.7-50MHz. (Note: Antenna band width is 1 MHz.)	\$24.00	\$40.00
BATTERIES AND CHARGERS			
KNB-17A	1500 mAh, 7.2 VDC (4/5W), Nicad battery	40.00	67.00
KNB-17BK ²	Intrinsically Safe Battery 1500 mAh, 7.2 VDC (4/5W), NiCd battery [I.S. Certified]	60.00	100.00
KNB-21N ⁷	1600 mAh NiMH (more than 10 hours life @ 5-5-90) - requires KSC-24 charger Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	36.00	60.00
KNB-22N ⁷	2100 mAh NiMH (more than 13 hours life @ 5-5-90) - requires KSC-24 charger Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	42.00	70.00
KBP-4 ³	AA Alkaline Refillable Battery Pack for TK-190/290/390/280/380 (12 AA Alkaline 9V) Battery cells not incl.	24.60	41.00
KMB-14	Six Unit Charger Adapter for the KSC-15/16/17/18/19 (chargers not included)	99.00	165.00
KMB-16	Six Unit Charger Adapter for the KSC-20/24/25 rapid rate (chargers not included)	99.00	165.00
KSC-19	Regular rate single unit desk charger for KNB-16/17A/17B	21.00	35.00
KSC-19M	220 volt regular rate single unit desk charger for KNB-16/17A/17B	21.00	35.00
KSC-24	110 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KSC-24E	220 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15,17,19 (chargers not included)	36.00	60.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16,18,20,24,25 (chargers not included)	48.00	80.00
KVC-5A	Vehicular D.C. Charger for 80/90 Series Portables Note: Compatible with the KNB-16/17A/17B/21N/22N (Replacement for KVC-5)	204.00	340.00
CARRYING ACCESSORIES			
KBH-8 ⁵	Spring action belt clip (See important instructions below)	4.80	8.00
KBH-8DS ⁵	Swivel belt loop with D-Ring	15.00	25.00
KLH-6SW	Swivel belt loop / detachable swivel back for KLH-58/60/70/71/75/76/78/79/83/112	12.60	21.00
KLH-78B	Heavy duty leather carrying case for TK-190/290/390	25.20	42.00
KLH-88	Cordura Nylon carrying case for TK-190/290/390	15.00	25.00
MICROPHONE AND SPEAKERS			
KCT-30 ²	2.5mm Audio Accessory Adapter	36.60	61.00
KEP-1 ²	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker Mics (Black only) [I.S. Certified]	30.00	50.00
KEP-3 ²	Earphone kit w/ 2.5mm plug for KCT-30, 30" Cable (black) [I.S. Certified]	29.40	49.00
KEP-4 ²	Earphone kit w/ 2.5mm plug for KCT-30, 48" Cable (black) [I.S. Certified]	31.20	52.00
KHS-11BE ²	2-wire palm mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	89.40	149.00
KHS-11BL ²	2-wire palm mic w/earphone, universal connector (Black) [I.S. Certified]	89.40	149.00
KHS-12BE ²	3-wire mini lapel mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	105.00	175.00
KHS-12BL ²	3-wire mini lapel mic w/earphone, universal connector (Black) [I.S. Certified]	105.00	175.00
KHS-14 ²	Lt. Wt. Single muff headset w/boom mic & In-line PTT, universal connector (Blk) [I.S. Certified]	72.00	120.00
KHS-15-BH ²	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db; [See Note B] [I.S. Certified]	240.00	400.00
KHS-15-OH ²	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db [See Note B] [I.S. Certified]	210.00	350.00
Note A: "Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time.			
Note B: Heavy-duty headsets; Allow min. 4 weeks delivery time.			
KMC-25A ^{2,6}	MIL-SPEC, Noise canceling Speaker mic (For TK-190 low band use) [Pending I.S. Certification]	55.20	92.00

Accessories for the TK-190 Series Radios

Model	Description	Dealer	List
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QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired G-Star (L-901) or MDC-1200 (L-902) ANI format labor code.
 2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
 3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk
- All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).
- a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
 - b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).
Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarron Technologies Call 800-487-7184
www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down Important: Kenwood factory Install Only –Order L-901 or L-902 [I.S. Certified]	76.80	128.00
CAE-3 ²	Emergency Man-Down Internal Tilt Switch (mercury switch) [Factory Install Only – Must order L-845]. The CAE-3 is only sold for use w/Cimarron ANI Option modules for man-down emergency. Note: Not Sold, Installed without QE-2. [I.S. Certified]	12.60	21.00

Transcrypt Secure Technologies Encryption

The following Transcrypt Secure Technologies encryption accessories (available from Transcrypt) and TK-190/290/290 combination when installed according to Transcrypt instructions meet Intrinsically Safe Classes I, II & III, Div.1, Groups C, D,E, F & G hazardous locations and Non-Incendive Class I, Div. 2, Groups C, D hazardous locations:

- SC20-400
- SC20-416-12
- SC20-430-12
- SC20-460-12
- SC20-DES

For more information on Transcrypt encryption please visit their website at www.transcryptsecure.com or contact them at:

Transcrypt Secure Technologies

4800 NW 1st Street, Suite 100
Lincoln, NE 68521
Phone: 402-474-4800
Fax: 402-479-8472

SERVICE RELATED ACCESSORIES

KPG-36	Programming interface cable	\$53.00	N/A
KPG-59D	Program Software for TK-190/6110 (Version 2.00)	39.00	N/A
*****	Call Kenwood Parts at 800-367-7514 to order the following:		
E30-3325-05	Portable-to-Portable Cloning cable (For TK-290/390/480/481 Only)	45.00	65.00

Installation / Tuning Charges for the TK-190 Series Radios

Model	Description	Dealer	List
L-825	Assemble KMB-14 with six KSC-19's	9.00	15.00
L-835	Configure TK-190/290/390 for Intrinsically Safe (Must Order KNB-17BK) Note: Please see end of this pricepages section for a list of Intrinsically Safe Accessories for this radio.	42.00	70.00
L-836	Assemble KMB-16 with six KSC-20's/24's	9.00	15.00
L-837	Install KNB-17A/17BK battery	0.00	0.00
L-845	Install CAE-3 (portable only)	5.00	9.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	30.00	50.00
L-901	Program and install QE-2 MDC1200 Encoder	45.00	75.00
L-902	Program and install QE-2 G-Star® Encoder	45.00	75.00
L-911	Tune TK-190/TK-6110	15.00	25.00
L-914	Cut KRA-21 Low Band Antenna	6.00	10.00

IMPORTANT INSTRUCTIONS

¹KRA-21 Antenna Caution- the TK-190 antenna must be cut per the antennas cutting chart and instructions. Failure to do so will result in a poorly matched antenna, poor performance and most probably excessive and damage in the transmitters final power amplifier circuit. The antenna bandwidth is only 1 MHz. The KRA-21 low band antenna can be between 6 to 12 inches long (dependent on frequency cut). It is recommended that a KLH-6SW leather swivel belt loop with a KLH-78 or KLH-90 carrying case be used to provide the greatest comfort, freedom of movement (especially when entering or exiting vehicles) and for better transmit and receive performance. When using a KMC-25A speaker microphone, tilting the radio slightly to provide a minimum 4" spacing between the wearers body and the tip of the KRA-21 antenna will optimize receive and transmit performance. A KLH-6SW swivel loop and KLH-78/90 carrying case can help facilitate this orientation.

² **Important Note Regarding Intrinsically Safe Certification:** Using an Intrinsically Safe battery on a radio does not constitute an Intrinsically Safe (I.S.) radio. All Kenwood I.S. radios must be certified at Kenwood by inspection, logging & proper labeling. The appropriate I.S. labor code must be specified on all I.S. radio orders and the proper model I.S. battery must be used with the radio. Kenwood I.S. batteries can be purchased separately for existing Kenwood certified I.S. radios. Intentionally or inadvertently representing a Kenwood radio as I.S. without proper Kenwood certification can result in serious safety and/or legal liability issues for your company. **For intrinsically safe models TK-[190]/280/380/290/390/480/481: Meets Intrinsically Safe Classes I, II & III, Div. 1, Groups C, D, E, F, G hazardous locations and Non-Incendive Class I, Div. 2, Groups C, D hazardous locations.**

³ AA refillable packs DO NOT meet any of the MIL-STD environmental standards, nor are they water-resistant or Intrinsically Safe approved.

Actual battery life is dependent on battery condition, type, quality, temperature, and use habits. Alkalines exhibit non-linear voltage vs. current drain characteristics, therefore radio transmit power will lower and decrease during transmit and as the battery is drained. Nominal Life (hrs.) 5-5-90 duty cycle, battery save off, scan off. See chart below:

Transmit Power	1W	2W	4/5W
Nominal Battery Life (hrs.)	18	11.5	4

⁴ **KVC-5 & KVC-6 has the following features:** Accommodates Speaker/Microphones of KMC-25/26 (for KVC-5), and KMC-17/21 (for KVC-6), with retainer brackets; Rapid Charge LED (red) -- "on" when portable radio is properly seated and battery is in rapid charge mode, Trickle Charge LED (green) -- "on" when the battery is fully charged and the charger is in the trickle charge mode, repeat enable LED (yellow) -- "on" when the Automatic Enable switch is on and the portable is removed (it goes "off" when portable is inserted), and Automatic Repeat Enable Switch (activates the vehicular repeater units, e.g. Pyramid Communications brand SVR units). Note: These units are ONLY charger units. They are NOT vehicular adapters with RF, P.A., AF P.A., antenna connector, speaker & mobile hand mic. (a.k.a.; "console", "vehicular console", "convert-a-com", "jerk & run").

⁵ Retain the screws included with the metal belt clip (included with radio). These are required to attach the KBH-8 or KBH-8DS. Screws also available from Parts Dept.: Part # N99-2004-05.

⁶ KMC-25 is not compatible with the TK-190 due to the effects of RF on it at low band frequencies; the KMC-25A is the compatible model. The KMC-26 Speaker microphone with antenna connector CANNOT be used due to the inadequate ground plane properties on a speaker microphone at low band frequencies (the TK-190 does not have an RF pin on its accessory connector).

⁷ **Important Note regarding KNB-21N/22N:**

- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
- NiMH batteries capacity life is slightly lower than NiCd: **NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles**

Land-Mobile Price List

TK-260G/360G

Compact VHF / UHF Synthesized Portable Radios

Model	Description	Dealer	List
VHF			
<i>Antenna, battery and charger not included with -GK models; Spring Action Belt Clip included</i>			
TK-260GK	150-174 MHz 5W, 8 Ch.	\$160.00	\$266.00
TK-260GK2	136-150 MHz 5W, 8 Ch.	\$160.00	\$266.00
UHF			
<i>Antenna, battery and charger not included with -GK models; Spring Action Belt Clip included</i>			
TK-360GK	450-470 MHz 4W, 8 Ch.	160.00	266.00
TK-360GK2	470-490 MHz 4W, 8 Ch.	160.00	266.00
TK-360GK3	490-512 MHz 4W, 8 Ch.	160.00	266.00
TK-360GK4	403-430 MHz 4W, 8 Ch.	160.00	266.00

TK-260G/360G FEATURES:



8 Channel Capacity
 12.5/15 or 25/30 kHz Channel Spacing
 12.5 / 25 kHz Channel Spacing (per channel)
 MIL-STD 810 C, D, & E
 High /Low Power per Channel
 Built-in Companded Audio
 QT/DQT
 2-Tone Decode & Encode
 DTMF ANI Encode
 DTMF Auto-Dial Memory
 Smart Trunk II Omni Option
 Key Lock Feature
 Busy Channel Lockout



Talk Around
 Time Out Timer
 Built-in Speaker Mic jack
 2 Color LED indicators
 Power Saver Mode
 Low Battery Alert
 PC Tuning
 Flash ROM
 TK-260/260G/360/360G Intrinsically
 Safe Models Not Available
 Frequency Coordination Capability⁵

Includes:
 KBH-8 Spring Action Belt Clip

Accessories for the TK-260G/360G Series Radios

Model	Description	Dealer	List
ANTENNAS			
KRA-14M	VHF helical antenna 148-162 MHz	\$10.20	\$17.00
KRA-14M2	VHF helical antenna 162-174 MHz	10.20	17.00
KRA-14M3	VHF helical antenna 136-150 MHz	10.20	17.00
KRA-15AM	UHF whip antenna 450-490 MHz	10.20	17.00
KRA-15AM2	UHF whip antenna 470-512 MHz	10.20	17.00
KRA-15AM3	UHF whip antenna 403-430 MHz	10.20	17.00
KRA-16M	VHF stubby antenna 148-162 MHz	7.80	13.00
KRA-16M2	VHF stubby antenna 162-174 MHz	7.80	13.00
KRA-16M3	VHF stubby antenna 136-150 MHz	7.80	13.00
KRA-17M	UHF stubby antenna 450-490 MHz	7.80	13.00
KRA-17M2	UHF stubby antenna 470-512 MHz	7.80	13.00
KRA-17M3	UHF stubby antenna 403-430 MHz	7.80	13.00
BATTERIES AND CHARGERS			
KBP-1	KNB-14 size 6 cell AA Alkaline pack, black (alkalines not incl.) For 1 Watt Use Only @ 4 hrs. 5-5-90 duty	12.00	20.00
KNB-14	600 mAh, 7.2 VDC (4/5W), Nicad battery	22.00	37.00
KNB-15A	1100 mAh, 7.2 VDC (4/5W) extended capacity Nicad battery	28.00	47.00
KNB-20N ⁶	1600 mAh NiMH, 11 hours life @ 5-5-90 (KSC-24 charger required) Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	28.00	47.00
KMB-14	Six Unit Charger Adapter for the KSC-15/16/17/18/19 (chargers not included)	99.00	165.00
KMB-16	Six Unit Charger Adapter for the KSC-20/24/25 rapid rate (chargers not included)	99.00	165.00
KSC-15	Regular rate single unit desk charger for KNB-14/15	16.80	28.00
KSC-15M	220 volt Regular rate single unit desk charger for KNB-14/15	16.80	28.00
KSC-24	110 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KSC-24E	220 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15,17,19 (chargers not included) Note: NOT compatible with NiMH batteries (KNB-20N/21N/22N); Compatible w/NiCd batteries	36.00	60.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16,18,20, 24 (chargers not included) Note: Compatible with NiMH batteries (KNB-20N/21N/22N with KSC-24) & NiCd batteries	48.00	80.00
KVC-6 ¹	Vehicular D.C. Charger for 60/60G/70/70G/72G/73G Portables Note: The KVC-6 is NOT compatible with the KNB-20N NiMH battery; it is only compatible w/NiCd battery packs. A new model, KVC-6A, for both NiCd & NiMH batteries ETA TBD.	204.00	340.00
CARRYING ACCESSORIES			
KBH-8 ²	Spring action belt clip - Same as Supplied (See Important Note 2 below)	4.80	8.00
KBH-8DS ²	Swivel belt loop with D-Ring	15.00	25.00
KLH-58BC	Bungi-cord for KLH-58/60/70/71/75/76	2.10	3.50
KLH-70B	Heavy duty carrying case w/bungi-cord for TK-260/260G/360/360G	25.20	42.00
KLH-87	Cordura nylon carrying case (black) for TK-260/260G/360/360G	15.00	25.00
KLH-6SW	Swivel belt loop / detachable swivel back for KLH-58/60/70/71/75/76/78/79/83/112	12.60	21.00
KWR-1	Water resistant bag	17.00	29.00
INSTALLATION ACCESSORIES			
ST-865KW4 ³	SmarTrunk II™ Logic Board	69.00	115.00
SmarTrunk II™ is a registered trademark of SmarTrunk Systems Inc.			

Accessories for the TK-260G/360G Series Radios Cont'd...

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
MICROPHONE AND SPEAKERS			
KEP-2	2.5mm earphone kit for KMC-17 Speaker Mics (Black only). [KEP-2 & KMC-21 are not plug-compatible].	\$30.00	\$50.00
KHS-1	Headset with VOX/PTT (light-duty use)	37.20	62.00
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db	210.00	350.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db	192.00	320.00
KHS-7	Single muff headset w/boom mic (black)	40.00	67.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT (black)	60.00	100.00
KHS-8BE	Two-Wire palm mic w/earphone (beige)	59.00	99.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	59.00	99.00
KHS-9BE	Three-Wire lapel mic w/earphone (beige)	95.00	159.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	95.00	159.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver; low profile wire head band; VOX-ready (radio must have VOX feature)	23.40	39.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	31.75	53.00
KMC-17	Speaker microphone (Built-in 2.5mm miniature earphone jack)	49.20	82.00
KMC-21	Compact speaker microphone	29.40	49.00
SERVICE RELATED ACCESSORIES			
KPG-22	Programming interface cable (powered by P.C.s serial port)	109.00	N/A
KPG-56D	Programming Software for (TK-260G/270G/360G/370G) "G" Models Only	39.00	N/A
***** Call Kenwood Parts at 800-367-7514 to order the following:			
C807027-05	KHS-7 Foam mic windscreen, 5 pcs per pack	4.50	6.80
C807028-05	KHS-7 Foam ear cushion, 2 pcs per pack	4.00	6.50
C100733	KHS-8/9 Noise attenuating kit, 1 set per pack (Foam ear tips pieces)	2.50	4.00
C100693-2	KHS-8BL/9BL Acoustic tube replacement kit, black	12.00	16.35
C100693-19	KHS-8BE/9BE Acoustic tube replacement kit, beige (Clear coiled tubing)	12.00	16.35
C100569-2	KHS-8BL/9BL Replacement eartips, 10 per pack, black	16.66	27.48
C100569-19	KHS-8BE/9BE Replacement eartips, 10 per pack, beige (Recommended for sanitary purposes)	8.50	10.00
C100784 ⁴	KHS-7/8/9 Accessory clamp* (For TK-360 only)	5.00	6.50
E05-0256-25	Screw Mount-to-BNC Adapter	13.00	14.80

Installation / Tuning Charges for TK-260G/360G Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-804	Tune TK-260/260G/360/360G	\$15.00	\$25.00
L-805	Install KNB-14/15A Battery	0.00	0.00
L-820	Assemble KMB-14 with six KSC-15's (120 volt versions only!)	9.00	15.00
L-821	Assemble KMB-14 with six KSC-16's (120 volt versions only!)	9.00	15.00
L-836	Assemble KMB-16 with six KSC-20's/KSC-24's	9.00	15.00
L-909	Install ST-865KW4 (in 60G/70G portables)	12.00	20.00

IMPORTANT NOTES:

¹ **KVC-5 & KVC-6 has the following features:** Accommodates Speaker/Microphones of KMC-25/26 (for KVC-5), and KMC-17/21 (for KVC-6), with retainer brackets; Rapid Charge LED (red) -- "on" when portable radio is properly seated and battery is in rapid charge mode, Trickle Charge LED (green) -- "on" when the battery is fully charged and the charger is in the trickle charge mode, repeat enable LED (yellow) -- "on" when the Automatic Enable switch is on and the portable is removed (it goes "off" when portable is inserted), and Automatic Repeat Enable Switch (activates the vehicular repeater units, e.g. Pyramid Communications brand SVR units). Note: These units are ONLY charger units. They are NOT vehicular adapters with RF, P.A., AF P.A., antenna connector, speaker & mobile hand mic. (a.k.a.; "console", "vehicular console", "convert-a-com", "jerk & run").

² Retain the screws included with the metal belt clip (included with radio). These are required to attach the KBH-8 or KBH-8DS. Screws also available from Parts Dept.: Part # N35-2610-45 (for TK-260/360 & Part #N99-2012-05 for TK-260G/360G).

³ ST-865KW4/ST-909 - compatible with production lots starting Feb. 2000; Serial number 111xxxxx or higher (carton stamped "D"). These are not replacements for the ST-865KW2/ST-908 SmarTrunk II products for the 60/62-Series mobiles and 60/70-Series portables. For detailed information on SmarTrunk II- Kenwood radio features and logic controller information visit SmarTrunk Inc.'s web site for informative downloads such as the "ST-865KW4 SmarTrunk II Installation and Operation Manual for Kenwood "G" Series Transceivers" and the SmarTrunk II Digital Trunking System - System Overview manual.

⁴ The radio connector plug on the KHS-7/8/9 accessories are larger than other Kenwood audio accessories. If needed, these clamps can be used as replacements for the standard retainer clamp that comes with the portable radio.

⁵ Frequency Coordination Capability Notes: The new 60G/70G series portable as well as all other Kenwood analog FM radio equipment are not designed to reject frequencies at less than 12.5 kHz (UHF) or 15 kHz (VHF) spaced from older channels:

UHF: 12.5/25 kHz channel spacing (5, 6.25, 7.5 kHz PLL Ch. Stepping)

VHF: 15/30 kHz channel spacing (2.5, 5, 6.25, 7.5 kHz PLL Ch. Stepping)

Please note that the channel stepping capability only means the radio is programmable to most all the available FCC frequencies, however the receiver and transmitter are only designed to operate in the aforementioned channel spacing environments. It should be especially noted that the new VHF interstitial offset channels created by FCC PLMR band "refarming" are 7.5 kHz offset from original channels. These 7.5 kHz interstitial offset channels are overlapped by the occupied bandwidth of both the next higher and lower adjacent channels. Therefore, these channels require very careful adjacent channel frequency coordination. Licensees should question any coordination recommendation for the VHF High Band 7.5 kHz offset interstitial frequencies especially if they are located in or around a metropolitan area with heavy VHF usage.

⁶ **Important Note regarding KNB-20N:**

- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
- NiMH batteries capacity life is slightly lower than NiCd: **NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles**

Land-Mobile Price List

TK-270G/370G
Compact VHF / UHF Synthesized Portable Radios

Model	Description	Dealer	List
VHF			
<i>Antenna, battery, and charger not included; Spring Action Belt Clip included.</i>			
TK-270GK	150-174 MHz 5W, 128 Ch. Built-in DTMF	\$275.00	\$459.00
TK-270GK2	136-150 MHz 5W, 128 Ch. Built-in DTMF	275.00	459.00
UHF			
<i>Antenna, battery, and charger not included; Spring Action Belt Clip included.</i>			
TK-370GK	450-470 MHz 4W, 128 Ch. Built-in DTMF	275.00	459.00
TK-370GK2	470-490 MHz 4W, 128 Ch. Built-in DTMF	275.00	459.00
TK-370GK3	490-512 MHz 4W, 128 Ch. Built-in DTMF	275.00	459.00
TK-370GK4	403-430 MHz 4W, 128 Ch. Built-in DTMF	275.00	459.00

TK-270G/370G FEATURES:



128 Channel Capacity
 Scan with Priority
 8 Character Alpha Display
 Back-lit Keypad
 Operator Selectable QT/DQT (OST)
 12.5/15 or 25/30 kHz Channel Spacing
 12.5 / 25 kHz Channel Spacing (per channel)
 MIL-STD 810 C, D, & E
 High /Low Power per Channel
 Built-in Companded Audio
 QT/DQT
 2-Tone Decode & Encode
 DTMF ANI Encode
 DTMF Auto-Dial Memory
 Smart Trunk II Omni Option
 Key Lock Feature
 Busy Channel Lockout
 Talk Around
 Time Out Timer
 Built-in Speaker Mic jack
 2 Color LED indicators
 Power Saver Mode
 Low Battery Alert
 PC Tuning
 Flash ROM
 TK-270G/360G Intrinsically Safe Models Not Available
 Frequency Coordination Capability4

Accessories for the TK-270G/370G Series Radios

Model	Description	Dealer	List
ANTENNAS			
KRA-14M	VHF helical antenna 148-162 MHz	\$10.20	\$17.00
KRA-14M2	VHF helical antenna 162-174 MHz	10.20	17.00
KRA-14M3	VHF helical antenna 136-150 MHz	10.20	17.00
KRA-15AM	UHF whip antenna 450-490 MHz	10.20	17.00
KRA-15AM2	UHF whip antenna 470-512 MHz	10.20	17.00
KRA-15AM3	UHF whip antenna 403-430 MHz	10.20	17.00
KRA-16M	VHF stubby antenna 148-162 MHz	7.80	13.00
KRA-16M2	VHF stubby antenna 162-174 MHz	7.80	13.00
KRA-16M3	VHF stubby antenna 136-150 MHz	7.80	13.00
KRA-17M	UHF stubby antenna 450-490 MHz	7.80	13.00
KRA-17M2	UHF stubby antenna 470-512 MHz	7.80	13.00
KRA-17M3	UHF stubby antenna 403-430 MHz	7.80	13.00
BATTERIES AND CHARGERS			
KBP-1	KNB-14 size 6 cell AA Alkaline pack, black (alkalines not incl.) For 1 Watt Use Only @ 4 hrs. 5-5-90 duty	12.00	20.00
KNB-14	600 mAh, 7.2 VDC (4/5W), Nicad battery	22.00	37.00
KNB-15A	1100 mAh, 7.2 VDC (4/5W) extended capacity Nicad battery	28.00	47.00
KNB-20N ⁵	1600 mAh NiMH, 11 hours life @ 5-5-90 (KSC-24 charger required) Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	28.00	47.00
KMB-14	Six Unit Charger Adapter for the KSC-15/16/17/18/19 (chargers not included)	99.00	165.00
KMB-16	Six Unit Charger Adapter for the KSC-20/24/25 rapid rate (chargers not included)	99.00	165.00
KSC-15	Regular rate single unit desk charger for KNB-14/15	16.80	28.00
KSC-15M	220 volt Regular rate single unit desk charger for KNB-14/15	16.80	28.00
KSC-24	110 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KSC-24E	220 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15,17,19 (chargers not included) Note: NOT compatible with NiMH batteries (KNB-20N/21N/22N); Compatible w/NiCd batteries	36.00	60.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16,18,20, 24,25 (chargers not included) Note: Compatible with NiMH batteries (KNB-20N/21N/22N with KSC-24) & NiCd batteries	48.00	80.00
KVC-6 ¹	Vehicular D.C. Charger for 60/60G/70/70G/72G/73G Portables Note: The KVC-6 is NOT compatible with the KNB-20N NiMH battery; it is only compatible w/NiCd battery packs. A new model, KVC-6A, for both NiCd & NiMH batteries ETA TBD.	204.00	340.00
CARRYING ACCESSORIES			
KBH-8 ²	Spring action belt clip (See important instructions below) - Same as Supplied+B108	4.80	8.00
KBH-8DS ²	Swivel belt loop with D-Ring	15.00	25.00
KLH-58BC	Bungi-cord for KLH-58/60/70/71/75/76	2.10	3.50
KLH-6SW	Swivel belt loop / detachable swivel back for KLH-58/60/70/71/75/76/78/79/83/112	12.60	21.00
KLH-71C	Heavy duty carrying case w/bungi-cord for TK-270/270G/370/370G	25.20	42.00
KLH-98	Cordura nylon carrying case w/swivel beltloop (black) for TK-270/270G/370/370G	21.00	35.00
KWR-1	Water-Resistant Bag	17.00	29.00
INSTALLATION ACCESSORIES			
ST-865KW4 ³	SmarTrunk II™ Logic Board (for 60G/70G/72G portables & 62G/60G mobiles)	69.00	115.00
SmarTrunk II™ is a registered trademark of SmarTrunk Systems Inc.			

Accessories for the TK-270G/370G Series Radios Cont'd...

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
MICROPHONE AND SPEAKERS			
KEP-2	2.5mm earphone kit for KMC-17 Speaker Mics (Black only).	\$30.00	\$50.00
KHS-1	Headset with VOX/PTT (light-duty use)	37.20	62.00
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db	210.00	350.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db	192.00	320.00
KHS-7	Single muff headset w/boom mic (black)	40.00	67.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT (black)	60.00	100.00
KHS-8BE	Two-Wire palm mic w/earphone (beige)	59.00	99.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	59.00	99.00
KHS-9BE	Three-Wire lapel mic w/earphone (beige)	95.00	159.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	95.00	159.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver; low profile wire head band; VOX-ready (radio must have VOX feature)	23.40	39.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	31.75	53.00
KMC-17	Speaker microphone (Built-in 2.5mm miniature earphone jack)	49.20	82.00
KMC-21	Compact speaker microphone	29.40	49.00
SERVICE RELATED ACCESSORIES			
KPG-22	Programming interface cable (powered by P.C.s serial port)	109.00	N/A
KPG-56D	Programming Software for 60G/70G/72G Portables & 60G/62G Mobiles Models Only	39.00	N/A
***** Call Kenwood Parts at 800-367-7514 to order the following:			
C807027-05	KHS-7 Foam mic windscreen, 5 pcs per pack	4.50	6.80
C807028-05	KHS-7 Foam ear cushion, 2 pcs per pack	4.00	6.50
C100733	KHS-8/9 Noise attenuating kit, 1 set per pack (Foam ear tips pieces)	2.50	4.00
C100693-2	KHS-8BL/9BL Acoustic tube replacement kit, black	12.00	16.35
C100693-19	KHS-8BE/9BE Acoustic tube replacement kit, beige (Clear coiled tubing)	12.00	16.35
C100569-2	KHS-8BL/9BL Replacement eartips, 10 per pack, black	16.66	27.48
C100569-19	KHS-8BE/9BE Replacement eartips, 10 per pack, beige(Recommended for sanitary purposes)	8.50	10.00
E05-0256-25	Screw Mount-to-BNC Adapter	13.00	14.80

Installation / Tuning Charges for TK-270G/370G Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-804	Tune TK-270/270G/370/370G/373G	\$15.00	\$25.00
L-805	Install KNB-14/15A Battery	0.00	0.00
L-820	Assemble KMB-14 with six KSC-15's (120 volt versions only!)	9.00	15.00
L-836	Assemble KMB-16 with six KSC-20's/KSC-24's	9.00	15.00
L-909	Install ST-865KW4 (in 60G/70G/72G portables)	12.00	20.00

IMPORTANT INSTRUCTIONS

¹ **KVC-5 & KVC-6 has the following features:** Accommodates Speaker/Microphones of KMC-25/26 (for KVC-5), and KMC-17/21 (for KVC-6), with retainer brackets; Rapid Charge LED (red) -- "on" when portable radio is properly seated and battery is in rapid charge mode, Trickle Charge LED (green) -- "on" when the battery is fully charged and the charger is in the trickle charge mode, repeat enable LED (yellow) -- "on" when the Automatic Enable switch is on and the portable is removed (it goes "off" when portable is inserted), and Automatic Repeat Enable Switch (activates the vehicular repeater units, e.g. Pyramid Communications brand SVR units). Note: These units are ONLY charger units. They are NOT vehicular adapters with RF, P.A., AF P.A., antenna connector, speaker & mobile hand mic. (a.k.a.; "console", "vehicular console", "convert-a-com", "jerk & run").

² Retain the screws included with the metal belt clip (included with radio). These are required to attach the KBH-8 or KBH-8DS. Screws also available from Part Dept.: Part # N35-2610-45 (for TK-270/370 & Part #N99-2012-05 Part # N99-2012-05 for 60G/70G/72G Portables.

³ ST-865KW4/ST-909 - compatible with production lots starting Feb. 2000; Serial number 111xxxxx or higher (carton stamped "D"). These are not replacements for the ST-865KW2/ST-908 SmarTrunk II products for the 60/62-Series mobiles and 60/70-Series portables. For detailed information on SmarTrunk II- Kenwood radio features and logic controller information visit SmarTrunk Inc.'s web site for informative downloads such as the "ST-865KW4 SmarTrunk II Installation and Operation Manual for Kenwood "G" Series Transceivers" and the SmarTrunk II Digital Trunking System - System Overview manual.

⁴ Frequency Coordination Capability Notes: The new 60G/70G series portable as well as all other Kenwood analog FM radio equipment are not designed to reject frequencies at less than 12.5 kHz (UHF) or 15 kHz (VHF) spaced from older channels:

UHF: 12.5/25 kHz channel spacing (5, 6.25, 7.5 kHz PLL Ch. Stepping)

VHF: 15/30 kHz channel spacing (2.5, 5, 6.25, 7.5 kHz PLL Ch. Stepping)

Please note that the channel stepping capability only means the radio is programmable to most all the available FCC frequencies, however the receiver and transmitter are only designed to operate in the aforementioned channel spacing environments. It should be especially noted that the new VHF interstitial offset channels created by FCC PLMR band "refarming" are 7.5 kHz offset from original channels. These 7.5 kHz interstitial offset channels are overlapped by the occupied bandwidth of both the next higher and lower adjacent channels. Therefore, these channels require very careful adjacent channel frequency coordination. Licensees should question any coordination recommendation for the VHF High Band 7.5 kHz offset interstitial frequencies especially if they are located in or around a metropolitan area with heavy VHF usage.

⁵ **Important Note regarding KNB-20N:**

- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
- NiMH batteries capacity life is slightly lower than NiCd: **NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles**

Land-Mobile Price List

TK-280/380

VHF / UHF Trunking / Conventional Portable Radios

Model	Description	Dealer	List
VHF	Spring Action Belt Clip included; Antenna, Battery & Charger not included		
TK-280K	146-174 MHz 5W, LTR-32 Systems, CONV-250 CH.	\$310.00	\$517.00
TK-280K3	146-174 MHz 5W, LTR-32 Systems, CONV-250 CH., w/DTMF	330.00	550.00
TK-280K2	136-162 MHz 5W, LTR-32 Systems, CONV-250 CH.	310.00	517.00
TK-280K4	136-162 MHz 5W, LTR-32 Systems, CONV-250 CH., w/DTMF	330.00	550.00
UHF	Spring Action Belt Clip included; Antenna, Battery & Charger not included		
TK-380K	450-490 MHz 4W, LTR-32 Systems, CONV-250 CH.	310.00	517.00
TK-380K4	450-490 MHz 4W, LTR-32 Systems, CONV-250 CH., w/DTMF	340.00	567.00
TK-380K2	470-512 MHz 4W, LTR-32 Systems, CONV-250 CH.	310.00	517.00
TK-380K5	470-512 MHz 4W, LTR-32 Systems, CONV-250 CH., w/DTMF	340.00	567.00
TK-380K3	400-430 MHz 4W, LTR-32 Systems, CONV-250 CH.	310.00	517.00
TK-380K6	400-430 MHz 4W, LTR-32 Systems, CONV-250 CH., w/DTMF	340.00	567.00

TK-280/380 FEATURES:

GENERAL FEATURES

5W VHF / 4W UHF Transmit Power
Wide Band Frequency Ranges
12.5 / 25 kHz Channel Spacing
Programmable Power Per Channel
Companded Audio Per Channel (wide & narrow*)
500 mW Audio Power
Lighted Front Panel Dot Matrix LCD
10 Character Alphanumeric Display
3 Numeric Character Sub-Display
Dot Matrix Lighted LCD
LCD Operational Icons
Two Color Tri-State LED
5 Programmable Function Keys (lighted)
DTMF Keypad Models
Shift Key Function (keypad models)
Optional Speaker Mic (w/ 2 PF Keys)
Recessed Orange Emergency/AUX Key
Encryption/Scrambler Board Control
ANI Board Control
PTT ID Side-Tone (ANI Boards)*
PTT ID TA Inhibit*
Emergency Type (FS, DTMF, ANI Brd.)*
Emergency Calling Feature
Key Lock Feature
DTMF Decode Selective Call
DTMF Deadbeat Disable
DTMF PTT ID & DTMF Emergency ID*
Alert with Transpond (2-Tone, DTMF)*
Call Alert Tone: Mom or Continuous (2-Tone, DTMF & FleetSync)*
Auto-Dial Memory (32 numbers)
Key Lock Feature
Low Battery Alert
Weather-Sealed Accessory Connector
PTT Release Tone

Minimum Volume
Control Tones On/Off
Embedded Message (64 Char.)
Data Password ("Anti-piracy")
Radio Password (Radio Lock)
Clone Capability (enable/disable)
Front Panel Self Programming & Tuning
PC Programming & Tuning (DOS)
Flash ROM Firmware
MIL810 C, D & E (11 categories)
CONVENTIONAL MODE
250 CH (aggregate max.)
Single Priority Scan
Single/Multi-Group Scan
Scan Revert Channel Display
Scan Delete/Add
Nuisance Delete
QT/DQT Encode & Decode
Operator Selectable Tone (16 OST)
2-Tone Decode (A, B, C, A-B, A-C, C-B; 2 decode pairs)*
BCL, BCL Override, TOT & TA

TRUNKED MODE

32 Systems (max.)
Trunked LTR & Conventional Systems
250 Group IDs (aggregate max.)
Single Priority Scan (within any Conv. System only)
LTR Talk Around / Scan Revert Group Display
System Scan & Group Scan / Auto System Search

FLEETSYNC

PTT ID (Digital ANI; 100 ID List capacity*)
- Caller ID Display (per CH; BOT only)*
- Caller ID Stack (last 3 calls)*
Status Messaging (50 Msg. List capacity*)
- 70 Custom Dispatch Messages
- 9 Reserved Special Use Messages

FLEETSYNC CONT.....

ST# 98 - Man Down Emergency (portables)*
ST# 99- Emergency Status
ST# 88- Emergency Mode Off*
ST# 89- Horn Alert Request* (mobiles)
ST# 90- Stun radio (No TX)
ST# 91- Stun radio (No TX / No RX audio)
ST# 92- Turn off Stun
ST# 93- ACK stun is ON
ST# 94- ACK stun is OFF
ST# 80-87, 95-97 (Reserved for future use)

Selective Call
Short Text Messages** (stored/display)

* Features added in Ver. 2 radios

** FleetSync Enhanced Option required (included as of 10/1/02)

INCLUDED ITEMS

Spring Action Belt Clip, Instruction Manual



Accessories for the TK-280/380 Series Radios

Model	Description	Dealer	List
<u>ANTENNAS</u>			
KRA-14M	VHF helical antenna 148-162 MHz	\$10.20	\$17.00
KRA-14M2	VHF helical antenna 162-174 MHz	10.20	17.00
KRA-14M3	VHF helical antenna 136-150 MHz	10.20	17.00
KRA-15AM	UHF whip antenna 450-490 MHz	10.20	17.00
KRA-15AM2	UHF whip antenna 470-512 MHz	10.20	17.00
KRA-15AM3	UHF whip antenna 403-430 MHz	10.20	17.00
KRA-16M	VHF stubby antenna 148-162 MHz	7.80	13.00
KRA-16M2	VHF stubby antenna 162-174 MHz	7.80	13.00
KRA-16M3	VHF stubby antenna 136-150 MHz	7.80	13.00
KRA-17M	UHF stubby antenna 450-490 MHz	7.80	13.00
KRA-17M2	UHF stubby antenna 470-512 MHz	7.80	13.00
KRA-17M3	UHF stubby antenna 403-430 MHz	7.80	13.00
KRA-25	High Gain VHF Helically Loaded ¼ Wave Whip Antenna 148-162 MHz (9.75 inches; for TK-280/290 portables only; SMA-F connector) Note: The KRA-25 is 9.75 inches long. This is 3.75 inches longer than a normal VHF helical antenna! Stocked in limited quantities. Allow up to 8 weeks for delivery.	19.50	32.50
<u>BATTERIES AND CHARGERS</u>			
KBP-4 ³	AA Alkaline Refillable Battery Pack for TK-290/390/280/380 (12 AA Alkaline 9V) Batteries Not Incl.	24.60	41.00
KNB-16A	1100 mAh/8 Hour, 7.2 VDC Ni-Cd battery	34.00	57.00
KNB-17A	1500 mAh/10 Hour, 7.2 VDC Ni-Cd battery	40.00	67.00
KNB-17BK ^{1,2}	Intrinsically Safe Battery 1500 mA, 7.2 VDC (4/5W), NiCd battery [I.S. Certified]	60.00	100.00
	1600 mAh NiMH (more than 10 hours life @ 5-5-90) - requires KSC-24 charger	36.00	60.00
KNB-21N ⁷	Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.		
	2100 mAh NiMH (more than 13 hours life @ 5-5-90) - requires KSC-24 charger	42.00	70.00
KNB-22N ⁷	Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.		
KMB-14	Six Unit Charger Adapter for the KSC-15/16/17/18/19 (chargers not included)	99.00	165.00
KMB-16	Six Unit Charger Adapter for the KSC-20/24/25 rapid rate (chargers not included)	99.00	165.00
KMB-23	Six Unit Charger Adapter for the KSC-24 rapid rate chargers (chargers not included) Small footprint (13"Wx7.8"Hx11.7"D); 2 tiered rows hold 3 KSC-units each	109.00	182.00
KSC-19	Regular rate single unit desk charger for NiCd batteries only: KNB-16/17A/17B	21.00	35.00
KSC-19M	220 volt regular rate single unit desk charger for NiCd batteries only: KNB-16/17A/17B	21.00	35.00
KSC-24	110 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KSC-24E	220 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15,17,19 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter) Note: NOT compatible with NiMH batteries (KNB-20N/21N/22N); Compatible w/NiCd batteries	36.00	60.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16,18,20,24,25 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter) Note: Compatible with NiMH batteries (KNB-20N/21N/22N) & NiCd batteries when used with the KSC-24.	48.00	80.00
KVC-5A ⁴	Drop-in Vehicular D.C. Charger for 80/90 Series Portables Note: Compatible with KNB-16/17A/17B/21N/22N (Replacement for KVC-5)	204.00	340.00
<u>CARRYING ACCESSORIES</u>			
KBH-8 ⁵	Spring action belt clip - Same as Supplied (See Important Note 5 below)	4.80	8.00
KBH-8DS ⁵	Swivel belt loop with D-Ring	15.00	25.00
KLH-58BC	Bungi-cord for KLH-58/60/71/75/76	2.10	3.50
KLH-6SW	Swivel belt loop / detachable swivel back for KLH-58/60/70/71/75/76/78/79/83/112	12.60	21.00
KLH-75B	Heavy duty leather carrying case for TK-280/380/480/481 - compatible w/NiCd & NiMH batteries	25.20	42.00
KLH-76B	Heavy duty leather carrying case for TK-280/285/380/480/481 DTMF keypad models - compatible w/NiCd & NiMH ba	25.20	42.00
KLH-85	Cordura Nylon carrying case for TK-280/380/480/481 DTMF keypad models (Black)	15.00	25.00
KLH-86	Cordura Nylon carrying case for TK-280/285/380/480/481 (Black)	15.00	25.00
KLH-92	Heavy duty leather carrying case for TK-280/380/480/481 DTMF keypad models w/ KBP-4	25.20	42.00
KWR-1	Water resistant bag	17.00	29.00

Accessories for the TK-280/380 Series Radios Cont'd...

Model	Description	Dealer	List
<u>MICROPHONES AND SPEAKERS</u>			
KEP-1 ¹	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker mics (black only)[I.S. Certified]	30.00	50.00
KCT-30 ¹	2.5mm Audio Accessory Adapter for KEP-3/4[I.S. Certified]	36.60	61.00
KEP-3 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 30" Cable (black) [I.S. Certified]	29.40	49.00
KEP-4 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 48" Cable (black) [I.S. Certified]	31.20	52.00
KMC-25 ¹	MIL-SPEC, Noise canceling Speaker mic [I.S. Certified]	55.20	92.00
KHS-11BE ¹	2-wire palm mic w/earphone, universal connector. ("Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time). [I.S. Certified]	89.40	149.00
KHS-11BL ¹	2-wire palm mic w/earphone, universal connector (Black)[I.S. Certified]	89.40	149.00
KHS-12BE ¹	3-wire mini lapel mic w/earphone, universal connector. ("Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time). [I.S. Certified]	105.00	175.00
KHS-12BL ¹	3-wire mini lapel mic w/earphone, universal connector (Black)[I.S. Certified]	105.00	175.00
KHS-14 ¹	Lt. Wt. Single muff headset w/boom mic & In-line PTT, universal connector (Blk)[I.S. Certified]	72.00	120.00
KHS-15-BH ¹	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db; (Heavy-duty headsets; Allow min. 4 weeks delivery time).[I.S. Certified]	240.00	400.00
KHS-15-OH ¹	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db. (Heavy-duty headsets; Allow min. 4 weeks delivery time).[I.S. Certified]	210.00	350.00

QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired G-Star (L-901) or MDC-1200 (L-902) ANI format labor code.
 2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
 3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk
- All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).
- a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
 - b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).

Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarron Technologies Call 800-487-7184
www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-downImportant Factory Install Only –Order L-901 or L-902	76.80	128.00
CAE-3	Emergency Man-Down Internal Tilt Switch (mercury switch) [Factory Install Only – Must order L-845]. The CAE-3 is only sold for use w/Cimarron ANI Option modules for man-down emergency[I.S. Certified]	12.60	21.00

Transcrypt Secure Technologies Encryption

The following Transcrypt Secure Technologies encryption accessories (available from Transcrypt) and TK-280/380/480/481 combination when installed according to Transcrypt instructions meet Intrinsically Safe Classes I, II & III, Div.1, Groups C, D,E, F & G hazardous locations and Non-Incendive Class I, Div. 2, Groups C, D hazardous locations:

- SC20-400 · SC20-430-12
- SC20-416-12 · SC20-460-12

For more information on Transcrypt encryption please visit their website at www.transcryptsecure.com or contact them at:

Transcrypt Secure Technologies

4800 NW 1st Street, Suite 100
Lincoln, NE 68521
Phone: 402-474-4800
Fax: 402-479-8472

SERVICE RELATED ACCESSORIES

KPG-36	Programming interface Cable	53.00	N/A
KPG-49D	P.C. Programming Software for TK-280/380/480/481/780/880/980/981	39.00	N/A

Installation/Tuning Charges for the TK-280/380 Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-822	Assemble KMB-14 with six KSC-19's (Regular Rate, 120 volt version only!)	9.00	15.00
L-836	Assemble KMB-16 with six KSC-24's (Rapid Rate, 120 Volt version only)	9.00	15.00
L-961	Assemble KMB-23 with six KSC-24/25/32 (Rapid Rate, 120 Volt versions only)	10.00	17.00
L-845	Install CAE-3 (portable only)	5.00	9.00
L-855	Tune TK-280/380	15.00	25.00
L-856	Configure TK-280/380 for Intrinsically Safe (Must Order KNB-17BK)	42.00	70.00
L-901	Program and install QE-2 MDC1200 Encoder	45.00	75.00
L-902	Program and install QE-2 G-Star® Encoder	45.00	75.00

PassPort Options (Kenwood-installed)

FOR NEW RADIO ORDERS ONLY

Ordering Instructions

For VHF/UHF models TK-280/780/380/880 new radio orders, the Kenwood-installed PassPort ESN / firmware option is no charge: Order the PassPort ESN/Firmware option L-938 for each PassPort radio.

Other required items:

- a. KPG-63D Radio Programming Software: the KPG-63D is required to program all PassPort parameters for all PassPort™ enabled radios, the KPG-63D will not program LTR or conventional parameters.
- b. KPG-49D is required only if LTR or conventional systems are to also be programmed in the PassPort radio.

Model	Description	Dealer	List
L-938	Install PassPort™ ESN options and firmware; NO CHARGE for new TK-280/380/780/880 orders Note: Only current 80-Series Version 2.0 production radios ("Ver. 2.0" appears on FCC ID label) are compatible with the PassPort ESN/firmware option. Verison 1.0 radios are not compatible.	0.00	0.00

PassPort™ Radio Programming Software

KPG-63D	PassPort™ Radio Programming Software V2.00 or higher	39.00	65.00
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PassPort Options (Field-installation kits)

FOR DEALER / OPERATOR FIELD CONVERSIONS

Ordering Instructions

1. Order the ESN key/firmware Labor Code options: L-892, L-893 or L-894; specify model radio(s).
Pre-loaded ESN hardware key(s) with the ordered quantities of ESN's and a PassPort™ radio firmware diskette will be shipped (100 ESN's maximum per hardware key). **Important: Any depleted key previously registered to a technicians computer must be retained to register any new purchased key to the computer; please retain the old key until the new one is received.**
2. Other required items:
 - a. KPG-64D: PassPort™ ESN Install Program: the KPG-64D only needs to be ordered one time. It is re-usable for subsequent ESN orders (unless an upgrade is recommended).
 - b. KPG-63D Radio Programming Software: required to program all PassPort parameters for all PassPort™ enabled radios, the KPG-63D will not program LTR or conventional parameters.
 - c. KPG-49D Radio Programming Software: required only if LTR or conventional systems are also tbe programmed in the PassPort radio.

Model	Description	Dealer	List
L-892	PassPort TM ESN Options & PassPort TM firmware disk(SPECIFY RADIO MODEL) · 1-24 qty. lot price; Price is per ESN	\$40.80	\$68.00
L-893	PassPort TM ESN Options & PassPort TM firmware disk(SPECIFY RADIO MODEL) · 25-99 qty. lot price; Price is per ESN	35.00	68.00
L-894	PassPort TM ESN Options & PassPort TM firmware disk(SPECIFY RADIO MODEL) · 100 qty lot price; Price is per ESN · Maximum 100 ESN options per hardware key	30.00	68.00

Note: Sales of L-892, 893, 894 are NOT refundable. Purchaser has a 72 hour limit after receipt to report suspected hardware key defects or ESN shortages to Kenwood engineering, Suwannee office 678-474-4700

SRB08698	Hardware Key (Sentinel Super Pro)	50.00	83.33
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NOTES:

- Requires purchase of L-892, 893 or 894
- Sales of L-892, 893, 894 are NOT refundable
- Maximum 100 ESNs per hardware key
- Requires KPG-64D to download PassPort TM ESN options into an 80-Series radio.
- Important: The hardware key is registered to the computer that it is first used on; it cannot be used on other computers.
- Empty hardware keys can be returned for 50% credit; call the LMR order desk for RMA #.
- Important: Retain depleted keys until a new one is received. It will be required to register the new key to the same computer.

KPG-64D	PassPort TM ESN Field Installation Software V1.12 · V1.12: supercedes V1.11; upgrade to V1.12 recommended for improved ESN file database features	6.00	10.00
KPG-63D	PassPort™ Radio Programming Software V2.00 or higher	\$39.00	\$65.00

IMPORTANT NOTES:

¹ For intrinsically safe models TK-190/280/380/290/390/480/481: Meets Intrinsically Safe Classes I, II & III, Div. 1, Groups C, D, E, F, G hazardous locations and No Incendive Class I, Div. 2, Groups C, D hazardous locations.

² **Important Note Regarding Intrinsically Safe Certification:** Using an Intrinsically Safe battery on a radio does not constitute an Intrinsically Safe (I.S.) radio. All Kenwood I.S. radios must be certified at Kenwood by inspection, logging & proper labeling. The appropriate I.S. labor code must be specified on all I.S. radio orders and the proper model I.S. battery must be used with the radio. Kenwood I.S. batteries can be purchased separately for existing Kenwood certified I.S. radios. Intentionally or inadvertently representing a Kenwood radio as I.S. without proper Kenwood certification can result in serious safety and/or legal liability issues for your company.

³ AA refillable packs DO NOT meet any of the MIL-STD environmental standards, nor are they water-resistant or Intrinsically Safe approved.

Actual battery life is dependent on battery condition, type, quality, temperature, and use habits. Alkalines exhibit non-linear voltage vs. current drain characteristics, therefore radio transmit power will lower and decrease during transmit and as the battery is drained. Nominal Life (hrs.) 5-5-90 duty cycle, battery save off, scan off. See chart below:

Transmit Power	1W	2W	4/5W
Nominal Battery Life (hrs.)	18	11.5	4

⁴ **KVC-5 & KVC-6 has the following features:** Accommodates Speaker/Microphones of KMC-25/26 (for KVC-5), and KMC-17/21 (for KVC-6), with retainer brackets; Rapid Charge LED (red) -- "on" when portable radio is properly seated and battery is in rapid charge mode, Trickle Charge LED (green) -- "on" when the battery is fully charged and the charger is in the trickle charge mode, repeat enable LED (yellow) -- "on" when the Automatic Enable switch is on and the portable is removed (it goes "off" when portable is inserted), and Automatic Repeat Enable Switch (activates the vehicular repeater units, e.g. Pyramid Communications brand SVR units). Note: These units are ONLY charger units. They are NOT vehicular adapters with RF, P.A., AF P.A., antenna connector, speaker & mobile hand mic. (a.k.a.; "console", "vehicular console", "convert-a-com", "jerk & run").

⁵ Retain the screws included with the metal belt clip (included with radio). These are required to attach the KBH-8 or KBH-8DS. Screws also available from Parts Dept.: Part # N99-2004-05.

⁶ Required to program both normal radio parameters and all FleetSync™ feature parameters.

⁷ **Important Note regarding KNB-21N/22N:**

- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
- NiMH batteries capacity life is slightly lower than NiCd: **NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles**

TK-285K

217-250 MHz** MPT1327 Network Trunking Portable Radio

**For 217-218/219-220 MHz AMTS band land-based mobile operations (12.5 kHz CH spacing FM analog).

**Not permissible on 220-222 MHz band (5 kHz CH spacing; very narrow band required)

Model	Description	Dealer	List
Delivery: 5 Months ARO; Non-Cancellable Purchase Order Required			
VHF	Spring Action Belt Clip & Antenna included; Battery & Charger not included.		
TK-285K	TX: 218-250 MHz; RX: 217-250 MHz, 5W, w/DTMF keypad; 8 MPT networks (trunked mode); 32 CH (conv. n	\$340.00	\$567.00

TK-285K FEATURES:

GENERAL FEATURES

- ☐ 5W Transmit Power
- ☐ 12.5 kHz Channel Spacing
- ☐ 500 mW Audio Power
- ☐ Lighted Front Panel Dot Matrix LCD
- ☐ 12 Character Alphanumeric Display
- ☐ 3 Character Sub-Display (RSSI bargraph)
- ☐ LCD Operational Icons
- ☐ Two Color LED (TX/Busy indicator)
- ☐ 5 Programmable Function Keys (lighted)
- ☐ Orange Emergency (network) / AUX Key
- ☐ Encryption/Scrambler Board Control
- ☐ Key Lock Feature
- ☐ Low Battery Alert
- ☐ Weather-Sealed Accessory Connector
- ☐ Data Access Interface
- ☐ Minimum Volume Setting
- ☐ Power On Text (message display)
- ☐ Embedded Message (64 Char.)
- ☐ ESN with Software Protection Key
- ☐ Radio Password (unlock; DTMF & Call key)
- ☐ Data Password (Protected Programming)
- ☐ KPG-62D Windows PC Programming & Tuning
- ☐ Front Panel Test & Tune
- ☐ Flash ROM Firmware
- ☐ KMC-25 Mil-Spec Speaker Mic Opt. (2 PF Keys)
- ☐ MILSTD810 C, D & E (11 categories)
- ☐ MILSTD "Driven Rain" Compliant
- ☐ IP-54 Water Resistance Compliant
- ☐ Intrinsically Safe Option & Accessories

CONVENTIONAL MODE

- ☐ 32 Channels (Conventional Mode)
- ☐ QT/DQT Encode & Decode
- ☐ Normal Scan (No Priority)
- ☐ Scan Revert (Last Call, Selected or Used)
- ☐ TX Power In Conventional Mode (high or low)
- ☐ Companded Audio in Conventional Mode
- ☐ Time Out Timer (Pre-Alert, Re-Key, Reset)
- ☐ Busy Channel Lockout
- ☐ DTMF Encode & Keypad Included (Conv. only)

TRUNKED NETWORK MODE***

- ☐ 8 Network Capacity
 - ☐ Individual Call
 - ☐ Group Call
 - ☐ Broadcast Call (dispatcher to all fleets call)
 - ☐ Priority Call (top of queue in network)
 - ☐ Emergency Key Function (Network only)
 - ☐ Emergency Call (specific net address/ tel. no.)
 - ☐ Status Message Call (32, 12-Char. statuses)
 - ☐ Power On Statuses
 - ☐ Full Off Air Call Setup (conserves network link resources)
 - ☐ PTT Initiates Call
 - ☐ Conventional Mode (manual PF key)
 - ☐ Auto Conventional Mode- auto switches to conventional mode when no control ch. present).
 - ☐ Trunking Search/Auto- auto switches to trunking mode when control ch. detected
 - ☐ Trunking Search/Alert- alerts only when control ch. detected
 - ☐ Own Call Diversion (call forwarding)
 - ☐ Third Party Call Diversion (call forwarding)
 - ☐ Call Queuing (incoming call queuing)
 - ☐ Network Call Queuing (outgoing call queuing)
 - ☐ Include Call ("late entry" conversation joining)
 - ☐ NOS Call (3-digit priority call to net operator)
 - ☐ Technician Call (8-digit dial call for net techs)
 - ☐ Don't Distrub Call (block voice, data or all calls)
 - ☐ 99 Call Address Table (call units)
 - ☐ 32 Group Address Table (receive groups)
 - ☐ Home Key (one touch to Home Address)
 - ☐ Network Formatted Dialing (1343 compatible)
 - ☐ Dial Key (pre-prog. dial strings executed)
 - ☐ Re-Dial Key (recalls last 3 dialed calls)
 - ☐ Network Select (manual selection of networks)
 - ☐ Normal/Status/Stack Mode Select
 - ☐ Stack Mode Auto-reset Timer
 - ☐ CALL Key (initiate call)
 - ☐ Clear Key (initiate call & PTT)
 - ☐ Conventional (enter conventional mode)
 - ☐ Short Data Message Call (on control channel)*
 - ☐ Non-Prescribed Data (on traffic channel)*
 - ☐ Companded Audio Per Network
 - ☐ TX Power in Trunked Mode (high, low or RSSI auto)
- *Require external network compatible data hardware/dispatch applications software

INCLUDED ITEMS

- Spring Belt Clip
- Instruction Manual

IMPORTANT NOTE

The TK-285 "network trunking" model differs from an 80-Series model. Most notable, the **TK-285**

DOES NOT support the following features/options:

- 25 kHz Ch. Spacing (12.5 kHz only)
- Priority Scan (normal scan only)
- LTR Trunking
- FleetSync Encode/Decode
- ANI Boards / PTT ID Features
- Emergency ANI Features (network Emergency Call only)
- DTMF or 2-Tone Decode Features
- PassPort Network Option

***Trunked network features/operation listed may/may not be available in the network. Check with the network infrastructure manufacturer and/or network operator to verify.



Accessories for the TK-285K Portable Radio

Model	Description	Dealer	List
ANTENNAS			
T90-0651-15	VHF helical Antenna 223-250 MHz (same as supplied), order thru KSC Parts Dept. 800/367-7514	N/A	N/A
BATTERIES AND CHARGERS			
KBP-4 ³	AA Alkaline Refillable Battery Pack for TK-190/290/390/280/380 (12 AA Alkaline 9V) Battery cells not incl.	24.60	41.00
KNB-16A	1100 mAh/8 Hour, 7.2 VDC Ni-Cd battery	34.00	57.00
KNB-17A	1500 mAh/10 Hour, 7.2 VDC Ni-Cd battery	40.00	67.00
KNB-21N ⁴	1600 mAh NiMH (more than 10 hours life @ 5-5-90) - requires KSC-24 charger Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	36.00	60.00
KNB-22N ⁴	2100 mAh NiMH (more than 13 hours life @ 5-5-90) - requires KSC-24 charger Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	42.00	70.00
KSC-19	Regular rate single unit desk charger for KNB-16/17A	21.00	35.00
KSC-19M	220 volt regular rate single unit desk charger for KNB-16/17A	21.00	35.00
KSC-24	110 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KSC-24E	220 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KMB-14	Six Unit Charger Adapter for the KSC-15/16/17/18/19 (chargers not included)	99.00	165.00
KMB-16	Six Unit Charger Adapter for the KSC-20/24/25 rapid rate (chargers not included)	99.00	165.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15,17,19 (chargers not included) Note: NOT compatible with NiMH batteries (KNB-20N/21N/22N); Compatible w/NiCd batteries	36.00	60.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16,18,20,24,25 (chargers not included) Note: Compatible with NiMH batteries (KNB-20N/21N/22N) & NiCd batteries when used with KSC-24	48.00	80.00
KVC-5A	Vehicular D.C. Charger for 80/90 Series Portables Note: Compatible with KNB-16/17A/21N/22N	204.00	340.00
CARRYING ACCESSORIES			
KBH-8 ²	Spring action belt clip (See important instructions below) - Same as Supplied	4.80	8.00
KBH-8DS ²	Swivel belt loop with D-Ring	15.00	25.00
KLH-58BC	Bungi-cord for KLH-58/60/70/71/75/76	2.10	3.50
KLH-6SW	Swivel belt loop / detachable swivel back for KLH-58/60/70/71/75/76/78/79/83/112	12.60	21.00
KLH-76B	Heavy duty leather carrying case for 80-Series portables with DTMF keypad	25.20	42.00
KLH-85	Cordura Nylon carrying case for 80-Series portables with DTMF keypad (Black)	15.00	25.00
KLH-92	Heavy duty leather carrying case for 80-Series portables with DTMF keypad using KBP-4 AA case	25.20	42.00
KWR-1	Water resistant bag	17.00	29.00

Accessories for the TK-285K Portable Radio

Model	Description	Dealer	List
MICROPHONE AND SPEAKERS			
KEP-1	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker mics (black only)	\$30.00	\$50.00
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4	36.60	61.00
KEP-3	Earphone kit w/ 2.5mm plug for KCT-30, 30" Cable (black)	29.40	49.00
KEP-4	Earphone kit w/ 2.5mm plug for KCT-30, 48" Cable (black)	31.20	52.00
KMC-25	MIL-SPEC, Noise canceling Speaker mic	55.20	92.00
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige)	89.40	149.00
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black)	89.40	149.00
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige)	105.00	175.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black)	105.00	175.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT, universal connector (Blk)	72.00	120.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db	240.00	400.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db	210.00	350.00
Note 1: "Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time.			
Note 2: Heavy-duty headsets; Allow min. 4 weeks delivery time.			

SERVICE RELATED ACCESSORIES

KPG-36	Programming Interface Cable	53.00	N/A
KPG-62D	P.C. Programming Software for TK-285/785 & TK-385/885 MPT1327 Radios (Windows 98, 2000, Me & XP com)	59.00	N/A

Important: The KPG-62D includes a Dealer/Reseller Level License ID for limited subscriber unit programming privileges. A Network Level License ID (at no additional charge) is required for full system operator subscriber unit privileges; contact your Kenwood Systems representative for issuance.

Installation/Tuning Charges for the TK-285 Series Radios

Model	Description	Dealer	List
L-822	Assemble KMB-14 with six KSC-19's (Regular Rate, 120 volt version only!)	9.00	15.00
L-836	Assemble KMB-16 with six KSC-20's/KSC-24's	9.00	15.00
L-837	Install KNB-17A/17BK battery	0.00	0.00

IMPORTANT INSTRUCTIONS

¹ **KVC-5A Features:** Accommodates Speaker/Microphones of KMC-25/26 (for KVC-5A) with retainer brackets; Rapid Charge LED (red) -- "on" when portable radio is properly seated and battery is in rapid charge mode, Trickle Charge LED (green) -- "on" when the battery is fully charged and the charger is in the trickle charge mode, repeat enable LED (yellow) -- "on" when the Automatic Enable switch is on and the portable is removed (it goes "off" when portable is inserted), and Automatic Repeat Enable Switch (activates the vehicular repeater units, e.g. Pyramid Communications brand SVR units). **Note:** These units are ONLY charger units. They are NOT vehicular adapters with RF, P.A., AF P.A., antenna connector, speaker & mobile hand mic. (a.k.a.; "console", "vehicular console", "convert-a-com", "jerk & run").

² Retain the screws included with the metal belt clip (included with radio). These are required to attach the KBH-8 or KBH-8DS. Screws also available from Parts Dept.: Part # N99-0387-05.

³ KBP-4 AA refillable packs DO NOT meet any of the MIL-STD environmental standards, nor are they water-resistant or Intrinsically Safe approved.

Actual battery life is dependent on battery condition, type, quality, temperature, and use habits. Alkalines exhibit non-linear voltage vs. current drain characteristics, therefore radio transmit power will lower and decrease during transmit and as the battery is drained. Nominal Life (hrs.) 5-5-90 duty cycle, battery save off, scan off. See chart below:

Transmit Power	1W	2W	4/5W
Nominal Battery Life (hrs.)	18	11.5	4

⁴ **Important Note regarding KNB-21N/22N:**

- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F(-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
- NiMH batteries capacity life is slightly lower than NiCd: NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles

Land-Mobile Price List**TK-785K****218-235 MHz** Network Trunking Mobile Radio**

**For 217-218/219-220 MHz AMTS band land-based mobile operations (12.5 kHz CH spacing FM analog).

**Not permissible on 220-222 MHz band (5 kHz CH spacing; very narrow band required)

Delivery: 5 Months ARO; Non-Cancellable Purchase Order Required**VHF**

TK-785K

TX: 218-235 MHz; RX: 217-235 MHz, **10W**, 8 MPT networks (trunked mode); 32 CH (conv. mode)

\$306.00

\$510.00

TK-785K FEATURES:**GENERAL FEATURES**

- ☐ 10W VHF Transmit Power
- ☐ 12.5 kHz Channel Spacing
- ☐ 4 W Audio Power
- ☐ Inverting Front Panel (for speaker positioning)
- ☐ Back Lit Front Panel Dot Matrix LCD
- ☐ 12 Character Alphanumeric Display
- ☐ 3 Char. Sub-Display (RSSI bargraph)
- ☐ LCD Operational Icons
- ☐ Two Color LED (TX/Busy indicator)
- ☐ 4 Programmable Function Keys (lighted)
- ☐ Horn Alert Output (Prog.; KCT-19 Opt.)
- ☐ Public Address Output (KAP-1, KCT-19 Opt.)
- ☐ FootSwitch Input (Prog.; KCT-19 Opt.)
- ☐ Encryption/Scrambler Board Control
- ☐ TX Power Select
- ☐ Data Port I/O (KCT-19 option)
- ☐ Minimum Volume Setting
- ☐ Power On Text (message display)
- ☐ Timed Power Off
- ☐ Embedded Message (64 Char.)
- ☐ ESN with Software Protection Key
- ☐ Radio Password (Lock; DTMF mic+Call key)
- ☐ Data Password (Protected Programming)
- ☐ KPG-62D Windows PC Programming & Tuning
- ☐ Front Panel Test & Tune
- ☐ Flash ROM Firmware
- ☐ KES-3 External Speaker (compact)
- ☐ KES-5 External Speaker (req. KCT-19)
- ☐ MIL-Spec/Noise-Cancel Mic Options
- ☐ MILSTD810 C, D & E (9 categories)

CONVENTIONAL MODE

- ☐ 32 Channels (Conventional Mode)
- ☐ QT/DQT Encode & Decode
- ☐ Normal Scan (No Priority)
- ☐ Scan Revert (Last Call, Selected or Used)
- ☐ TX Power In Conventional Mode (high or low)
- ☐ Companded Audio in Conventional Mode
- ☐ Off Hook Scan / Off Hook Decode
- ☐ Time Out Timer (Pre-Alert, Re-Key, Reset)
- ☐ Busy Channel Lockout
- ☐ DTMF Encode (KMC-28A Option; conv. only)

TRUNKED NETWORK MODE***

- ☐ 8 Network Capacity
- ☐ Individual Call
- ☐ Group Call
- ☐ Broadcast Call (dispatcher to all fleets call)
- ☐ Priority Call (unit placed top of queue in network)
- ☐ Emergency Key Function (Network only)
- ☐ Emergency Call (specific net address/ tel. no.)
- ☐ Status Message Call (32, 12-Char. statuses)
- ☐ Power On/Off Statuses
- ☐ Full Off Air Call Setup (conserves network link resources)
- ☐ PTT Initiates Call
- ☐ Conventional Mode (manual PF key)
- ☐ Auto Conventional Mode- auto switches to conventional mode when no control ch. present).
- ☐ Trunking Search/Auto- auto switches to trunking mode when control ch. detected
- ☐ Trunking Search/Alert- alerts only when control ch. detected
- ☐ Own Call Diversion (call forwarding)
- ☐ Third Party Call Diversion (call forwarding)
- ☐ Call Queuing (incoming call queuing)
- ☐ Network Call Queuing (outgoing call queuing)
- ☐ Include Call ("late entry" conversation joining)
- ☐ NOS Call (3-digit priority call to net operator)
- ☐ Technician Call (8-digit dial call for net techs)
- ☐ Don't Distrub Call (block voice, data or all calls)
- ☐ 99 Call Address Table (call units)
- ☐ 32 Group Address Table (receive gr)
- ☐ Home Key (one touch to Home Address)
- ☐ Network Formatted Dialing (1343 compatible)
- ☐ Dial Key (pre-programmed dial strings executed)
- ☐ Re-Dial Key (recalls last 3 dialed calls)
- ☐ Network Select (manual selection of networks)
- ☐ Normal/Status/Stack Mode Select
- ☐ Stack Mode Auto-reset Timer
- ☐ CALL Key (initiate call)
- ☐ Clear Key (initiate call & PTT)
- ☐ Conventional (enter conventional mode)
- ☐ Short Data Message Call (on control channel)
- ☐ Non-Prescribed Data (on traffic channel)*
- ☐ Companded Audio Per Network
- ☐ TX Power in Trunked Mode (high or low only; RSSI auto n/a on mobile)

*Require external network compatible data hardware/dispatch applications software

IMPORTANT NOTES

The TK-785 "network trunking" model differs from an 80-Series model. **Most notable, the TK-785 DOES NOT support the following features/options:**

- ☐ 25 kHz Channel Spacing (12.5 kHz only)
- ☐ Priority Scan (normal scan only)
- ☐ LTR Trunking
- ☐ FleetSync Encode/Decode
- ☐ ANI Boards / PTT ID Features
- ☐ Emergency ANI Features (network Emergency Call only)
- ☐ DTMF or 2-Tone Decode Features
- ☐ PassPort Trunking Network Options
- ☐ KDS-100 (KCT-34/36)
- ☐ KGP-2A/2B (KCT-34/36)

***Trunked network features/operation listed may/may not be available in the network. Check with the network infrastructure manufacturer and/or network operator to verify.



Accessories for the TK-785K Mobile Radio

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
<u>MOBILE INSTALLATION ACCESSORIES</u>			
KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	24.00	40.00
KCT-18	Ignition sense cable (requires KCT-19)	7.80	13.00
KCT-19	Accessory connector cable (for ignition sense, horn alert, KSP- spkrs, & Data Port)	12.60	21.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	24.00	39.50
KMB-6	Mobile mounting bracket (same as supplied)	7.00	12.00
KMB-10	Key lock adapter (for both KMB-4 & 6)	15.00	25.00
<u>CONTROL STATION INSTALLATION ACCESSORIES</u>			
KMB-2B	Control Station Mounting Case for KPS-10A/10AM Power Supply (fits 80-Series mobile)	41.40	69.00
KMB-20	Control Station Mounting Case for KPS-14/15 Power Supplies (mobile mounting hardware included) For 60/60G/60H/60HG/62H/62HG/60H/60HG/80-series mobiles	15.00	25.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00
KPS-10A	DC power supply (gray case)- See KMB-20 for mounting case	125.00	209.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) *Compatible with medium & high power compact mobiles only: 60/60G/60H/60HG/62H/62HG/60H/60HG/80/50-Series mobiles; See KMB-20 mounting case	99.00	167.00
<u>MICROPHONE AND SPEAKERS</u>			
KES-3	External speaker (compact low profile; black case; 3.5 mm plug-in)	25.20	42.00
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (requires KCT-19)	35.00	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	59.40	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied with radio	24.00	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	93.00	155.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00
<u>SERVICE RELATED ACCESSORIES</u>			
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles) for 60G/62G/80/85 Series Mobiles	109.00	N/A
KPG-62D	P.C. Programming Software for TK-385/885 (Windows 98, 2000, Me & XP compatible)	59.00	N/A
Important: The KPG-62D includes a Dealer/Reseller Level License ID for limited subscriber unit programming privileges. A Network Level License ID (at no additional charge) is required for full system operator subscriber unit privileges; contact your Kenwood Systems representative for issuance.			
***** Call Kenwood Parts at 800-367-7514 to order the following:			
J29-0627-13	Mounting bracket for TK-780/880/980/981 --- same as supplied w/ radio	4.14	7.04

Land-Mobile Price List

TK-290/390

VHF / UHF Public Safety / Service Portables

Model	Description	Dealer	List
VHF			
<i>Spring Action Belt Clip included. Antenna and Battery not included</i>			
TK-290K	136-174 MHz 5W, 160 Ch. w/dual priority scan	\$450.00	\$750.00
TK-290K2	136-174 MHz 5W, 160 Ch. w/dual priority scan, w/DTMF keypad	480.00	800.00
UHF			
<i>Spring Action Belt Clip included. Antenna and Battery not included</i>			
TK-390K	450-490 MHz 4W, 160 Ch. w/dual priority scan	480.00	800.00
TK-390K2	470-512 MHz 4W, 160 Ch. w/dual priority scan	480.00	800.00
TK-390K3	403-430 MHz 4W, 160 Ch. w/dual priority scan	480.00	800.00
TK-390K4	450-490 MHz 4W, 160 Ch. w/dual priority scan, w/DTMF keypad	510.00	850.00
TK-390K6	403-430 MHz 4W, 160 Ch. w/dual priority scan, w/DTMF keypad	510.00	850.00

TK-290/390 FEATURES:



160 Channel Capacity
Wide Band
Multiple Band Width
12.5 / 25 kHz Channel Spacing (per channel)
MIL-STD 810 C, D, & E
Weather-Sealed Accessory Connector
Programmable Power Per Channel
Die-Cast Chassis
Noise-Canceling Mic
MILSTD Speaker Mics
Mechanical Rotary Channel Selector
Programmable Toggle Switch
Five Programmable Keys
Key Lock Feature
Seven Character Alphanumeric LCD
Reversible Display
Two Color LED
Dual Priority Scan



w/ DTMF

FleetSync PTT ID*
FleetSync Emergency Status*
Emergency Mode*
Continuous Call Alert**
Call Alert & Transpond**
Power On Text**
Two Tone Decode A-B, B-C & C-B**
DTMF Decode/Encode
Operator Selectable Tone
(DTMF Keypad Models)
Encryption Board Port/Control
Digital ANI Board Port/Control
Emergency Key & Call Channel
Radio Lock Password
Data Password
Cloning: All, Group
PC Tuning
Flash ROM
Companded Audio

Included Items:
Spring Action Belt Clip
Instruction Manual

* Feature available with Version 2.0 radio production;
serial S/N 209xxxxx or later

** Feature available with Version 2.0 radio production;
serial S/N 303xxxxx or later

Accessories for the TK-290/390 Series Radios

Model	Description	Dealer	List
<u>ANTENNAS</u>			
KRA-14M	VHF helical antenna 148-162 MHz	\$10.20	\$17.00
KRA-14M2	VHF helical antenna 162-174 MHz	10.20	17.00
KRA-14M3	VHF helical antenna 136-150 MHz	10.20	17.00
KRA-15AM	UHF whip antenna 450-490 MHz	10.20	17.00
KRA-15AM2	UHF whip antenna 470-512 MHz	10.20	17.00
KRA-15AM3	UHF whip antenna 403-430 MHz	10.20	17.00
KRA-16M	VHF stubby antenna 148-162 MHz	7.80	13.00
KRA-16M2	VHF stubby antenna 162-174 MHz	7.80	13.00
KRA-16M3	VHF stubby antenna 130-150 MHz	7.80	13.00
KRA-17M	UHF stubby antenna 450-490 MHz	7.80	13.00
KRA-17M2	UHF stubby antenna 470-512 MHz	7.80	13.00
KRA-17M3	UHF stubby antenna 403-430 MHz	7.80	13.00
KRA-25	High Gain VHF Helically Loaded ¼ Wave Whip Antenna 148-162 MHz (9.75 inches; for TK-2160/280/290 portables only; SMA-F connector) Note: The KRA-25 is 9.75 inches long. This is 3.75 inches longer than a normal VHF helical antenna! Stocked in limited quantities. Allow up to 8 weeks for delivery.	19.50	32.50
<u>BATTERIES AND CHARGERS</u>			
KBP-4 ³	AA Alkaline Refillable Battery Pack for TK-290/390/280/380 (12 AA Alkaline 9V) Batteries Not Incl.	24.60	41.00
KNB-16A	1100 mAh/8 Hour, 7.2 VDC Ni-Cd battery	34.00	57.00
KNB-17A	1500 mAh, 7.2 VDC (4/5W), Nicad battery	40.00	67.00
KNB-17BK ^{1,2}	Intrinsically Safe Battery 1500 mAh, 7.2 VDC (4/5W), Nicad battery [I.S. Certified]	60.00	100.00
KNB-21N ⁷	1600 mAh NiMH (more than 10 hours life @ 5-5-90) - requires KSC-24 charger Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	36.00	60.00
KNB-22N ⁷	2100 mAh NiMH (more than 13 hours life @ 5-5-90) - requires KSC-24 charger Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	42.00	70.00
KMB-14	Six Unit Charger Adapter for the KSC-15/16/17/18/19 (chargers not included)	99.00	165.00
KMB-16	Six Unit Charger Adapter for the KSC-20/24/25 rapid rate (chargers not included)	99.00	165.00
KMB-23	Six Unit Charger Adapter for the KSC-24 rapid rate chargers (chargers not included) Small footprint (13"Wx7.8"Hx11.7"D); 2 tiered rows hold 3 KSC-units each.	109.00	182.00
KSC-19	Regular rate single unit desk charger for NiCd batteries only: KNB-16/17A/17B	21.00	35.00
KSC-19M	220 volt regular rate single unit desk charger for NiCd batteries only: KNB-16/17A/17B	21.00	35.00
KSC-24	110 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KSC-24E	220 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15,17,19 (chargers not included) Note: NOT compatible with NiMH batteries (KNB-20N/21N/22N); Compatible w/NiCd batteries	36.00	60.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16,18,20,24,25 (chargers not included) Note: Compatible with NiMH batteries (KNB-20N/21N/22N) & NiCd batteries when used with KSC-24	48.00	80.00
KVC-5 ^{4A}	Vehicular D.C. Charger for 80/90 Series Portables Note: Compatible with the KNB-16/17A/17B/21N/22N (Replacement for KVC-5)	204.00	340.00
KVC-8A	150-174 MHz 35W Vehicular Adapter (See important notes below for KVC-8A/9A)	531.00	885.00
KVC-9A	450-512 MHz 25W Vehicular Adapter (See important notes below for KVC-8A/9A)	531.00	885.00
KVC-8A/9A accessory compatibility and required accessories			
Compatible w/ TK-290/390 portables using KNB-17A/B NiCd battery packs only. KNB-21N/22N Ni-MH battery packs are NOT compatible. KMC-25/26 are NOT compatible (speaker microphones CANNOT be installed on TK-290/390 when inserted into KVC-8A/9A adapter)			
Included Accessories: 2 keys (all units are keyed alike), D.C. power cable, mounting bracket (hardware included), TK-290/390 portable docking pin, installation & operation instruction sheet			
Required Accessories (Must purchase separately): KES-5 External Speaker, KMC-27B Mobile Microphone, KCT-18 Ignition Sense Cable			
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" [listed here for KVC-8A/9A purchase]	35.00	59.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) [listed here for KVC-8A/9A purchase]	24.00	40.00
KCT-18	Ignition sense cable (requires KCT-19) [listed here for KVC-8A/9A purchase]	7.80	13.00
<u>CARRYING ACCESSORIES</u>			
KBH-8DS ⁵	Swivel belt loop with D-Ring	15.00	25.00
KLH-6SW	Swivel belt loop / detachable swivel back for KLH-58/60/70/71/75/76/78/79/83/112	12.60	21.00
KLH-78B	Heavy duty leather carrying case for TK-190/290/390 - compatible w/NiCd & NiMH batteries	25.20	42.00
KLH-79B	Heavy duty leather carrying case for TK-290/390 DTMF Keypad models - compatible w/NiCd & NiMH batteries	25.20	42.00

KLH-88	Cordura Nylon carrying case for TK-190/290/390	15.00	25.00
KLH-89	cordura Nylon carrying case for TK-290/390 DTMF Keypad models	15.00	25.00
KLH-90	Heavy duty leather carrying case for TK-290/390 DTMF Keypad models w/ KBP-4	25.20	42.00

Accessories for the TK-290/390 Series Radios

Model	Description	Dealer	List
<u>MICROPHONE AND SPEAKERS</u>			
KCT-30 ¹	2.5mm Audio Accessory Adapter [I.S. Certified]	\$36.60	\$61.00
KEP-1 ¹	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker Mics (Black only) [I.S. Certified]	30.00	50.00
KEP-3 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 30" Cable (black) [I.S. Certified]	29.40	49.00
KEP-4 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 48" Cable (black) [I.S. Certified]	31.20	52.00
KHS-11BE ¹	2-wire palm mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	89.40	149.00
KHS-11BL ¹	2-wire palm mic w/earphone, universal connector (Black) [I.S. Certified]	89.40	149.00
KHS-12BE ¹	3-wire mini lapel mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	105.00	175.00
KHS-12BL ¹	3-wire mini lapel mic w/earphone, universal connector (Black) [I.S. Certified]	105.00	175.00
KHS-14 ¹	Lt. Wt. Single muff headset w/boom mic & In-line PTT, universal connector (Blk) [I.S. Certified]	72.00	120.00
KHS-15-BH ¹	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db; [See Note 2] [I.S. Certified]	240.00	400.00
KHS-15-OH ¹	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db [See Note 2] [I.S. Certified]	210.00	350.00
Note 1: "Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time. Note 2: Heavy-duty headsets; Allow min. 4 weeks delivery time.			
KMC-25 ¹	MIL-SPEC, Noise canceling Speaker mic [I.S. Certified]	55.20	92.00
KMC-26 ¹	MIL-SPEC, Noise canceling Speaker mic w/Antenna Connector (antenna not incl.) [I.S. Certified]	66.00	110.00
<u>SERVICE RELATED ACCESSORIES</u>			
KPG-36	Programming interface cable	53.00	N/A
KPG-38D ⁶	Programming disk for P.C. (two HD 3.5" diskette set)	39.00	N/A
***** Call Kenwood Parts at 800-367-7514 to order the following:			
E30-3325-05	Portable-to-Portable Cloning cable (For TK-290/390/480/481 Only)	45.00	65.00

DIGITAL ANI MODULES

Compatible Radios:

Portables TK-190, TK-280/380, TK-290/390, TK480/481

Mobiles TK-6110, TK-780/880/980/981, TK-790/890, TK-730G/830G, TK-7150/8150

Order Instructions: Refer to the QE-2 Order Sheets in these price pages. Download full QE-2 Dealer Installation and Programming Guides off Kenwood Dealer Tools (tm) at <https://dealertools.kenwood.net>.

1. Select the proper quantity of radios and QE-2 boards, select the desired ANI format (G-Star or MDC-1200) and the appropriate labor codes L-901 /902.

2. Fill out the module Order Sheet with all ID codes and feature options; fax it with your radio order to your authorized Kenwood Rep or LMR Order Desk. All items must be filled out even if the feature option is "disabled". Incomplete Order Sheets will not be processed.

Emergency "Man-down" requires an installed CAE-3 internal man-down tilt switch option (portables only).

Allow min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

QE-2 ¹	Micro-Miniature Dual Protocol Encoder - G-Star® or MDC1200 - features include: PTT ANI, emergency & man-down messages [Factory Install Only – Must order L-901 or L-902]; [I.S. Certified] Replaces QE-1	76.80	128.00
QPF-2	QE-2 Programmer · Programs a QE-2 module for G-Star® or MDC-1200 · Programs a CDEU-1 module for G-Star® · Includes Cimarron ANIPROG Windows TM software, PC serial cable (DB-9 male-to-DB-9 female), module programming jig	100.00	
CAE-3 ¹	Emergency Man-Down Internal Tilt Switch (mercury switch) [Factory Install Only – Must order L-845]. The CAE-3 is only sold for use w/Cimarron ANI Option modules for man-down emergency. Note: Not Sold, Installed without QE-2 or CDEU-1 Installation. [I.S. Certified]	12.60	21.00

Installation / Tuning Charges for the TK-290/390 Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-804	Tune TK-290/390	\$15.00	\$25.00
L-825	Assemble KMB-14 with six KSC-19's	9.00	15.00
L-835	Configure TK-190/290/390 for Intrinsically Safe (Must Order KNB-17BK) Note: Please see end of this pricepages section for a list of Intrinsically Safe Accessories for this radio.	42.00	70.00
L-836	Assemble KMB-16 with six KSC-24's	9.00	15.00
L-961	Assemble KMB-23 with six KSC-24/25/32 (Rapid Rate, 120 Volt versions only)	10.00	17.00
L-837	Install KNB-17A/17BK battery	0.00	0.00
L-845	Install CAE-3 (portable only)	5.00	9.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	30.00	50.00
L-901	Program and install QE-2 MDC1200 Encoder	45.00	75.00
L-902	Program and install QE-2 G-Star® Encoder	45.00	75.00

Intrinsically Safe Accessories for the TK-290/390 Series Radios

Model	Description	Dealer	List
<u>BATTERIES</u>			
KNB-17BK ^{1,2}	Intrinsically Safe Battery 1500 mAH, 7.2 VDC (4/5W), Nicad battery [I.S. Certified]	\$60.00	\$100.00
<u>MICROPHONE AND SPEAKERS</u>			
KCT-30 ¹	2.5mm Audio Accessory Adapter [I.S. Certified]	36.60	61.00
KEP-1 ¹	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker Mics (Black only) [I.S. Certified]	30.00	50.00
KEP-3 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 30" Cable (black) [I.S. Certified]	29.40	49.00
KEP-4 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 48" Cable (black) [I.S. Certified]	31.20	52.00
KHS-11BE ¹	2-wire palm mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	89.40	149.00
KHS-11BL ¹	2-wire palm mic w/earphone, universal connector (Black) [I.S. Certified]	89.40	149.00
KHS-12BE ¹	3-wire mini lapel mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	105.00	175.00
KHS-12BL ¹	3-wire mini lapel mic w/earphone, universal connector (Black) [I.S. Certified]	105.00	175.00
KHS-14 ¹	Lt. Wt. Single muff headset w/boom mic & In-line PTT, universal connector (Blk) [I.S. Certified]	72.00	120.00
KHS-15-BH ¹	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db; [See Note 2] [I.S. Certified]	240.00	400.00
KHS-15-OH ¹	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db [See Note 2] [I.S. Certified]	210.00	350.00
Note 1: "Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time.			
Note 2: Heavy-duty headsets; Allow min. 4 weeks delivery time.			
KMC-25 ¹	MIL-SPEC, Noise canceling Speaker mic [I.S. Certified]	55.20	92.00
KMC-26 ¹	MIL-SPEC, Noise canceling Speaker mic w/Antenna Connector (antenna not incl.) [I.S. Certified]	66.00	110.00
<u>DIGITAL ANI MODULES</u>			
QE-2 ¹	Micro-Miniature Dual Protocol Encoder - G-Star® or MDC1200 - features include: PTT ANI, emergency & man-down messages [Factory Install Only – Must order L-901 or L-902]; [I.S. Certified] Replaces QE-1	76.80	128.00
CAE-3 ¹	Emergency Man-Down Internal Tilt Switch (mercury switch) [Factory Install Only – Must order L-845]. The CAE-3 is only sold for use w/Cimarron ANI Option modules for man-down emergency. Note: Not Sold, Installed without QE-2 or CDEU-1 Installation. [I.S. Certified]	12.60	21.00

G-Star® is a registered trademark of General Electric.

Transcrypt Secure Technologies Encryption

The following Transcrypt Secure Technologies encryption accessories (available from Transcrypt) and TK-190/290/290 combination when installed according to Transcrypt instructions meet Intrinsically Safe Classes I, II & III, Div.1, Groups C, D,E, F G hazardous locations and Non-Incendive Class I, Div. 2, Groups C, D hazardous locations:

SC20-400 SC20-460-12
SC20-416-12 SC20-DES
SC20-430-12

For more information on Transcrypt encryption please visit their website at www.transcryptsecure.com or contact them at:

Transcrypt Secure Technologies

4800 NW 1st Street, Suite 100
Lincoln, NE 68521
Phone: 402-474-4800
Fax: 402-479-8472

¹ For intrinsically safe models TK-[190]/280/380/290/390/480/481: Meets Intrinsically Safe Classes I, II & III, Div. 1, Groups C, D, E, F, G hazardous locations and Non-Incendive Class I, Div. 2, Groups C, D hazardous locations.

² **Important Note Regarding Intrinsically Safe Certification:** Using an Intrinsically Safe battery on a radio does not constitute an Intrinsically Safe (I.S.) radio. All Kenwood I.S. radios must be certified at Kenwood by inspection, logging & proper labeling. The appropriate I.S. labor code must be specified on all I.S. radio orders and the proper model I.S. battery must be used with the radio. Kenwood I.S. batteries can be purchased separately for existing Kenwood certified I.S. radios. Intentionally or inadvertently representing a Kenwood radio as I.S. without proper Kenwood certification can result in serious safety and/or legal liability issues for your company.

³ AA refillable packs DO NOT meet any of the MIL-STD environmental standards, nor are they water-resistant or Intrinsically Safe approved.

Actual battery life is dependent on battery condition, type, quality, temperature, and use habits. Alkalines exhibit non-linear voltage vs. current drain characteristics, therefore radio transmit power will lower and decrease during transmit and as the battery is drained. Nominal Life (hrs.) 5-5-90 duty cycle, battery save off, scan off. See chart below:

Transmit Power	1W	2W	4/5W
Nominal Battery Life (hrs.)	18	11.5	4

⁴ **KVC-5 & KVC-6 has the following features:** Accommodates Speaker/Microphones of KMC-25/26 (for KVC-5), and KMC-17/21 (for KVC-6), with retainer brackets; Rapid Charge LED (red) -- "on" when portable radio is properly seated and battery is in rapid charge mode, Trickle Charge LED (green) -- "on" when the battery is fully charged and the charger is in the trickle charge mode, repeat enable LED (yellow) -- "on" when the Automatic Enable switch is on and the portable is removed (it goes "off" when portable is inserted), and Automatic Repeat Enable Switch (activates the vehicular repeater units, e.g. Pyramid Communications brand SVR units). Note: These units are ONLY charger units. They are NOT vehicular adapters with RF, P.A., AF P.A., antenna connector, speaker & mobile hand mic. (a.k.a.; "console", "vehicular console", "convert-a-com", "jerk & run").

⁶ The new KPG-38D V1.10 release or later is required to enable audio companding. TK-290 & TK-390 production lots with these changes will bear an letter "A" mark near the serial number label on the factory cartons for easier recognition (until Dec. 1999).

TK-290 (all models): New KPG-38D V1.10 Program Software enables for 2.5 kHz Channel Steps and Audio Companding

TK-290 production (all models), starting with Jan. 1999 production (serial no. 010xxxxx and after) have firmware and circuit changes that add 2.5 kHz PLL channel stepping (former lots had 5, 6.25 & 7.5 kHz stepping) and companded audio. The new KPG-38D V1.10 release or later is required to program both 2.5 kHz ch. step size and enable audio companding.

TK-390 (all models): New KPG-49D V1.10 Program Software enables Audio Companding.

TK-390 production (all models), starting in Sept. 1998 production (serial no. 006xxxxx and after) have firmware changes to add companded audio.

⁷ **Important Note regarding KNB-21N/22N:**

- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
- NiMH batteries capacity life is slightly lower than NiCd: **NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles**

TK-373G

UHF Trunking Portable Radios

Model	Description	Dealer	List
UHF	Antenna, battery, and charger not included; spring action belt clip included		
TK-373GK	450-470 MHz 4W, 32 Systems	\$239.00	\$399.00
TK-373GK2	470-490 MHz 4W, 32 Systems	\$239.00	\$399.00

TK-373G FEATURES:



32 System
 Trunked Format: (LTR & Conventional Modes)
 Priority Scan (Conventional Mode)
 8 Character Alphanumeric Aliases
 Lighted LCD Display
 Power On LCD Text Message
 12.5/25 kHz Wide/Narrow¹
 High/Low Power per group
 Companded Audio Per group²
 2 Color LED Indicator
 Home Group Function
 Key Lock Function
 QT/DQT Encode & Decode
 DTMF ID (BOT/EOT)
 DTMF Auto Dial (32 memories)
 Auto-Redial (PF Key Function)
 Busy Channel Lockout
 Talk Around & Time Out Timer
 Power/Control/Warn Tone On/Off
 PTT Release Tone
 PC Programming (KPG-76D)
 PC Tuning
 Panel Test & Tuning Modes
 Cloning (same model only)
 Flash ROM Memory
 Embedded Message (64 char.)
 MIL-STD 810 C, D & E
 Intrinsically Safe version NOT available.

¹ Conventional systems per group; LTR systems per system

² Both wide 25 kHz and narrow 12.5 kHz spaced channels



Accessories for the TK-373G Series Radios

Model	Description	Dealer	List
ANTENNAS			
KRA-15AM	UHF whip antenna 450-490 MHz	\$10.20	\$17.00
KRA-15AM2	UHF whip antenna 470-512 MHz	10.20	17.00
KRA-17M	UHF stubby antenna 450-490 MHz	7.80	13.00
KRA-17M2	UHF stubby antenna 470-512 MHz	7.80	13.00
BATTERIES AND CHARGERS			
KBP-1	KNB-14 size 6 cell AA Alkaline pack, black (alkalines not incl.) For 1 Watt Use Only @ 4 hrs. 5-5-90 duty	12.00	20.00
KNB-14	600 mAh, 7.2 VDC (4/5W), Nicad battery	22.00	37.00
KNB-15A	1100 mAh, 7.2 VDC (4/5W) extended capacity Nicad battery	28.00	47.00
KNB-20N ³	1600 mAh NiMH, 11 hours life @ 5-5-90 (KSC-24 charger required) Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	28.00	47.00
KMB-14	Six Unit Charger Adapter for the KSC-15/16/17/18/19 (chargers not included)	99.00	165.00
KMB-16	Six Unit Charger Adapter for the KSC-20/24/25 rapid rate (chargers not included)	99.00	165.00
KSC-15	Regular rate single unit desk charger for KNB-14/15	16.80	28.00
KSC-15M	220 volt Regular rate single unit desk charger for KNB-14/15	16.80	28.00
KSC-24	110 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/20N	35.40	59.00
KSC-24E	220 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/20N	35.40	59.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15, (chargers not included) Note: NOT compatible with NiMH batteries (KNB-20N/21N/22N); Compatible w/NiCd batteries	36.00	60.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16, 24 (chargers not included) Note: Compatible with NiMH batteries (KNB-20N/21N/22N with KSC-24) & NiCd batteries	48.00	80.00
KVC-6 ¹	Vehicular D.C. Charger for 60/60G/70/70G/72G/73G Portables Note: The KVC-6 is NOT compatible with the KNB-20N NiMH battery; it is only compatible w/NiCd battery packs. A new model, KVC-6A, for both NiCd & NiMH batteries ETA TBD.	204.00	340.00
CARRYING ACCESSORIES			
KBH-8 ²	Spring action belt clip (See important instructions below) Same as Supplied	4.80	8.00
KBH-8DS ²	Swivel belt loop with D-Ring	15.00	25.00
KLH-6SW	Swivel belt loop / detachable swivel back for KLH-58/60/70/71/75/76/78/79/83/112	12.60	21.00
KLH-112	Leather case for TK-272G/372G/373G	25.20	42.00
KWR-1	Water-Resistant Bag	17.00	29.00
MICROPHONE AND SPEAKERS			
KEP-2	2.5mm earphone kit for KMC-17 Speaker Mics (Black only).	30.00	50.00
KHS-1	Headset with VOX/PTT (light-duty use)	37.20	62.00
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db	210.00	350.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db	192.00	320.00
KHS-7	Single muff headset w/boom mic (black)	40.00	67.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT (black)	60.00	100.00
KHS-8BE	Two-Wire palm mic w/earphone (beige)	59.00	99.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	59.00	99.00

Kenwood USA Corporation

KHS-9BE	Three-Wire lapel mic w/earphone (beige)	95.00	159.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	95.00	159.00

Accessories for the TK-373G Series Radios Cont'd...

Model	Description	Dealer	List
MICROPHONE AND SPEAKERS CONT'D...			
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver; low profile wire head band; VOX-ready (radio must have VOX feature)	23.40	39.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	31.75	53.00
KMC-17	Speaker microphone (Built-in 2.5mm miniature earphone jack)	49.20	82.00
KMC-21	Compact speaker microphone	29.40	49.00
KPG-22	Programming interface cable (powered by P.C.s serial port)	109.00	N/A
KPG-76D	Programming Software for TK-373G/863G	59.00	99.00

SERVICE RELATED ACCESSORIES

***** Call Kenwood Parts at 800-367-7514 to order the following:

C807027-05	KHS-7 Foam mic windscreen, 5 pcs per pack	4.50	6.80
C807028-05	KHS-7 Foam ear cushion, 2 pcs per pack	4.00	6.50
C100733	KHS-8/9 Noise attenuating kit, 1 set per pack (Foam ear tips pieces)	2.50	4.00
C100693-2	KHS-8BL/9BL Acoustic tube replacement kit, black	12.00	16.35
C100693-19	KHS-8BE/9BE Acoustic tube replacement kit, beige (Clear coiled tubing)	12.00	16.35
C100569-2	KHS-8BL/9BL Replacement eartips, 10 per pack, black	16.66	27.48
C100569-19	KHS-8BE/9BE Replacement eartips, 10 per pack, beige (Recommended for sanitary purposes)	8.50	10.00

Installation / Tuning Charges for TK-373G Series Radios

Model	Description	Dealer	List
L-805	Install KNB-14/15A/20N Battery	\$0.00	\$0.00
L-820	Assemble KMB-14 with six KSC-15's (120 volt versions only!)	9.00	15.00
L-821	Assemble KMB-14 with six KSC-16's (120 volt versions only!)	9.00	15.00
L-836	Assemble KMB-16 with six KSC-24's	9.00	15.00
L-935	Tune TK-373G	15.00	25.00

KVC-6 has the following features: Accommodates Speaker/Microphones of KMC-17/21 (for KVC-6), with retainer brackets; Rapid Charge LED (red) -- "on" when portable radio is properly seated and battery is in rapid charge mode, Trickle Charge LED (green) -- "on" when the battery is fully charged and the charge is in the trickle charge mode, repeat enable LED (yellow) -- "on" when the Automatic Enable switch is on and the portable is removed (it goes "off" when portable is inserted), and Automatic Repeat Enable Switch (activates the vehicular repeater units, e.g. Pyramid Communications brand SVR units). Note: These units are ONLY charger units. They are NOT vehicular adapters with RF, P.A., AF P.A., antenna connector, speaker & mobile hand mic. (a.k.a.; "console", "vehicular console", "convert-a-com", "jerk & run").

² Retain the screws included with the metal belt clip (included with radio). These are required to attach the KBH-8 or KBH-8DS. Screws also available from Par Dept.: Part # N35-2610-45 (for TK-270/370 & Part #N99-2012-05 Part # N99-2012-05 for 60G/70G/72G Portables.

³ Important Note regarding KNB-20N:

- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
- NiMH batteries capacity life is slightly lower than NiCd: **NiCd: 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles**

Land-Mobile Price List

TK-385K

450-470MHz UHF MPT1327 Network Trunking Portable Radio

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
UHF	Spring Action Belt Clip Included: Antenna, Battery & Charger not included		
TK-385K	450-470 MHz 4W w/ DTMF keypad; 8 MPT networks (trunked mode); 32 CH (conv. mode)	\$350.00	\$583.00

TK-385K FEATURES:

GENERAL FEATURES

- ☐ 4W UHF Transmit Power
- ☐ 12.5 kHz Channel Spacing
- ☐ 500 mW Audio Power
- ☐ Lighted Front Panel Dot Matrix LCD
- ☐ 12 Character Alphanumeric Display
- ☐ 3 Character Sub-Display (RSSI bargraph)
- ☐ LCD Operational Icons
- ☐ Two Color LED (TX/Busy indicator)
- ☐ 5 Programmable Function Keys
- ☐ Orange Emergency (network) / AUX Key
- ☐ Encryption/Scrambler Board Control
- ☐ Key Lock Feature
- ☐ Low Battery Alert
- ☐ Weather-Sealed Accessory Connector
- ☐ Data Access Interface
- ☐ Minimum Volume Setting
- ☐ Power On Text (message display)
- ☐ Embedded Message (64 Char.)
- ☐ ESN Protected Network files
- ☐ Radio Password (unlock; DTMF & Call key)
- ☐ Data Password (Protected Programming)
- ☐ KPG-62D Windows PC Programming & Tuning
- ☐ Front Panel Test & Tune
- ☐ Flash ROM Firmware
- ☐ KMC-25 Mil-Spec Speaker Mic Opt. (2 PF Keys)
- ☐ MILSTD810 C, D & E (11 categories)
- ☐ MILSTD "Driven Rain" Compliant
- ☐ IP-54 Water Resistance Compliant
- ☐ Intrinsically Safe Option & Accessories

CONVENTIONAL MODE

- ☐ 32 Channels (Conventional Mode)
- ☐ QT/DQT Encode & Decode
- ☐ Normal Scan (No Priority)
- ☐ Scan Revert (Last Call, Selected or Used)
- ☐ TX Power In Conventional Mode (high or low)
- ☐ Companded Audio in Conventional Mode
- ☐ Time Out Timer (Pre-Alert, Re-Key, Reset)
- ☐ Busy Channel Lockout
- ☐ DTMF Encode & Keypad Included (Conv. only)

TRUNKED NETWORK MODE***

- ☐ 8 Network Capacity
- ☐ Individual Call
- ☐ Group Call
- ☐ Broadcast Call (dispatcher to all fleets call)
- ☐ Priority Call (top of queue in network)
- ☐ Emergency Call (specific net address/ tel. no.)
- ☐ Status Message Call (32, 12-Char. statuses)
- ☐ Power On Statuses
- ☐ Full Off Air Call Setup (conserves network link resources)
- ☐ PTT Initiates Call
- ☐ Conventional Mode (manual PF key)
- ☐ Auto Conventional Mode- auto switches to conventional mode when no control ch. present).
- ☐ The "Trunking Search - automatically switches back to Trunked Mode mode (or alert-only) when a control ch. is detected.
- ☐ Own Call Diversion (call forwarding)
- ☐ Third Party Call Diversion (call forwarding)
- ☐ Call Queuing (incoming call queuing)
- ☐ Network Call Queuing (outgoing call queuing)
- ☐ Include Call ("late entry" conversation joining)
- ☐ NOS Call (3-digit priority call to net operator)
- ☐ Technician Call (8-digit dial call for net techs)
- ☐ Don't Distrub Call (block voice, data or all calls)
- ☐ 99 Call Address Table (call units)
- ☐ 32 Group Address Table (receive groups)
- ☐ Home Key (one touch to Home Address)
- ☐ Network Formatted Dialing (1343 compatible)
- ☐ Dial Key (pre-prog. dial strings executed)
- ☐ Re-Dial Key (recalls last 3 dialed calls)
- ☐ Network Select (manual selection of networks)
- ☐ Normal/Status/Stack Mode Select
- ☐ Stack Mode Auto-reset Timer
- ☐ CALL Key (initiate call)
- ☐ Clear Key (initiate call & PTT)
- ☐ Short Data Message Call (on control channel)*
- ☐ Non-Prescribed Data (on traffic channel)*
- ☐ Companded Audio Per Network
- ☐ TX Power in Trunked Mode (high, low or RSSI auto)

*Require external network compatible data hardware/dispatch applications software

INCLUDED ITEMS

- Spring Belt Clip
- Instruction Manual

IMPORTANT NOTE

The TK-385 "network trunking" model differs from an 80-Series model. Most notable, **the TK-385 DOES NOT support the following features/options:**

- 25 kHz Ch. Spacing (12.5 kHz only)
- Priority Scan (normal scan only)
- LTR Trunking
- FleetSync Encode/Decode
- ANI Boards / PTT ID Features
- Emergency ANI Features (network Emergency Call only)
- DTMF or 2-Tone Decode Features
- PassPort Network Option

***TK-385/885 Trunked network features/operation listed may not be available depending on brand network controller used or network operator provisioning.



Accessories for the TK-385K Network Trunked Portable Radio

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
ANTENNAS			
KRA-15AM	UHF whip antenna 450-490 MHz	\$10.20	17.00
KRA-17M	UHF stubby antenna 450-490 MHz	\$7.80	13.00
BATTERIES AND CHARGERS			
KBP-4 ¹	AA Alkaline Refillable Battery Pack for TK-190/290/390/280/380 (12 AA Alkaline 9V) AA cells not included.	24.60	41.00
KNB-16A	1100 mAh/8 Hour, 7.2 VDC Ni-Cd battery	34.00	57.00
KNB-17A	1500 mAh/10 Hour, 7.2 VDC Ni-Cd battery	40.00	67.00
KNB-17BK ²	1500 mAh, 7.2 VDC, Ni-Cd battery [Intrinsically Safe]	60.00	100.00
KNB-21N ³	1600 mAh NiMH battery (10+ hours life @ 5-5-90) Requires KSC-24 charger. Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases.	36.00	60.00
KNB-22N ³	2100 mAh NiMH battery (13+ hours life @ 5-5-90) Requires KSC-24 charger. Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases.	42.00	70.00
KNB-22NC ²	2100 mAh NiMH battery (13+ hours life @ 5-5-90) Requires KSC-24 charger [Intrinsically Safe- PENDING] Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases.	TBD	TBD
KSC-19	Regular rate single unit desk charger	21.00	35.00
KSC-19M	220 volt regular rate single unit desk charger	21.00	35.00
KSC-24	110 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KSC-24E	220 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KMB-14	Six Unit Charger Adapter for the KSC-15/16/17/18/19 (chargers not included)	99.00	165.00
KMB-16	Six Unit Charger Adapter for the KSC-20 rapid rate (chargers not included)	99.00	165.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15,17,19 (chargers not included) Note: NOT compatible with NiMH batteries (KNB-20N/21N/22N); Compatible w/NiCd batteries	36.00	60.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16,18,20, 24 (chargers not included) Note: Compatible with NiMH batteries (KNB-20N/21N/22N) & NiCd batteries	48.00	80.00
KVC-5A ⁴	Vehicular D.C. Charger for 80/90 Series Portables Note: Compatible with NiMH batteries (KNB-21N/22N) & NiCd batteries	204.00	340.00
CARRYING ACCESSORIES			
KBH-8 ⁵	Spring action belt clip (See important instructions below)	4.80	8.00
KBH-8DS ⁵	Swivel belt loop with D-Ring	15.00	25.00
KLH-58BC	Bungi-cord for KLH-58/60/70/71/75/76	2.10	3.50
KLH-6SW	Swivel belt loop / detachable swivel back for KLH-58/60/70/71/75/76/78/79/83/112	12.60	21.00
KLH-76B	Heavy duty leather carrying case for 80-Series portables with DTMF keypad	25.20	42.00
KLH-85	Cordura Nylon carrying case for 80-Series portables with DTMF keypad (Black)	15.00	25.00
KLH-92	Heavy duty leather carrying case for 80-Series portables with DTMF keypad using KBP-4 AA case	25.20	42.00
KWR-1	Water resistant bag	17.00	29.00

Accessories for the TK-385K Network Trunked Portable Radio

Model	Description	Dealer	List
MICROPHONE AND SPEAKERS			
KEP-1 ²	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker mics (black only) [Intrinsically Safe]	\$30.00	\$50.00
KCT-30 ²	2.5mm Audio Accessory Adapter for KEP-3/4 [Intrinsically Safe]	36.60	61.00
KEP-3 ²	Earphone kit w/ 2.5mm plug for KCT-30, 30" Cable; Black [Intrinsically Safe]	29.40	49.00
KEP-4 ²	Earphone kit w/ 2.5mm plug for KCT-30, 48" Cable- Black [Intrinsically Safe]	31.20	52.00
KMC-25 ²	MIL-SPEC, Noise cancelling Speaker mic [Intrinsically Safe]	55.20	92.00
KHS-11BE ²	2-wire palm mic w/earphone, 14-pin connector- Beige; See Note 1 [Intrinsically Safe]	89.40	149.00
KHS-11BL ²	2-wire palm mic w/earphone, 14-pin connector- Black [Intrinsically Safe]	89.40	149.00
KHS-12BE ²	3-wire mini lapel mic w/earphone, 14-pin connector- Beige; See Note 1 [Intrinsically Safe]	105.00	175.00
KHS-12BL ²	3-wire mini lapel mic w/earphone, 14-pin connector- Black [Intrinsically Safe]	105.00	175.00
KHS-14 ²	Lt. Wt. Single muff headset w/boom mic & In-line PTT, 14-pin connector-Black [Intrinsically Safe]	72.00	120.00
KHS-15-BH ²	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT, 14-pin connector; NRR 24dB- Black; See Note 2 [Intrinsically Safe]	240.00	400.00
KHS-15-OH ²	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT, 14-pin, NRR24 dB- Black; See Note 2 [Intrinsically Safe]	210.00	350.00
Note 1: "Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time.			
Note 2: Heavy-duty headsets; Allow min. 4 weeks delivery time.			

SERVICE RELATED ACCESSORIES

KPG-36	Programming Interface Cable	53.00	N/A
KPG-62DK	P.C. Programming Software for TK-285/785 & TK-385/885 MPT1327 Radios (Windows 98, 2000, Me & XP)	59.00	N/A

Important: The KPG-62DK includes a Dealer/Reseller Level License ID for limited subscriber unit programming privileges. A Network Level License ID (at no additional charge) is required for full system operator subscriber unit privileges; contact Kenwood R&D Engineering Manager, Suwanee, Georgia office for issuance 678-474-4700.

Installation/Tuning Charges for the TK-385 Series Radios

Model	Description	Dealer	List
L-822	Assemble KMB-14 with six KSC-19's (Regular Rate, 120 volt version only!)	9.00	15.00
L-836	Assemble KMB-16 with six KSC-20's/KSC-24's	9.00	15.00
L-837	Install KNB-17A/17BK battery	0.00	0.00
L-954	Configure TK-385 for Intrinsically Safe (Must Order KNB-17BK or KNB-22NC)	42.00	70.00

¹ **KBP-4 AA Refillable Packs:** DO NOT meet any of the MIL-STD environmental standards, nor are they water-resistant or Intrinsically Safe approved. Actual battery life is dependent on battery condition, type, quality, temperature, and use habits. Alkalines exhibit non-linear voltage vs. current drain characteristics, therefore radio transmit power will lower and decrease during transmit and as the battery is drained. Nominal Life (hrs.) 5-5-90 duty cycle, battery save off, scan off. See chart below:

Transmit Power	1W	2W	4/5W
Nominal Battery Life (hrs.)	18	11.5	4

² **Meets Intrinsically Safe Classes I, II & III, Div. 1, Groups C, D, E, F, G hazardous locations and Non-Incendive Class I, Div. 2, Groups C, D hazardous locations.**

Important Note Regarding Intrinsically Safe Certification: Using an Intrinsically Safe battery on a radio does not constitute an Intrinsically Safe (I.S.) radio. All Kenwood I.S. radios must be certified at Kenwood by inspection, logging & proper labeling. The appropriate I.S. labor code must be specified on all I.S. radio orders and the proper model I.S. battery must be used with the radio. Kenwood I.S. batteries can be purchased separately for existing Kenwood certified I.S. radios. Intentionally or inadvertently representing a Kenwood radio as I.S. without proper Kenwood certification can result in serious safety and/or legal liability issues for your company.

³ **KNB-21N/22N:** NiMH Batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation. NiMH batteries capacity life is slightly lower than NiCd: NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles

⁴ **KVC-5A Features:** Accommodates Speaker/Microphones of KMC-25/26 (for KVC-5A) with retainer brackets; Rapid Charge LED (red) -- "on" when portable radio is properly seated and battery is in rapid charge mode, Trickle Charge LED (green) -- "on" when the battery is fully charged and the charger is in the trickle charge mode, repeat enable LED (yellow) -- "on" when the Automatic Enable switch is on and the portable is removed (it goes "off" when portable is inserted), and Automatic Repeat Enable Switch (activates the vehicular repeater units, e.g. Pyramid Communications brand SVR units). Note: These units are ONLY charger units. They are NOT vehicular adapters with RF, P.A., AF P.A., antenna connector, speaker & mobile hand mic. (a.k.a.; "console", "vehicular console", "convert-a-com", "jerk & run").

⁵ **Retain the screws included with the metal belt clip (included with radio).** These are required to attach the KBH-8 or KBH-8DS. Screws also available from Parts Dept.: Part # N99-0387-05.

Land-Mobile Price List**TK-885K****450-470MHz UHF MPT1327 Network Trunking Mobile Radio**

Model	Description	Dealer	List
UHF	Includes: KMC-27B Mic., DC Cable, Mounting bracket		
TK-885K	450-470 MHz 25W; 8 MPT Networks (trunked); 32 CH (conventional)	\$350.00	\$583.00

TK-885K FEATURES:**GENERAL FEATURES**

- ☐ 25W UHF Transmit Power
- ☐ 12.5 kHz Channel Spacing
- ☐ 4 W Audio Power
- ☐ Inverting Front Panel (for speaker positioning)
- ☐ Back Lit Front Panel Dot Matrix LCD
- ☐ 12 Character Alphanumeric Display
- ☐ 3 Char. Sub-Display (RSSI bargraph)
- ☐ LCD Operational Icons
- ☐ Two Color LED (TX/Busy indicator)
- ☐ 4 Programmable Function Keys (lighted)
- ☐ Horn Alert Output (Prog.; KCT-19 Opt.)
- ☐ Public Address Output (KAP-1, KCT-19 Opt.)
- ☐ FootSwitch Input (Prog.; KCT-19 Opt.)
- ☐ Encryption/Scrambler Board Control
- ☐ TX Power Select
- ☐ Data Port I/O (KCT-19 option)
- ☐ Minimum Volume Setting
- ☐ Power On Text (message display)
- ☐ Timed Power Off
- ☐ Embedded Message (64 Char.)
- ☐ ESN Protected Network files
- ☐ Radio Password (Lock; DTMF mic+Call key)
- ☐ Data Password (Protected Programming)
- ☐ KPG-62D Windows PC Programming & Tuning
- ☐ Front Panel Test & Tune
- ☐ Flash ROM Firmware
- ☐ KES-3 External Speaker (compact)
- ☐ KES-5 External Speaker (req. KCT-19)
- ☐ MIL-Spec/Noise-Cancel Mic Options
- ☐ MILSTD810 C, D & E (9 categories)

CONVENTIONAL MODE

- ☐ 32 Channels (Conventional Mode)
- ☐ QT/DQT Encode & Decode
- ☐ Normal Scan (No Priority)
- ☐ Scan Revert (Last Call, Selected or Used)
- ☐ TX Power In Conventional Mode (high or low)
- ☐ Companded Audio in Conventional Mode
- ☐ Off Hook Scan / Off Hook Decode
- ☐ Time Out Timer (Pre-Alert, Re-Key, Reset)
- ☐ Busy Channel Lockout
- ☐ DTMF Encode (KMC-28A Option; conv. only)

TRUNKED NETWORK MODE***

- ☐ 8 Network Capacity
- ☐ Individual Call
- ☐ Group Call
- ☐ Broadcast Call (dispatcher to all fleets call)
- ☐ Priority Call (unit placed top of queue in network)
- ☐ Emergency Key Function (Network only)
- ☐ Emergency Call (specific net address/ tel. no.)
- ☐ Status Message Call (32, 12-Char. statuses)
- ☐ Power On/Off Statuses
- ☐ Full Off Air Call Setup (conserves network link resources)
- ☐ PTT Initiates Call
- ☐ Conventional Mode (manual PF key)
- ☐ Auto Conventional Mode- auto switches to conventional mode when no control ch. present).
- ☐ The "Trunking Search - automatically switches back to Trunked Mode mode (or alert-only) when a control ch. is detected.
- ☐ Own Call Diversion (call forwarding)
- ☐ Third Party Call Diversion (call forwarding)
- ☐ Call Queuing (incoming call queuing)
- ☐ Network Call Queuing (outgoing call queuing)
- ☐ Include Call ("late entry" conversation joining)
- ☐ NOS Call (3-digit priority call to net operator)
- ☐ Technician Call (8-digit dial call for net techs)
- ☐ Don't Disturb Call (block voice, data or all calls)
- ☐ 99 Call Address Table (call units)
- ☐ 32 Group Address Table (receive gr)
- ☐ Home Key (one touch to Home Address)
- ☐ Network Formatted Dialing (1343 compatible)
- ☐ Dial Key (pre-programmed dial strings executed)
- ☐ Re-Dial Key (recalls last 3 dialed calls)
- ☐ Network Select (manual selection of networks)
- ☐ Normal/Status/Stack Mode Select
- ☐ Stack Mode Auto-reset Timer
- ☐ CALL Key (initiate call)
- ☐ Clear Key (initiate call & PTT)
- ☐ Short Data Message Call (on control channel)*
- ☐ Non-Prescribed Data (on traffic channel)*
- ☐ Companded Audio Per Network
- ☐ TX Power in Trunked Mode (high or low only; RSSI auto n/a on mobile)

*Require external network compatible data hardware/dispatch applications software

IMPORTANT NOTES

The TK-885 "network trunking" model differs from an 80-Series model. **Most notable, the TK-885 DOES NOT support the following features/options:**

- ☐ 25 kHz Channel Spacing (12.5 kHz only)
- ☐ Priority Scan (normal scan only)
- ☐ LTR Trunking
- ☐ FleetSync Encode/Decode
- ☐ ANI Boards / PTT ID Features
- ☐ Emergency ANI Features (network Emergency Call only)
- ☐ DTMF or 2-Tone Decode Features
- ☐ PassPort Trunking Network Options
- ☐ KDS-100 (KCT-34/36)
- ☐ KGP-2A/2B (KCT-34/36)

***TK-385/885 Trunked network features/operation listed may not be available depending on brand network controller used or network operator provisioning.



Accessories for the TK-885K Mobile Radio

Model	Description	Dealer	List
<u>MOBILE INSTALLATION ACCESSORIES</u>			
KAP-1	Horn Alert/P.A. Relay Option (requires KCT-19)	24.00	40.00
KCT-18	Ignition sense cable (requires KCT-19)	7.80	13.00
KCT-19	Accessory connector cable (for ignition sense, horn alert, KSP- spkrs, & Data Port)	12.60	21.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	24.00	39.50
KMB-6	Mobile mounting bracket (same as supplied)	7.00	12.00
KMB-10	Key lock adapter (for both KMB-4 & 6)	15.00	25.00
<u>CONTROL STATION INSTALLATION ACCESSORIES</u>			
KCT-31	PC Serial Interface cable (mobile-to-PC connection for MAP27 applications or Kenwood serial data) Note: Order L-918 for Kenwood installation	42.00	70.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00
KMB-20	Control Station Mounting Case for KPS-14/15 Power Supplies (mobile mounting hardware included) For 60/60G/60H/60HG/62H/62HG/60H/60HG/80-series mobiles	15.00	25.00
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) *Compatible with medium & high power compact mobiles only: 60/60G/60H/60HG/62H/62HG/60H/60HG/80/50-Series mobiles; See KMB-20 mounting case	99.00	167.00
<u>MICROPHONES AND SPEAKERS</u>			
KES-3	External speaker (compact low profile; black case; 3.5 mm plug-in)	25.20	42.00
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" (requires KCT-19)	35.00	59.00
KMC-27A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug)	59.40	99.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) --- same as supplied with radio	24.00	40.00
KMC-28A	MIL-SPEC & Noise Canceling dynamic mobile microphone (8-pin mod. plug) w/ DTMF	93.00	155.00
KMC-32	Low Profile DTMF Microphone (8-pin mod. Plug)	40.00	67.00
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug)	49.20	82.00
<u>SERVICE RELATED ACCESSORIES</u>			
KPG-46	Mobile Programming interface cable (8-pin mic jack mobiles) for 60G/62G/80/85 Series Mobiles	109.00	N/A
KPG-62DK	P.C. Programming Software for TK-385/885 (Windows 98, 2000, Me & XP compatible) Important: The KPG-62DK includes a Dealer/Reseller Level License ID for limited subscriber unit programming privileges. A Network Level License ID (at no additional charge) is required for full system operator subscriber unit privileges; contact Kenwood R&D Engineering Manager, Suwanee, Georgia office for issuance 678-474-4700.	59.00	N/A
*****	Call Kenwood Parts at 800-367-7514 to order the following:		
J29-0627-13	Mounting bracket for TK-780/880/980/981 --- same as supplied w/ radio	4.14	7.04

Installation / Tuning Charges for the TK-780/880 Series Radios

Model	Description	Dealer	List
L-918	Install KCT-31 in mobile (order KCT-31 separately)	12.60	21.00

Land-Mobile Price List

TK-480/481

800/900 MHz Trunked Hand Held Radios

Model	Description	Dealer	List
800 MHz	1100 mAh/ 8-Hour Battery (KNB-16A) , Antenna and Spring Action Belt Clip included		
TK-480SK	(LTR® - compatible) Trunked/Conv. sys., 2.5 watt, 32 Systems x 250 Groups	\$335.00	\$558.00
TK-480SK2	Same as above with DTMF Key Pad	360.00	600.00
L-853	Install NPSPAC firmware in TK-480SK/SK2 800 MHz models	50.00	84.00
Other required Items: KPG-35D V2.00 or higher (released 10/1/98) permits "per channel" NPSPAC programming capability. NPSPAC and Passport capability are not available in the same firmware option.			
900 MHz	1100 mAh/8 Hour Battery (KNB-16A) , Antenna and Spring Action Belt Clip included		
TK-481SK	(LTR® - compatible) Trunked/Conv. sys., 2.5 watt, 32 Systems x 250 Groups	350.00	583.00
TK-481SK2	Same as above with DTMF Key Pad	370.00	616.00

LTR® is a registered trademark of E.F. Johnson Co.

TK-480/481 FEATURES:

GENERAL FEATURES

2.5W 800 & 900 MHz Models
NPSPAC firmware option
Programmable Power Per Channel
Companded Audio Per Channel
500 mW Audio Power
Lighted Front Panel Dot Matrix LCD
10 Character Alphanumeric Display
3 Numeric Character Sub-Display
Dot Matrix Lighted LCD
LCD Operational Icons
Two Color Tri-State LED
5 Programmable Function Keys (lighted)
DTMF Keypad Models
Shift Key Function (keypad models)
Optional Speaker Mic (w/ 2 PF Keys)
Recessed Orange Emergency/AUX Key
Encryption/Scrambler Board Control
ANI Board Control
PTT ID Side-Tone (ANI Boards)*
PTT ID TA Inhibit*
Emergency Type (FS, DTMF, ANI Brd.)*
Emergency Calling Feature
Key Lock Feature
DTMF Decode Selective Call
DTMF Deadbeat Disable
DTMF PTT ID & DTMF Emergency ID*
Alert with Transpond (DTMF)*
Call Alert Tone: Mom or Continuous
(DTMF & FleetSync)*
Auto-Dial Memory (32 numbers)
Key Lock Feature
Low Battery Alert

Weather-Sealed Accessory Connector
PTT Release Tone
Minimum Volume
Control Tones On/Off
Embedded Message (64 Char.)
Data Password ("Anti-piracy")
Radio Password (Radio Lock)
Clone Capability (enable/disable)
Front Panel Self Programming & Tuning
PC Programming & Tuning (DOS)
Flash ROM Firmware
NPSPAC Firmware Option (TK-480)
MIL810 C, D & E (11 categories)



Keypad model

TRUNKED FORMAT

32 Systems (max.)
Trunked LTR & Conventional Systems
250 Group IDs (aggregate max.)
Single Priority Scan (within any Conv. System only)
Scan Delete/Add
QT/DQT Encode & Decode, BCL, TOT & TA (Conv.)
LTR Talk Around / Scan Revert Group Display
System Scan & Group Scan / Auto System Search

FLEETSYNC

PTT ID (Digital ANI; 100 ID List capacity*)
Caller ID Display (per CH; BOT only)*
Caller ID Stack (last 3 calls)*
Status Messaging (50 Msg. List capacity*)
70 Custom Dispatch Messages
9 Reserved Special Use Messages
ST# 98 - Man Down Emergency (portables)*
ST# 99- Emergency Status
ST# 88- Emergency Mode Off*
ST# 89- Horn Alert Request* (mobiles)
ST# 90- Stun radio (No TX)
ST# 91- Stun radio (No TX / No RX audio)
ST# 92- Turn off Stun
ST# 93- ACK stun is ON
ST# 94- ACK stun is OFF
ST# 80-87, 95-97 (Reserved for future use)
Selective Call
Short Text Messages** (stored/display)
*** Features added in Ver. 2 radios**
**** Fleetsync Enhanced Option required - NOT factory installed on these models; please purchase separately.**

INCLUDED ITEMS: Spring Action Belt Clip
Instruction Manual

Important Note:

The TK-480/481/980/981 only operate in "Trunked Format" (LTR & Conventional systems). These are not "Dual Format" radios like the TK-280/380/780/880 mobiles which operate in either Trunked Format (LTR & Conventional systems) or Conventional Format (traditional conventional channel organization with priority scan).

Accessories for the TK-480/481 Series Radios

Model	Description	Dealer	List
ANTENNAS			
<i>Call Kenwood Parts at 800-367-7514 to order the following (not available through the LMR Order Desk):</i>			
T90-0636-25	Replacement Part: 800 MHz Whip Antenna for TK-480	\$18.81	\$31.04
T90-0640-25	Replacement Part: 900 MHz Whip Antenna for TK-481	19.38	31.98
BATTERIES AND CHARGERS			
KBP-4 ⁵	AA Alkaline Refillable Battery Pack for TK-290/390/280/380 (12 AA Alkaline 9V) Battery cells not incl.	\$24.60	\$41.00
KNB-16A	1100 mAh/8 Hour, 7.2 VDC Ni-Cd battery	34.00	57.00
KNB-17A	1500 mAh/10 Hour, 7.2 VDC Ni-Cd battery	40.00	67.00
KNB-17BK ^{1, 2}	Intrinsically Safe Battery 1500 mAH, 7.2 VDC (4/5W), Nicad battery [I.S. Certified]	60.00	100.00
KNB-21N ⁶	1600 mAh NiMH (more than 10 hours life @ 5-5-90) - requires KSC-24 charger Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	36.00	60.00
KNB-22N ⁶	2100 mAh NiMH (more than 13 hours life @ 5-5-90) - requires KSC-24 charger Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases. Intrinsically Safe version NOT available.	42.00	70.00
KMB-14	Six Unit Charger Adapter for the KSC-15/16/17/18/19 (chargers not included)	99.00	165.00
KMB-16	Six Unit Charger Adapter for the KSC-20/24/25 rapid rate (chargers not included)	99.00	165.00
KMB-23	Six Unit Charger Adapter for the KSC-24 rapid rate chargers (chargers not included) Small footprint (13"Wx7.8"Hx11.7"D); 2 tiered rows hold 3 KSC-units each.	109.00	182.00
KSC-19	Regular rate single unit desk charger for NiCd batteries only: KNB-16/17A/17B	21.00	35.00
KSC-19M	220 volt regular rate single unit desk charger for NiCd batteries only: KNB-16/17A/17B	21.00	35.00
KSC-24	110 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KSC-24E	220 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	35.40	59.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15,17,19 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter) Note: NOT compatible with NiMH batteries (KNB-20N/21N/22N); Compatible w/NiCd batteries	36.00	60.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16,18,20, 24,25 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter) Note: Compatible with NiMH batteries (KNB-20N/21N/22N) & NiCd batteries when used with the KSC-24	48.00	80.00
KVC-5A ³	Drop-in Vehicular D.C. Charger for 80/90 Series Portables Note: Compatible with the KNB-16/17A/17B21N/22N (Replacement for KVC-5)	204.00	340.00
CARRYING ACCESSORIES			
KBH-8 ⁴	Spring action belt clip (See important instructions below) - Same as Supplied	4.80	8.00
KBH-8DS ⁴	Swivel belt loop with D-Ring	15.00	25.00
KLH-58BC	Bungi-cord for KLH-58/60/71/75/76	2.10	3.50
KLH-6SW	Swivel belt loop / detachable swivel back for KLH-58/60/70/71/75/76/78/79/83/112	12.60	21.00
KLH-75B	Heavy duty leather carrying case for TK-280/380/480/481	25.20	42.00
KLH-76B	Heavy duty leather carrying case for TK-280/285/380/480/481 DTMF keypad models	25.20	42.00
KLH-85	Cordura Nylon carrying case for TK-280/380/480/481 DTMF keypad models (Black)	15.00	25.00
KLH-86	Cordura Nylon carrying case for TK-280/285/380/480/481 (Black)	15.00	25.00
KLH-92	Heavy duty leather carrying case for TK-280/380/480/481 DTMF keypad models w/ KBP-4	25.20	42.00
KWR-1	Water resistant bag	17.00	29.00
MICROPHONES AND SPEAKERS			
KEP-1 ¹	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker mics (black only) [I.S. Certified]	30.00	50.00
KCT-30 ¹	3.5mm Audio Accessory Adapter for KEP-3/4 [I.S. Certified]	36.60	61.00
KEP-3 ¹	Earphone kit w/3.5mm plug for KCT-30, 30" Cable (black) [I.S. Certified]	29.40	49.00
KEP-4 ¹	Earphone kit w/3.5mm plug for KCT-30, 48" Cable (black) [I.S. Certified]	31.20	52.00
KMC-25 ¹	Mil Spec, Noise Canceling, Speaker microphone [I.S. Certified]	55.20	92.00
KHS-11BE ¹	2-wire palm mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	89.40	149.00
KHS-11BL ¹	2-wire palm mic w/earphone, universal connector (Black) [I.S. Certified]	89.40	149.00
KHS-12BE ¹	3-wire mini lapel mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	105.00	175.00
KHS-12BL ¹	3-wire mini lapel mic w/earphone, universal connector (Black) [I.S. Certified]	105.00	175.00
KHS-14 ¹	Lt. Wt. Single muff headset w/boom mic & In-line PTT, universal connector (Blk) [I.S. Certified]	72.00	120.00
KHS-15-BH ¹	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db; [See Note B] [I.S. Certified]	240.00	400.00

KHS-15-OH ¹	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db [See Note B] [I.S. Certified]	210.00	350.00
Note A: "Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time.			
Note B: Heavy-duty headsets; Allow min. 4 weeks delivery time.			

Accessories for the TK-480/481 Series Radios

Model	Description	Dealer	List
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QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired G-Star (L-901) or MDC-1200 (L-902) ANI format labor code.
 2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
 3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk
- All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).
- a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
 - b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).

Dealers can purchase a QE-2 programmer , Model QPF-2, direct from Cimarron Technologies Call 800-487-7184
www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down L-901 or L-902	Important Factory Install Only –Order	76.80	128.00
CAE-3	Emergency Man-Down Internal Tilt Switch (mercury switch) [Factory Install Only – Must order L-845]. The CAE-3 is only sold for use w/Cimarron ANI Option modules for man-down emergency [I.S. Certified]		12.60	21.00

SERVICE RELATED ACCESSORIES

KPG-36	Programming interface Cable		53.00	N/A
KPG-49D	P.C. Programming Software for TK-280/380/480/481/780/880/980/981		39.00	N/A
KPG-63D	PassPort Radio Programming Software V2.00 or higher		39.00	65.00
KPG-64D	PassPort ESN Field Installation Software		6.00	10.00
*****	Call Kenwood Parts at 800-367-7514 to order the following:			
E30-3325-05	Portable-to-Portable Cloning cable (For TK-290/390/480/481 Only)		45.00	65.00

Installation / Tuning Charges for the TK-480/481 Series Radios

Model	Description	Dealer	List
L-826	Tune TK-480/481	\$10.00	\$17.00
L-328	Change Battery	0.00	0.00
L-822	Assemble KMB-14 with six KSC-19's (Regular Rate, 120 volt version only!)	9.00	15.00
L-834	Configure TK-480/481 for Intrinsically Safe (Must Order KNB-17BK) Note: Please see end of this pricepages section for a list of Intrinsically Safe Accessories for this radio.	42.00	70.00
L-836	Assemble KMB-16 with six KSC-24's (Rapid Rate, 120 Volt version only)	9.00	15.00
L-961	Assemble KMB-23 with six KSC-24/25/32 (Rapid Rate, 120 Volt versions only)	10.00	17.00
L-837	Install KNB-17A/17BK battery	0.00	0.00
L-845	Install CAE-3 (portable only)	5.00	9.00
L-853	Install NPSPAC firmware in TK-480 models only	50.00	84.00
	Note: NPSPAC and Passport capability are not available in the same firmware option.		
L-876	Install PassPort ESN / Firmware Option (1-24 qty.)	40.80	68.00
L-877	Install PassPort ESN / Firmware Option (25-99 qty.)	35.00	68.00
L-878	Install PassPort ESN / Firmware Option (100 qty.)	30.00	68.00
L-892	PassPort ESN & Firmware disk (1-24 qty.)	40.80	68.00
L-893	PassPort ESN & Firmware disk (25-99 qty.)	35.00	68.00
L-894	PassPort ESN & Firmware disk (100 qty.)	30.00	68.00
L-901	Program and install QE-2 MDC1200 Encoder	45.00	75.00
L-902	Program and install QE-2 G-Star® Encoder	45.00	75.00

IMPORTANT INSTRUCTIONS

¹ For intrinsically safe models TK-[190]/280/380/290/390/480/481: Meets Intrinsically Safe Classes I, II & III, Div. 1, Groups C, D, E, F, G hazardous locations and Non-Incendive Class I, Div. 2, Groups C, D hazardous locations.

² **Important Note Regarding Intrinsically Safe Certification:** Using an Intrinsically Safe battery on a radio does not constitute an Intrinsically Safe (I.S.) radio. All Kenwood I.S. radios must be certified at Kenwood by inspection, logging & proper labeling. The appropriate I.S. labor code must be specified on all I.S. radio orders and the proper model I.S. battery must be used with the radio. Kenwood I.S. batteries can be purchased separately for existing Kenwood certified I.S. radios. Intentionally or inadvertently representing a Kenwood radio as I.S. without proper Kenwood certification can result in serious safety and/or legal liability issues for your company.

³ **KVC-5 & KVC-6 has the following features:** Accommodates Speaker/Microphones of KMC-25/26 (for KVC-5), and KMC-17/21 (for KVC-6), with retainer brackets; Rapid Charge LED (red) -- "on" when portable radio is properly seated and battery is in rapid charge mode, Trickle Charge LED (green) -- "on" when the battery is fully charged and the charger is in the trickle charge mode, repeat enable LED (yellow) -- "on" when the Automatic Enable switch is on and the portable is removed (it goes "off" when portable is inserted), and Automatic Repeat Enable Switch (activates the vehicular repeater units, e.g. Pyramid Communications brand SVR units). Note: These units are ONLY charger units. They are NOT vehicular adapters with RF, P.A., AF P.A., antenna connector, speaker & mobile hand mic. (a.k.a.; "console", "vehicular console", "convert-a-com", "jerk & run").

⁴ Retain the screws included with the metal belt clip (included with radio). These are required to attach the KBH-8 or KBH-8DS. Screws also available from Parts Dept.: Part # N99-2004-05.

⁵ AA refillable packs DO NOT meet any of the MIL-STD environmental standards, nor are they water-resistant or Intrinsically Safe approved.

Actual battery life is dependent on battery condition, type, quality, temperature, and use habits. Alkalines exhibit non-linear voltage vs. current drain characteristics, therefore radio transmit power will lower and decrease during transmit and as the battery is drained. Nominal Life (hrs.) 5-5-90 duty cycle, battery save off, scan off. See chart below:

Transmit Power	1W	2W	4/5W
Nominal Battery Life (hrs.)	18		

⁶ **Important Note regarding KNB-21N/22N:**

- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
- NiMH batteries capacity life is slightly lower than NiCd: **NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles**

Intrinsically Safe Accessories for the TK-480/481 Series Radios

Model	Description	Dealer	List
BATTERIES			
KNB-17BK ^{1,2}	Intrinsically Safe Battery 1500 mAh, 7.2 VDC (4/5W), Nicad battery [I.S. Certified]	60.00	100.00
MICROPHONES AND SPEAKERS			
KEP-1 ¹	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker mics (black only) [I.S. Certified]	30.00	50.00
KCT-30 ¹	3.5mm Audio Accessory Adapter for KEP-3/4 [I.S. Certified]	36.60	61.00
KEP-3 ¹	Earphone kit w/3.5mm plug for KCT-30, 30" Cable (black) [I.S. Certified]	29.40	49.00
KEP-4 ¹	Earphone kit w/3.5mm plug for KCT-30, 48" Cable (black) [I.S. Certified]	31.20	52.00
KMC-25 ¹	Mil Spec, Noise Canceling, Speaker microphone [I.S. Certified]	55.20	92.00
KHS-11BE ¹	2-wire palm mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	89.40	149.00
KHS-11BL ¹	2-wire palm mic w/earphone, universal connector (Black) [I.S. Certified]	89.40	149.00
KHS-12BE ¹	3-wire mini lapel mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	105.00	175.00
KHS-12BL ¹	3-wire mini lapel mic w/earphone, universal connector (Black) [I.S. Certified]	105.00	175.00
KHS-14 ¹	Lt. Wt. Single muff headset w/boom mic & In-line PTT, universal connector (Blk) [I.S. Certified]	72.00	120.00
KHS-15-BH ¹	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db; [See Note B] [I.S. Certified]	240.00	400.00
KHS-15-OH ¹	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db [See Note B] [I.S. Certified]	210.00	350.00
Note A: "Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time.			
Note B: Heavy-duty headsets; Allow min. 4 weeks delivery time.			

QE-2 G-Star®/ MDC1200 DIGITAL ANI MODULES by Cimarron Technologies

How to Order: Please see QE-2 Information and Order Sheet available from LMR Order Desk

1. Select the proper model/ quantity of radios, desired G-Star (L-901) or MDC-1200 (L-902) ANI format labor code.
 2. Refer to the "QE-2 MDC-1200 Information/Order Sheet" available from the LMR Order Desk; select the ID format, ID codes and other feature options
 3. Fax the Order Sheet with your radio order to your authorized Kenwood Rep or LMR Order Desk
- All order sheet items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).
- a. Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.
 - b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).

Notes:

Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option (portables only).

Dealers can purchase a QE-2 programmer, Model QPF-2, direct from Cimarron Technologies Call 800-487-7184
www.cimtechcorp.com

QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down L-901 or L-902	Important Factory Install Only –Order	76.80	128.00
CAE-3	Emergency Man-Down Internal Tilt Switch (mercury switch) [Factory Install Only – Must order L-845]. The CAE-3 is only sold for use w/Cimarron ANI Option modules for man-down emergency [I.S. Certified]		12.60	21.00

Transcrypt Secure Technologies Encryption

The following Transcrypt Secure Technologies encryption accessories (available from Transcrypt) and TK-280/380/480/481 combination when installed according to Transcrypt instructions meet Intrinsically Safe Classes I, II & III, Div.1, Groups C, D, E, F & G hazardous locations and Non-Incendive Class I, Div. 2, Groups C, D hazardous locations:

- SC20-400 (Compatible w/ TK-480 only, and NOT w/ TK-481)
- SC20-416-12
- SC20-430-12
- SC20-460-12

For more information on Transcrypt encryption please visit their website at www.transcryptsecure.com or contact them at:

Transcrypt Secure Technologies

4800 NW 1st Street, Suite 100

Lincoln, NE 68521

Phone: 402-474-4800

Fax: 402-479-8472

FleetSync™ General Information

The 140, 150 & 80-Series radio firmwares include both the full set of FleetSync™ Basic and FleetSync Enhanced feature sets. However, the TK-2140/3140 & the TK-480/481/980/981 radios require the "FleetSync™ Enhanced" Option to be ordered to "enable" the enhanced feature set. As of 10/01/02, the TK-280/380/780/880/7150/8150 come with the FleetSync enhanced option pre-enabled.

FleetSync™ Basic - "Basic" features are available in each radio as shipped from Kenwood (no activation is required). The entire Basic feature set is designed to operate between FleetSync™ base and fleet radios (within the limitations of the radio controls and LCD display capabilities). Some Basic feature sets require a vendor-supplied base dispatch hardware and/or software for practical dispatch operations.

~ **PTT ANI (fleet portables/mobiles)** - digital ANI sent on each PTT using the FleetSync™ ID.

~ **Caller ID / Caller ID Stack** ¹ (portables/mobiles)- decodes an incoming PTT ID and displays the caller alphanumeric tag; Caller ID Stack stores the last 3 calls for review.

~ **Selective Call** (portables/mobiles) - allows base-to-fleet and fleet-to-fleet selective calling via a pre-stored 100 ID list ². Each ID can have an 16 character alphanumeric tag for easy selection and Caller ID recognition.

~ **Status Messaging** (portables/mobiles)- provides up to 50 pre-stored sixteen-character alphanumeric messages ³ permitting a base to send a larger variety of job-type messages and fleet radios to display and respond accordingly with complimentary acknowledgements (includes special reserved Emergency, Emergency Man-down*, Emergency Mode Off *, Horn Alert (mobiles)* and Radio Stun/Acknowledge/Resurrect statuses are available).

¹ 80-Series: starting with Ver. 2.0 radios;

² 80-Series: starting with Version 2.0 radios only; previous versions had a 32 ID capacity;

³ 80-Series: starting in Version 2.0 radios only; previous versions had a 32 Status Message capacity

FleetSync™ Enhanced Option- The FleetSync™ Enhanced Option, if not already pre-enabled, must be "enabled" in the radio by ordering the appropriate labor codes for a Kenwood install or ordering the appropriate quantities of FS Enhanced options loaded in hardware key(s) and a KPG-65ED as a dealer field retrofit kit (see model price lists). This enables the following Enhanced features in addition to the Basic feature set:

~ **PC Serial Control** (mobiles only)- PC Serial Interface enables serial line communications between an 80-Series mobile radio and a FleetSync compatible computer software application or peripheral device (enables the serial COM port I/O's of an 80-Series mobile) such as CAD/messaging, AVL/messaging software and devices such as status messaging units, desktop ANI encoder/decoder units and mobile data terminals (check with vendor).

~ **Short Text Messaging** (portables/mobiles)- decodes, stores and displays in the radio up to four 48-character Short Text messages

~ **Long Text Messaging** (mobiles only)- decodes and stores one 1024-character message for output to an external KDS-100 or decode-display device. A Long Text message is NOT stored in mobile memory or displayed in the mobiles LCD.

~ **FleetSync™ GPS Data** (mobiles only; requires special modifications)- FleetSync™ Enhanced option enables a FleetSync mobile to use the NMEA-0183 GPS serial data output (in RS-232C format) from a GPS receiver and send this data in the FleetSync™ air protocol data format (the type GPS data sent is programmable in the mobile). This requires the FleetSync™ Enhanced option in both fleet and base mobiles; an aftermarket GPS receiver (internal or external); special hardware modifications to connect the GPS receiver. Call Kenwood technical support for GPS receiver application notes and see Mannina Rastrac information in the AVL price pages for software.

FleetSync™ for 80-Series Portables & Mobiles

Installation / Tuning Charges

Model	Description	Dealer	List
Kenwood-installed FleetSync Enhanced Option			
L-875	FleetSync™ Enhanced Option- enable in 80-Series (mobile/portable)	30.00	50.00
Dealer-installed FleetSync Enhanced Options			
	Note: Instead of L-875, options L-905/906/907; SRB08698 Hardware Key and KPG-65ED can be purchased for dealer field installation of the FleetSync™ Enhanced option		
L-905	FleetSync™ Enhanced Option (field retrofit) for 80-series; Price each for qty. 1-24	30.00	50.00
	Note: Must order SRB08698 Hardware Key also; requires KPG-65ED		
L-906	FleetSync™ Enhanced Option (field retrofit) for 80-series; Price each for qty. 25-99	25.00	50.00
	Note: Must order SRB08698 Hardware Key also; requires KPG-65ED		
L-907	FleetSync™ Enhanced Option (field retrofit) for 80-series; Price each for qty. 100+	20.00	50.00
	Note: Must order SRB08698 Hardware Key which holds 100 ESN's maximum; multiple keys must be orders over 100. Also requires KPG-65ED.		
SRB08698 ²	Hardware Key (Sentinel Super Pro)	50.00	N/A
	Note: SRB08698 hardware key holds 100 ESN's maximum; multiple keys must be purchased for orders over 100.		
KPG-65ED ³	FleetSync™ Enhanced Option Installation Software	6.00	10.00
	Note: Required for L-905/906/907 & SRB08698 use. This software is re-usable on future orders of L-905/906/907		

Option Notes:

1. KPG-49D: As of June 2001, 80-Series "Version 2.0" radio productions were released (see LMR Sales Bulletin I-01-26LM for details).
~ KPG-49D V3.XX programming software is required for Version 2.0 radios. KPG-49D V3.XX programming software will program all early (pre-VER 2.0) radios except the early TK-480/481 production (the KPG-35D must be used). On all other models, the 2-tone data defaults to factory settings and will require re-entry.
~ KPG-49D V2.XX or earlier will not program any new Version 2.0 radios. V2.XX programs pre-Version 2.0 radios that were the first version to include FleetSync (TK-280/380/780/880/980/981-production starting 7/99 and TK-980/981 production starting 3/99).
~ KPG-49D V1.XX should be retained to program older TK-280/380/780/880 radios that do not have FleetSync™ capability; the KPG-35D V1.XX should be used to program earlier TK-480/481 radios that do not have FleetSync.
2. The SRB08698 hardware key requires L-905, 906 or 907 options to be loaded into it. The hardware key requires the KPG-65ED to activate FleetSync™ Enhanced Options in an 80-Series radio. The SRB08698 hardware key can be returned when empty for 50% credit. Call the LMR order desk for an RMA#. Credit will NOT be issued for the L-905/906/907 options.
3. The KPG-65ED is a one-time order and may be re-used on future orders of L-905/906/907. The SRB08698 hardware key must be installed

PassPort Options (Kenwood-installed) FOR NEW RADIO ORDERS ONLY

Ordering Instructions

For 800/900 MHz models TK-480/481/980/981 new radio orders, the Kenwood-installed Passport ESN / firmware option is available for a charge:

1. Order the ESN/Firmware option per L-876, L-877 or L-878

Other required items:

- a. KPG-63D Radio Programming Software: the KPG-63D is required to program all PassPort parameters for all PassPort™ enabled radios, the KPG-63D will not program LTR or conventional parameters.
- b. KPG-49D is required only if LTR or conventional systems are to also be programmed in the PassPort radio.

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
Labor Code			
L-876	Install PassPort™ ESN options and firmware in TK-480/481/980/981 · 1-24 qty. lot price; Price is per ESN · The latest PassPort™ radio firmware will be installed	\$40.80	\$68.00
L-877	Install PassPort™ ESN options and firmware · 25-99 qty. lot price; Price is per ESN · The latest PassPort™ radio firmware will be installed	35.00	68.00
L-878	Install PassPort™ ESN options and firmware · 100 qty. lot price; Price is per ESN · The latest PassPort™ radio firmware will be installed	30.00	68.00
L-938	Install PassPort™ ESN options and firmware in TK-380/880 models (with new radios purchases beginning 10/1/02)	0.00	0.00
PassPort™ Radio Programming Software			
KPG-63D	PassPort™ Radio Programming Software V2.00 or higher	39.00	65.00

PassPort Options (Field-installation kits)

FOR DEALER / OPERATOR FIELD CONVERSIONS

Ordering Instructions

1. Order the ESN key/firmware Labor Code options: L-892, L-893 or L-894; specify model radio(s).

Pre-loaded ESN hardware key(s) with the ordered quantities of ESN's and a PassPort™ radio firmware diskette will be shipped (100 ESN's maximum per hardware key). **Important: Any depleted key previously registered to a technicians computer must be retained to register any new purchased key to the computer; please retain the old key until the new one is received.**

2. Other required items:

- a. KPG-64D: PassPort™ ESN Install Program: the KPG-64D only needs to be ordered one time. It is re-usable for subsequent ESN orders (unless an upgrade is recommended).
- b. KPG-63D Radio Programming Software: required to program all PassPort parameters for all PassPort™ enabled radios, the KPG-63D will not program LTR or conventional parameters.
- c. KPG-49D Radio Programming Software: required only if LTR or conventional systems are also to be programmed in the PassPort radio.

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-892	PassPort™ ESN Options & PassPort™ firmware disk(SPECIFY RADIO MODEL) · 1-24 qty. lot price; Price is per ESN	\$40.80	\$68.00
L-893	PassPort™ ESN Options & PassPort™ firmware disk(SPECIFY RADIO MODEL) · 25-99 qty. lot price; Price is per ESN	35.00	68.00
L-894	PassPort™ ESN Options & PassPort™ firmware disk(SPECIFY RADIO MODEL) · 100 qty lot price; Price is per ESN · Maximum 100 ESN options per hardware key	30.00	68.00

Note: Sales of L-892, 893, 894 are NOT refundable. Purchaser has a 72 hour limit after receipt to report suspected hardware key defects or ESN shortages to Kenwood engineering, Suwannee office 678-474-4700

SRB08698	Hardware Key (Sentinel Super Pro)	50.00	83.33
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NOTES:

- Requires purchase of L-892, 893 or 894
- Sales of L-892, 893, 894 are NOT refundable
- Maximum 100 ESNs per hardware key
- Requires KPG-64D to download PassPort™ ESN options into an 80-Series radio.
- Important: The hardware key is registered to the computer that it is first used on; it cannot be used on other computers.
- Empty hardware keys can be returned for 50% credit; call the LMR order desk for RMA #.
- Important: Retain depleted keys until a new one is received. It will be required to register the new key to the same computer.

KPG-64D	PassPort™ ESN Field Installation Software V1.12	6.00	10.00
	· V1.12: supercedes V1.11; upgrade to V1.12 recommended for improved ESN file database features		

KPG-63D	PassPort™ Radio Programming Software V2.00 or higher	\$39.00	\$65.00
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Land-Mobile Price List

TK-2140/3140

VHF / UHF Trunking / Conventional Ultra Compact Portable Radios

Model	Description	Dealer	List
VHF	Spring Action Belt Clip incl.; Antenna, Battery & Charger not incl.		
TK-2140	136-174 MHz 5W, LTR-32 Systems, CONV-250 CH.	\$339.00	\$565.00
UHF	Spring Action Belt Clip incl.; Antenna, Battery & Charger not incl.		
TK-3140K	450-490 MHz 4W, LTR-32 Systems, CONV-250 CH.	349.00	582.00
TK-3140K2	470-512 MHz 4W, LTR-32 Systems, CONV-250 CH.	349.00	582.00
TK-3140K3	400-430 MHz 4W, LTR-32 Systems, CONV-250 CH.	349.00	582.00

TK-2140/3140 FEATURES:

GENERAL FEATURES

5W VHF / 4W UHF Transmit Power
Wide Band Frequency Ranges
12.5 / 25 kHz Channel Spacing
Programmable Power Per Channel
Companded Audio Per Channel (wide & narrow*)
500 mW Audio Power
10 Character Alphanumeric Display
3 Numeric Character Sub-Display
Dot Matrix LCD (Lighted)
LCD Operational Icons
Two Color Tri-State LED
5 Programmable Function Keys
Optional Speaker Mic (w/ 2 PF Keys)
Recessed Orange Emergency/AUX Key
PTT ID Side-Tone (FleetSync/DTMF ANI)
PTT ID TA Inhibit
Emergency Type (FleetSync & DTMF)
Emergency Calling Feature
Key Lock Feature
DTMF Decode Selective Call
DTMF Deadbeat Disable
DTMF PTT ID & DTMF Emergency ID
Alert with Transpond (2-Tone, DTMF)
Call Alert Tone: Mom or Continuous
(2-Tone, DTMF & FleetSync)
Auto-Dial Memory (32 numbers)
Key Lock Feature
Low Battery Alert
Battery Status LCD
Weather-Sealed Accessory Connector
PTT Release Tone
Tone Offset Volume; Alert Tone Freq.
Control Tones On/Off
Embedded Message (64 Char.)
Data Password ("Anti-piracy")
Radio Password (Radio Lock)
Clone Capability (enable/disable)
Front Panel Self Programming & Tuning
PC Programming & Tuning (DOS)
Flash ROM Firmware
Firmware Version (LCD)
MIL810 C, D & E (11 categories)
LiI-on / □ NiMH / NiCad Batteries (1400 / 2000 / 1200 mAh)
PassPort® Option (no charge)



CONVENTIONAL MODE

250 CH (aggregate max.)
Single Priority Scan
Single/Multi-Group Scan
Scan Revert Channel Display
Scan Delete/Add
Nuisance Delete
QT/DQT Encode & Decode
Operator Selectable Tone (16 OST)
2-Tone Decode (A, B, C, A-B, A-C, C-B; 3 decode pairs)
BCL, BCL Override, TOT & TA

TRUNKED MODE

32 Systems (max.)
Trunked LTR & Conventional Systems
250 Group IDs (aggregate max.)
Single Priority Scan (within any Conv. System only)
LTR Talk Around / Scan Revert Group Display
System Scan & Group Scan / Auto System Search
FLEETSYNC® / FLEETSYNC® II***
Programmable for either FleetSync® or FleetSync® II protocols
PTT ID (Digital ANI; 100 ID List capacity)
Caller ID Display (per CH; BOT only)
Caller ID Stack (last 3 calls)
Status Messaging (50 Msg. List capacity)
70 Custom Dispatch Messages
9 Reserved Special Use Messages
ST# 98 - Man Down Emergency (portables)
ST# 99- Emergency Status
ST# 88- Emergency Mode Off
ST# 90- Stun radio (No TX)
ST# 91- Stun radio (No TX / No RX audio)
ST# 92- Turn off Stun
ST# 93- ACK stun is ON
ST# 94- ACK stun is OFF
ST# 80-87, 95-97 (Reserved for future use)

Selective Call

Short Text Messages** (stored/display)

**** FleetSync Enhanced Option required**

***** FleetSync II air protocol is not compatible with the original FleetSync air protocol.**

INCLUDED ITEMS:

Spring Action Belt Clip
Instruction Manual

Accessories for the TK-2140/3140 Series Radios

Model	Description	Dealer	List
ANTENNAS			
KRA-14M	VHF helical antenna 148-162 MHz	\$10.20	\$17.00
KRA-14M2	VHF helical antenna 162-174 MHz	10.20	17.00
KRA-14M3	VHF helical antenna 136-150 MHz	10.20	17.00
KRA-15AM	UHF whip antenna 450-490 MHz	10.20	17.00
KRA-15AM2	UHF whip antenna 470-512 MHz	10.20	17.00
KRA-15AM3	UHF whip antenna 403-430 MHz	10.20	17.00
KRA-16M	VHF stubby antenna 148-162 MHz	7.80	13.00
KRA-16M2	VHF stubby antenna 162-174 MHz	7.80	13.00
KRA-16M3	VHF stubby antenna 136-150 MHz	7.80	13.00
KRA-17M	UHF stubby antenna 450-490 MHz	7.80	13.00
KRA-17M2	UHF stubby antenna 470-512 MHz	7.80	13.00
KRA-17M3	UHF stubby antenna 403-430 MHz	7.80	13.00
KRA-22M	VHF short helical antenna 148-162 MHz	7.80	13.00
KRA-22M2	VHF short helical antenna 162-174 MHz	7.80	13.00
KRA-22M3	VHF short helical antenna 136-150 MHz	7.80	13.00
KRA-23M	UHF short whip antenna 450-490 MHz	7.80	13.00
KRA-23M2	UHF short whip antenna 470-512 MHz	7.80	13.00
KRA-23M3	UHF short whip antenna 403-430 MHz		
BATTERIES AND CHARGERS			
KBP-5	AA Alkaline Refillable Battery Pack for TK-2140/3140 (6 AA Alkaline 9V) Battery cells not incl.	28.00	47.00
KNB-24L ^{1, 2}	1400 mAh, 7.2 VDC Lithium Ion battery (Intrinsically Safe battery; radio must have L-942 I.S. configuration option)	56.00	94.00
	NOTE: The KNB-24L is the only intrinsically safe battery approved for the TK-2140/3140; the KNB-25A and KNB-26N are not intrinsically safe approved.		
KNB-25A	1200 mAh, 7.2 VDC Ni-Cd battery	29.00	49.00
KNB-26N ⁴	2000 mAh, 7.2 VDC Ni-MH battery	40.00	67.00
KMB-16	Six Unit Charger Adapter for the KSC-20/24/25 rapid rate (chargers not included)	99.00	165.00
KMB-23	Six Unit Charger Adapter for the KSC-25 rapid rate chargers (chargers not included)		
	Small footprint (13"Wx7.8"Hx11.7"D); 2 tiered rows hold 3 KSC-units each	109.00	182.00
KSC-25	110 volt Rapid rate single unit tri-chemistry charger for KNB-24L/25A/26N	35.40	59.00
KSC-25E	220 volt Rapid rate single unit tri-chemistry charger for KNB-24L/25A/26N	46.20	77.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16,18,20, 24, 25 (chargers not included)	48.00	80.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-16,18,20,24,25 & 32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter) [Est. Availability: Jan 2005]	68.00	113.00
CARRYING ACCESSORIES			
KLH-114	Soft leather case for TK-2140/3140 (Black)	25.20	42.00
KLH-116	Heavy-Duty Leather Case w/Swivel Belt Loop for TK-2140/3140 (all batteries; black)	28.00	47.00
KWR-1	Water resistant bag	17.00	29.00
MICROPHONES AND SPEAKERS			
KEP-1 ¹	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker mics (black only) [I.S. Certified]	30.00	50.00
KCT-30 ¹	2.5mm Audio Accessory Adapter for KEP-3/4 [I.S. Certified]	36.60	61.00
KEP-3 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 30" Cable (black) [I.S. Certified]	29.40	49.00
KEP-4 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 48" Cable (black) [I.S. Certified]	31.20	52.00
KMC-25 ¹	MIL-SPEC, Noise canceling Speaker mic [I.S. Certified]	55.20	92.00
KHS-11BE ¹	2-wire palm mic w/earphone, universal connector. ("Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time). [I.S. Certified]	89.40	149.00
KHS-11BL ¹	2-wire palm mic w/earphone, universal connector (Black) [I.S. Certified]	89.40	149.00
KHS-12BE ¹	3-wire mini lapel mic w/earphone, universal connector. ("Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time). [I.S. Certified]	105.00	175.00
KHS-12BL ¹	3-wire mini lapel mic w/earphone, universal connector (Black) [I.S. Certified]	105.00	175.00
KHS-14 ¹	Lt. Wt. Single muff headset w/boom mic & In-line PTT, universal connector (Blk) [I.S. Certified]	72.00	120.00
KHS-15-BH ¹	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db; (Heavy-duty headsets; Allow min. 4 weeks delivery time). [I.S. Certified]	240.00	400.00
KHS-15-OH ¹	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db. (Heavy-duty headsets; Allow min. 4 weeks delivery time). [I.S. Certified]	210.00	350.00
SERVICE RELATED ACCESSORIES			
KPG-36	Programming Interface Cable 80/90/140-Series Portables	53.00	N/A



Kenwood USA Corporation
Communications Sector

Oct-04

Last Revised: 12/15/04

KPG-74D	P.C. Programming Software for TK-2140/3140	59.00	N/A
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Installation/Tuning Charges for the TK-2140/3140 Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-836	Assemble KMB-16 with six KSC-25	9.00	15.00
L-961	Assemble KMB-23 with six KSC-24/25/32 (Rapid Rate, 120 Volt versions only)	10.00	17.00
L-924	Tune TK-2140/3140	15.00	25.00
L-942	Configure TK-2140/3140 for Intrinsically Safe (Radio requires KNB-24L I.S. approved battery)	42.00	70.00

1. For intrinsically safe models TK-2140/3140: Meets Intrinsically Safe Classes I, II & III, Div. 1, Groups A, B, C, D, E, F, G hazardous locations and Non-Incendive Class I, Div. 2, Groups A, B, C & D hazardous locations.
2. Important Note Regarding Intrinsically Safe Certification: Using an Intrinsically Safe battery on a radio does not constitute an Intrinsically Safe (I.S.) radio. All Kenwood I.S. radios must be certified at Kenwood by inspection, logging & proper labeling. The appropriate I.S. labor code must be specified on all I.S. radio orders and the proper model I.S. battery must be used with the radio. Kenwood I.S. batteries can be purchased separately for existing Kenwood certified I.S. radios. Intentionally or inadvertently representing a Kenwood radio as I.S. without proper Kenwood certification can result in serious safety and/or legal liability issues for your company.
3. AA refillable packs DO NOT meet any of the MIL-STD environmental standards, nor are they water-resistant or Intrinsically Safe approved. Actual battery life is dependent on battery condition, type, quality, temperature, and use habits. Alkalines exhibit non-linear voltage vs. current drain characteristics, therefore radio transmit power will lower and decrease during transmit and as the battery is drained.
4. Important Note regarding KNB-26N NiMH battery:
 - NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
 - NiMH batteries capacity life is slightly lower than NiCd: NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles

FleetSync® for TK-2140/3140 Series Portables

This radios firmware includes both FleetSync® Basic and Enhanced feature sets. However, the "FleetSync® Enhanced" features must be "activated" in the radio by purchasing the FleetSync Enhanced Option.

FleetSync® Basic Features- "Basic" features are available in each radio as shipped from Kenwood (no activation is required). The entire Basic feature set is designed to operate between other FleetSync capable base and fleet radios. Some Basic feature sets require a base dispatch PC application software and/or dispatch hardware device for practical dispatch operations.

PTT ANI - digital ANI sent on each PTT using the FleetSync® ID.

Caller ID / Caller ID Stack - decodes an incoming PTT ID and displays the caller alphanumeric tag; Caller ID Stack stores the last 3 calls for review.

Selective Call - allows base-to-fleet and fleet-to-fleet selective calling via a pre-stored 100 ID list. Each ID can have an 16 character alphanumeric tag for easy selection and Caller ID recognition.

Status Messaging - provides up to 50 pre-stored sixteen-character alphanumeric messages permitting a base to send a larger variety of job type messages and fleet radios to display and respond accordingly with complimentary acknowledgement. Includes special reserved statuses for: Emergency, Emergency Man-down, Emergency Mode Off, Horn Alert (mobiles) and Radio Stun/Acknowledge/Resurrect statuses.

FleetSync® Enhanced Option Features- The FleetSync® Enhanced Option must be "activated" in the radio at an extra charge by ordering labor code L-928 for a Kenwood install or by ordering the appropriate quantities of 925/926/927, SRB08698 and KPG-65ED dealer field retrofit options. This enables the following enhanced features in addition to the Basic feature set:

PC Serial Control (mobiles only)- PC Serial Interface enables mobile COM port I/O serial data line for communications between an FleetSync®-capable mobile radio and a FleetSync®-compatible PC application software or a peripheral device (e.g. KDS-100).

Short Text Messaging - decodes, stores and displays up to four 48-character Short Text messages

Long Text Messaging (mobiles only)- decodes and stores one 1024-character message for output to an external MDT or decode-display device.

FleetSync®-AVL (mobiles only)- embeds GPS NMEA information in FleetSync® data packets and sends them to a base/control station interfaced with a FleetSync®-AVL compatible software.

Installation / Tuning Charges for FleetSync®

Model	Description	Dealer	List
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To program all 140-Series radio parameters (including FleetSync parameters):

KPG-36	Programming Interface Cable	\$53.00	N/A
KPG-74D	P.C. Programming Software for TK-2140/3140 portable (Windows 95/98 compatible)	59.00	N/A

Kenwood Installed FleetSync Enhanced Option

L-928	FleetSync™ Enhanced Option	30.00	50.00
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Dealer Installed FleetSync Enhanced Options

Note: Instead of L-928, options L-925/926/927; SRB08698 Hardware Key and KPG-65ED can be purchased for dealer field installation of the FleetSync™ Enhanced option			
L-925	FleetSync™ Enhanced Option (field retrofit) for 40-series; Price each for qty. 1-24	30.00	50.00
Note: Must order SRB08698 Hardware Key also; requires KPG-65ED			
L-926	FleetSync™ Enhanced Option (field retrofit) for 40-series; Price each for qty. 25-99	25.00	50.00
Note: Must order SRB08698 Hardware Key also; requires KPG-65ED			
L-927	FleetSync™ Enhanced Option (field retrofit) for 40-series; Price each for qty. 100+	20.00	50.00
Note: Must order SRB08698 hardware key which holds also 100 ESN's maximum; multiple keys must be purchased for orders over 100. Also requires KPG-65ED.			
SRB08698 ¹	Hardware Key (Sentinel Super Pro)	50.00	83.33
Note: SRB08698 hardware key holds also 100 ESN's maximum; multiple keys must be purchased for orders over 100.			
KPG-65ED ²	FleetSync™ Enhanced Option Installation Software	6.00	10.00
Note: Required for L-925/926/927 & SRB08698 use. This software is re-usable on future orders of L-925/926/927			

Option Notes:

1. The SRB08698 hardware key requires L-925, 926, or 927 options to be loaded into it. The hardware key requires the KPG-65ED to activate FleetSync® Enhanced Options in a 40-Series radio. The SRB08698 hardware key can be returned when empty for 50% credit. Call the LMR order desk for an RMA#. Credit will NOT be issued for the L-925/926/927 options.

2. The KPG-65ED is a one-time order and may be re-used on future orders of L-925, 926, or 927. The SRB08698 hardware key must be installed on the PC parallel port for the KPG-65ED to operate.

PassPort Options (Kenwood-installed)

FOR NEW RADIO ORDERS ONLY

Ordering Instructions

For TK-2410/3140 new radio orders, the Kenwood-installed PassPort ESN / firmware option is no charge: Order the PassPort ESN/Firmware option L-971 for each PassPort radio.

Other required items:

a. KPG-98D Radio Programming Software: The KPG-98D programs PassPort®, LTR and Conventional modes. The KPG-98D is ONLY for programming a 140-Series portable with the PassPort® option installed and should NOT be used to program a standard LTR/Conventional 140-Series portable (use the KPG-74D).

Model	Description	Dealer	List
L-971	Install PassPort® ESN option and firmware; NO CHARGE for new TK-2140/3140 orders	0.00	0.00
PassPort™ Radio Programming Software (for TK-2140/3140 only)			
KPG-98D	PassPort® Programming software for TK-2140/3140 portables only. Windows® 98/ME/2000 & XP compatible	39.00	65.00

PassPort® Options (Field-installation kits)

FOR DEALER / OPERATOR FIELD CONVERSIONS

Ordering Instructions

1. Order the ESN key/firmware Labor Code options: L-892, L-893 or L-894; specify model radio(s).

Pre-loaded ESN hardware key(s) with the ordered quantities of ESN's and a PassPort™ radio firmware diskette will be shipped (100 ESN's maximum per hardware key). **Important: Any depleted key previously registered to a technicians computer must be retained to register any new purchased key to the computer; please retain the old key until the new one is received.**

2. Other required items:

a. KPG-64D PassPort® ESN Installation Software: This software is re-usable on subsequent orders of ESN hardware key options purchases.

Note: The TK-2140/3140

b. KPG-98D Radio Programming Software: The KPG-98D programs PassPort®, LTR and Conventional modes. The KPG-98D is ONLY for programming a 140-Series portable with the PassPort® option installed and should NOT be used to program a standard LTR/Conventional

Model	Description	Dealer	List
L-892	PassPort® ESN Options & PassPort® firmware disk (SPECIFY RADIO MODEL) · 1-24 qty. lot price; Price is per ESN	\$40.80	\$68.00
L-893	PassPort® ESN Options & PassPort® firmware disk (SPECIFY RADIO MODEL) · 25-99 qty. lot price; Price is per ESN	35.00	68.00
L-894	PassPort® ESN Options & PassPort® firmware disk (SPECIFY RADIO MODEL) · 100 qty lot price; Price is per ESN · Maximum 100 ESN options per hardware key	30.00	68.00

Note: Sales of L-892, 893, 894 are NOT refundable. Purchaser has a 72 hour limit after receipt to report suspected hardware key defects or ESN shortages to Kenwood engineering, Suwannee office 678-474-4700

SRB08698	Hardware Key (Sentinel Super Pro)	50.00	83.33
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NOTES:

- Requires purchase of L-892, 893 or 894
- Sales of L-892, 893, 894 are NOT refundable
- Maximum 100 ESNs per hardware key
- Requires KPG-64D to download PassPort® ESN options into an 80-Series radio.
- Important: The hardware key is registered to the computer that it is first used on; it cannot be used on other computers.
- Empty hardware keys can be returned for 50% credit; call the LMR order desk for RMA #.
- Important: Retain depleted keys until a new one is received. It will be required to register the new key to the same computer.

KPG-64D	PassPort® ESN Field Installation Software	6.00	10.00
KPG-98D	PassPort® Programming software for TK-2140/3140 portables ONLY. Windows® 98/ME/2000 & XP compatible	39.00	65.00

Land-Mobile Price List

TK-2160/3160 VHF / UHF Ultra Compact Portable Radios

Model	Description	Dealer	List
Radio Packages			
<i>Each Package includes: RADIO, BATTERY, CHARGER, ANTENNA, & BELT CLIP</i>			
VHF			
<i>Standard Package</i>			
TK-2160SK-P	TK-2160 + KNB-25A + KSC-30 + KRA-26M + Belt Clip <small>Ni-Cd (1200mAh) Standard Chg Helical Antenna</small>	\$210.00	\$352.00
<i>Premium Package</i>			
TK-2160RK-P	TK-2160 + KNB-24L + KSC-25 + KRA-26M + Belt Clip <small>Li-Ion (1400mAh) Rapid Rate Chrg Helical Antenna</small>	254.40	426.00
UHF			
<i>Standard Package</i>			
TK-3160SK-P	TK-3160K + KNB-25A + KSC-30 + KRA-27M + Belt Clip <small>Ni-Cd (1200mAh) Standard Chrg Helical Antenna</small>	220.00	367.00
<i>Premium Package</i>			
TK-3160RK-P	TK-3160K + KNB-24L + KSC-25 + KRA-27M + Belt Clip <small>Li-Ion (1400mAh) Rapid Rate Chrg Helical Antenna</small>	264.40	440.70

Radio Only

Choose Acc. from Next Page to Customize a Radio Package

VHF			
<i>Spring Action Belt Clip included; PURCHASE ANTENNA, BATTERY & CHARGER SEPARATELY</i>			
TK-2160	136-174 MHz 5W, Conventional 16 Channels	\$155.00	\$259.00
UHF			
<i>Spring Action Belt Clip included; PURCHASE ANTENNA, BATTERY & CHARGER SEPARATELY</i>			
TK-3160K	450-490 MHz 4W, Conventional 16 Channels	165.00	275.00
TK-3160K2	470-512 MHz 4W, Conventional 16 Channels (Introduced Feb. 2004)	165.00	275.00
TK-3160K3	400-430 MHz 4W, Conventional 16 Channels (Introduced Feb. 2004)	165.00	275.00

TK-2160/3160 FEATURES:

GENERAL FEATURES

- 16 Channels (max.)
- 5W VHF / 4W UHF Transmit Power
- Wide Band Frequency Ranges
- 12.5 / 25 kHz Channel Spacing
- Programmable Power Per Channel
- Companded Audio Per Channel (wide & narrow*)
- 500 mW Audio Power
- Two Color Tri-State LED
- Mechanical Channel Selector with stops
- Weather-Sealed Accessory Connector
- Single Priority or Normal Scan
- Scan Revert Channel
- Scan Delete/Add (fpu fixed)
- Scan Temporary Delete (nuisance delete)
- VOX Circuit (programmable sensitivity, delays)
- 3 Programmable Function Keys (includes orange key)
- Recessed Orange Emergency/AUX Key
- PTT ID Side-Tone (FleetSync & DTMF ANI)
- Emergency Type (FleetSync Status & DTMF Emergency ANI)
- Emergency Calling Feature
- Voice Inversion Scrambler built-in
- QT/DQT Encode & Decode
- 2-Tone Decode (3 decode pairs assignable per channel)
A-B/ A-C/ A-D/ B-A/ B-C/ B-D/ C-A/ C-B/ C-D/ D-A/ D-B/
D-C/ Long A/ Long B/ Long C; 288.5 to 3000.0 Hz (0.1 Hz steps)
- 2-Tone Encode (1 tone pair)
- DTMF Decode Selective Call
- DTMF Stun (deadbeat disable)
- DTMF PTT ID & DTMF Emergency ID
- Alert with Transpond (2-Tone, DTMF)
- Call Alert Tone: Normal, Continuous or Special (2-Tone or DTMF)
- Special Alert Tone Freq. & 16 tone Pattern
- Low Battery Alert (TX or Always)

- BCL per ch (QT/DQT, carrier or Opt. Signaling)
- BCL tone (clear to PTT tone)
- Time Out Timer & Talk Around
- Power/Control/Warn Tones On/Off
- Tone Volume Level
- Mic Sense (high/low fpu setting)
- Embedded Message (64 Char.)
- Data Password
- PC Programming (Windows)
- English/Spanish Language Programming Screen Setup
- MIL810 C, D, E & F(11 categories)- includes "blowing rain"
- IP54/55 dust, waterspray & water jet protected
- NiCad (8hr.), Lithium Ion (9Hr.) & NiMH (12 Hr.) Batteries
(1200 / 1400 / 2000 mAh)
- Intrinsically Safe Option

FLEETSYNC FEATURES*

- PTT ID (Digital ANI)
- Emergency Status (ST# 99)
- Selective Call
- * Note: not FleetSync II compatible

INCLUDED ITEMS

- Spring Belt Clip
- Instruction Manual

Accessories for the TK-2160/3160 Series Radios

Model	Description	Dealer	List
ANTENNAS			
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	7.80	13.00
KRA-22M2	VHF Low-profile helical antenna 162-174 MHz	7.80	13.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	7.80	13.00
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	7.80	13.00
KRA-23M2	UHF Low-profile helical antenna 470-512 MHz	7.80	13.00
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	7.80	13.00
KRA-26M	VHF helical antenna 146-162 MHz	8.00	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	8.00	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	8.00	14.00
KRA-27M	UHF whip antenna 440-490 MHz	8.00	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	8.00	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	8.00	14.00
BATTERIES AND CHARGERS			
KBP-5 ¹	AA Alkaline Refillable Battery Pack for TK-2140/3140/2160/3160 (6 AA Alkaline 9V) Battery cells not incl.	28.00	47.00
	1400 mAh, 7.2 VDC Lithium Ion battery		
	[Intrinsically Safe Approved Accessory. Also order labor code to configure radio for intrinsically safe]		
KNB-24L ³		56.00	94.00
KNB-24L	1400 mAh, 7.2 VDC Lithium Ion battery (Intrinsically Safe options are NOT available for this radio)	56.00	94.00
KNB-25A	1200 mAh, 7.2 VDC Ni-Cd battery (Intrinsically Safe options are NOT available for this radio)	29.00	49.00
KNB-26N ²	2000 mAh, 7.2 VDC Ni-MH battery (Intrinsically Safe options are NOT available for this radio)	40.00	67.00
KMB-16	Six Unit Charger Adapter for the KSC-20/24/25 rapid rate (chargers not included)	99.00	165.00
	Six Unit Charger Adapter for the KSC-25 rapid rate chargers (chargers not included)		
KMB-23	Small footprint (13"Wx7.8"Hx11.7"D); 2 tiered rows hold 3 KSC-units each	109.00	182.00
KSC-25	110 volt Rapid rate single unit tri-chemistry charger for KNB-24L/25A/26N	35.40	59.00
KSC-25E	220 volt Rapid rate single unit tri-chemistry charger for KNB-24L/25A/26N	46.20	77.00
KSC-30	110 volt Regular rate single unit charger for KNB-25A/26N	18.00	30.00
KSC-30E	220 volt Regular rate single unit charger for KNB-25A/26N	18.00	30.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16,18,20, 24, 25 (chargers not included)	48.00	80.00
CARRYING ACCESSORIES			
KLH-117	Heavy-Duty Leather Case w/Swivel Belt Loop for TK-2160/3160 (all batteries; black)	28.00	47.00
KWR-1	Water resistant bag	17.00	29.00
MICROPHONES AND SPEAKERS			
	2.5mm earphone kit for KMC-17 Speaker Mics (Black).		
	[Intrinsically Safe Approved Accessory]		
KEP-2 ³	Note: For use only on speaker mic; plugging directly into radio voids I.S. and MIL-STD/IP integrity.	30.00	50.00
KHS-1 ³	Headset with VOX/PTT (light-duty use) [Intrinsically Safe Approved Accessory]	37.20	62.00
KHS-10-BH ³	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db [Intrinsically Safe Approved Accessory]	210.00	350.00
KHS-10-OH ³	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db [Intrinsically Safe Approved Accessory]	192.00	320.00
KHS-7 ³	Single muff headset w/boom mic (black) [Intrinsically Safe Approved Accessory]	40.00	67.00
KHS-7A ³	Lt. Wt Single muff headset w/boom mic & in-line PTT (black) [Intrinsically Safe Approved Accessory]	60.00	100.00
KHS-8BE	Two-Wire palm mic w/earphone (beige)	59.00	99.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	59.00	99.00
KHS-9BE	Three-Wire lapel mic w/earphone (beige)	95.00	159.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	95.00	159.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver; low profile wire head band; VOX-ready (radio must have VOX feature)	23.40	39.00
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	31.75	53.00
KMC-17 ³	Speaker microphone (Built-in 2.5mm miniature earphone jack) [Intrinsically Safe Approved Accessory]	49.20	82.00
KMC-21 ³	Compact speaker microphone [Intrinsically Safe Approved Accessory]	29.40	49.00
Intrinsically Safe options are not available for the TK-2160/3160 radio/batteries & audio acc. combinations.			
SERVICE RELATED ACCESSORIES			
KPG-22	Programming interface Cable	109.00	N/A
KPG-82D	P.C. Programming Software for TK-2160/3160 (Windows 98SE, 2000, XP, Me compatible)	59.00	N/A

Installation/Tuning Charges for the TK-2160/3160 Series Radios

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
L-836	Assemble KMB-16 with six KSC-25	9.00	15.00
L-961	Assemble KMB-23 with six KSC-24/25/32 (Rapid Rate, 120 Volt versions only)	10.00	17.00
L-953	Tune TK-2160/3160	15.00	25.00
L-976	Configure TK-2160/3160 for Intrinsically Safe (MUST ORDER KNB-24L)	42.00	70.00

1. AA refillable packs DO NOT meet any of the MIL-STD environmental standards, nor are they water-resistant or Intrinsically Safe approved. Actual battery life is dependent on battery condition, type, quality, temperature, and use habits. Alkalines exhibit non-linear voltage vs. current drain characteristic, therefore radio transmit power will lower and decrease during transmit and as the battery is drained.

2. Important Note regarding KNB-26N NiMH battery:

- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
- NiMH batteries capacity life is slightly lower than NiCd: NiCd : 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles

3. For intrinsically safe models: Meets Intrinsically Safe Classes I, II & III, Div. 1, Groups A, B, C, D, E, F, G hazardous locations and Non-Incendive Class I, Div. 2, Groups A, B, C & D hazardous locations.

Important Note Regarding Intrinsically Safe Certification: Using an Intrinsically Safe battery on a radio does not constitute an Intrinsically Safe (I.S.) radio. All Kenwood I.S. radios must be certified at Kenwood by inspection, logging & proper labeling. The appropriate I.S. labor code must be specified on all I.S. radio orders and the proper model I.S. battery must be used with the radio. Kenwood I.S. batteries can be purchased separately for existing Kenwood certified I.S. radios. Intentionally or inadvertently representing a Kenwood radio as I.S. without proper Kenwood certification can result in serious safety and/or legal liability issues for your company.

Land-Mobile Price List

TK-2180/3180

VHF / UHF Trunking & Conventional Portable Radios

Model	Description	Dealer	List
Radio Packages			
<i>Each Package includes; RADIO, BATTERY, CHARGER, & BELT CLIP (Antenna sold separately)</i>			
VHF			
NiMH Battery Package			
TK-2180K-NKP	TK-2180K + KNB-32N + KSC-32 + Belt Clip 136-174 MHz Ni-MH (2500mAh) Rapid Chg 2.5" Spring action belt-clip	\$400.00	\$667.00
Li-Ion Battery Package			
TK-2180K-LKP	TK-2180K + KNB-33L + KSC-32 + Belt Clip 136-174 MHz Li-Ion (1700mAh) Rapid Chrg 2.5" Spring action belt-clip	\$410.00	\$683.00
NiCd Battery Package*			
TK-2180K-AKP	TK-2180K + KNB-31A** + KSC-32 + Belt Clip 136-174 MHz Ni-Cd (1700mAh) Rapid Chg 2.5" Spring action belt-clip	\$390.00	\$650.00
UHF			
NiMH Battery Package			
TK-3180K-NKP	TK-3180K + KNB-32N + KSC-32 + Belt Clip 450-520 MHz Ni-MH (2500mAh) Rapid Chg 2.5" Spring action belt-clip	\$410.00	\$683.00
TK-3180K2-NKP*	TK-3180K2 + KNB-32N + KSC-32 + Belt Clip 400-470 MHz Ni-MH (2500mAh) Rapid Chg 2.5" Spring action belt-clip	\$410.00	\$683.00
Li-Ion Battery Package			
TK-3180K-LKP	TK-3180K + KNB-33L + KSC-32 + Belt Clip 450-520 MHz Li-Ion (1700mAh) Rapid Chg 2.5" Spring action belt-clip	\$420.00	\$700.00
TK-3180K2-LKP*	TK-3180K2 + KNB-33L + KSC-32 + Belt Clip 400-470 MHz Li-Ion (1700mAh) Rapid Chrg 2.5" Spring action belt-clip	\$420.00	\$700.00
NiCd Battery Package*			
TK-3180K-AKP	TK-3180K + KNB-31A** + KSC-32 + Belt Clip 450-520 MHz Ni-Cd (1700mAh) Rapid Chg 2.5" Spring action belt-clip	\$400.00	\$667.00
TK-3180K2-AKP*	TK-3180K2 + KNB-31A** + KSC-32 + Belt Clip 400-470 MHz Ni-Cd (1700mAh) Rapid Chg 2.5" Spring action belt-clip	\$400.00	\$667.00

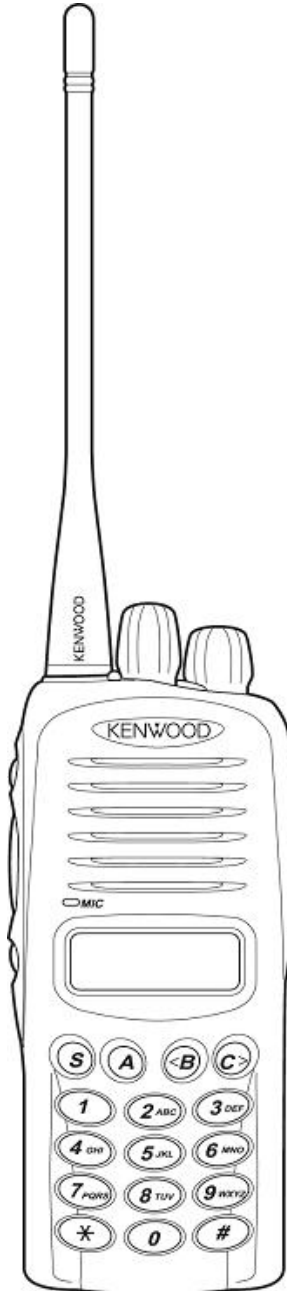
* K2 type packages will be available 09/04

** NiCd battery (KNB-31A) will be available 12/04

Radio Only

Choose Acc. from Next Page to Customize a Radio Package

VHF			
<i>Spring Action Belt Clip included; Antenna, Battery & Charger not included</i>			
TK-2180K	136-174 MHz 5W, 512 CH / 128 Zone CONV-& LTR	\$310.00	\$517.00
TK-2180K2	136-174 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF keypad	340.00	567.00
UHF			
<i>Spring Action Belt Clip included; Antenna, Battery & Charger not included</i>			
TK-3180K	450-520 MHz 5W, 512 CH / 128 Zone CONV-& LTR	320.00	533.00
TK-3180K3	450-520 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF Keypad	350.00	583.00
TK-3180K2	400-470 MHz 5W, 512 CH / 128 Zone CONV-& LTR [Available 09/04]	320.00	533.00
TK-3180K4	400-470 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF Keypad [Available 09/04]	350.00	583.00



GENERAL

5 Watt UHF & VHF Models
Wide Band: UHF 70 MHz / VHF 38 MHz
Conventional & LTR Zones
512 Channels / 128 Zones
DTMF Keypad Models
Home CH/GID
Direct Channel/GID Access (5)
Backlit Dot Matrix LCD
12 Character Alphanumeric Aliases
3-Digit Sub-Display
RSSI Indicator
Battery Level Indicator
Low Battery Warning
Date & Time Clock
Power On Text Message
Emergency/AUX Key (orange)
2 Side PF Keys
4 Front Panel PF keys
12-Key DTMF/PF Keypad (keypad models)
KMC-25 Speaker Mic with 2 PF Keys
Key Lock Feature
Kenwood Enhanced Audio
VOX Ready
Companded Audio Per Channel
500 mW Audio Power
Weather-Sealed Accessory Connector
Easy Option Port
Weather Sealed Accessory Connector
VGS-1 Voice Guide & Storage Unit
Voice Inversion Scrambler Built-in
Encryption/ANI Board Control
Man-Down
Emergency Calling Features
Signaling AND/OR (per Zone)
DTMF Decode
DTMF Stun
DTMF PTT ID
DTMF Emergency ANI
DTMF Manual Encode (keypad models)
DTMF Auto-Dial (32 numbers)
Special Alert Tone Patterns (8)
Call Key (FleetSync®, 2-Tone or DTMF encode)
Embedded Message (64 Character)
Embedded Message with Password
Microphone Sensitivity Adjust
Tone Volume
Speaker Attenuation (KMC-25 High/Low Vol.)
Min / Max. Speaker Volume

Time Out Timer (per Zone)
Battery Saver
Transceiver Password
Data Password (Read/Write)
Windows Programming & Tuning
English /Spanish Program Screen Language
Panel Test/Tune
Cloning
Firmware Version Programming & Display
MIL-STD-810 C/D/E/F (11 cat.)
MIL-STD "Driven-Rain"
IP-54/55 Water & Dust Intrusion
Intrinsically Safe Option (Pending)
MIL-Spec Noise-Canceling Speaker Mic
2 Year Warranty

CONVENTIONAL ZONES

512 Channels (CH & GID max. capacity per radio)
128 Zones max. per radio
250 CH max. per CONV. Zone
QT / DQT
Two-Tone Decode (4 pairs)
Single / Two-Tone Encode (32)
Operator Selectable Tone (40 code pairs; keypad models)
Dual Priority Scan
Single/Multi-Group/List Scan
Scan Revert Channel Display
Priority Channel Stop Tonet
CH Delete/Add
Nuisance Delete
Priority Temporary Delete
Power on Scan
Talk Around
Busy Channel Lockout

TRUNKED ZONES

512 GID (CH & GID max. capacity per radio)
128 Zones max. per radio
250 GID max. per Trunked Zone
GID Delete/Add
Full LTR Trunking Features
LTR Talk Around /Scan Revert Group Display
System Scan, Group Scan, Auto Search

FLEETSYNC® (Conv. & Trunked Zones)

FLEETSYNC® or FLEETSYNC® II Compatibility
PTT ID Digital ANI
100 ID List Capacity
Caller ID Display
Caller ID Stack (last 3 calls)
Status Messaging
90 Message List Capacity
10-79 Custom Dispatch Messages
ST 98: Man-Down Emergency (portables)
ST 99: Emergency Status
ST 88: Emergency Mode Off
ST 89: Horn Alert Request (mobiles)
ST 90: Stun radio (No TX)
ST 91: Stun radio (No TX / No RX audio)
ST 92: Turn off Stun
ST 93- ACK stun is ON
ST 94- ACK stun is OFF
ST 80- No Such Status Programmed Response
ST 81-87, 95-97 (Reserved for future use)
Selective Call
Short Text Messages (stored/display)
Power On/Off Status Messages

INCLUDED ITEMS

Spring Action Belt Clip
English/Spanish Instruction Manual

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
%start accessories			
<u>ANTENNAS</u>			
KRA-26M	VHF helical antenna 146-162 MHz	8.00	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	8.00	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	8.00	14.00
KRA-27M	UHF whip antenna 440-490 MHz	8.00	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	8.00	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	8.00	14.00
KRA-22M	VHF Low-profile helical antenna 148-162 MHz	7.80	13.00
KRA-22M2	VHF Low-profile helical antenna 162-174 MHz	7.80	13.00
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	7.80	13.00
KRA-23M	UHF Low-profile helical antenna 450-490 MHz	7.80	13.00
KRA-23M2	UHF Low-profile helical antenna 470-512 MHz	7.80	13.00
KRA-23M3	UHF Low-profile helical antenna 403-430 MHz	7.80	13.00
KRA-25	High Gain VHF Helically Loaded ¼ Wave Whip Antenna 148-162 MHz (9.75 inches; for TK-2160/280/290/2180 portables only; SMA-F connector) Note: The KRA-25 is 9.75 inches long. This is 3.75 inches longer than a normal VHF helical antenna! Stocked in limited quantities. Allow up to 8 weeks for delivery.	19.50	32.50

BATTERIES AND CHARGERS

Estimated Availability of Intrinsically Safe Option and Batteries: 1Q 2004

KNB-32N	2500 mAh NiMH, 14 Hour; 7.2 VDC battery; Requires KSC-32 charger (170 min. charge time)	50.00	84.00
KNB-33L	1700 mAh Lithium Ion, 9 Hour; 7.2VDC battery; Requires KSC-32 charger (130 min. charge time)	60.00	100.00
KNB-31A	1700 mAh, Ni-Cd, 9 Hour, 7.2 VDC battery; Requires KSC-32 charger (80 min. charge time) [Est. Availability: Dec. 2004]	40.00	67.00
KSC-32	110/220* Volt Rapid rate single unit tri-chemistry charger for KNB-31A/32N/33L *Note: Includes 110/220V auto-switching AC adapter with U.S.-style line cord plug; requires plug adapter for 220V Euro-style outlets (not supplied).	40.00	67.00
KMB-23	Six Unit Charger Adapter for the KSC-32 rapid rate chargers (chargers not included) Small footprint (13"Wx7.8"Hx11.7"D); 2 tiered rows hold 3 KSC-units each.	109.00	182.00
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-16,18,20,24,25 & 32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter) [Est. Availability: Jan 2005]	68.00	113.00

CARRYING ACCESSORIES

KBH-11	Spring action belt clip (2.5") - Same as Supplied	8.40	14.00
KBH-10	Low profile spring action belt clip (for use with KNB-33L Only)	4.80	8.00
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	15.00	25.00
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back for KLH-122/123	12.60	21.00
KLH-122	Heavy duty leather carrying case for TK-2180/3180 (Non DTMF keypad models)	25.20	42.00
KLH-123	Heavy duty leather carrying case for TK-2180/3180 (DTMF keypad models)	25.20	42.00
KLH-124	Cordura Nylon carrying case for TK-2180/3180 (Non DTMF keypad models)	15.00	25.00
KLH-125	Cordura Nylon carrying case for TK-2180/3180 (DTMF keypad models)	15.00	25.00
KWR-1	Water resistant bag	17.00	29.00

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
Estimated Availability of Intrinsically Safe Option and Audio Accessories: 1Q 200			
MICROPHONES AND SPEAKERS			
KEP-1 ¹	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker mics (black only)	30.00	50.00
KCT-30 ¹	2.5mm Audio Accessory Adapter for KEP-3/4	36.60	61.00
KEP-3 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 30" Cable (black)	29.40	49.00
KEP-4 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 48" Cable (black)	31.20	52.00
KMC-25 ¹	MIL-SPEC, Noise canceling Speaker mic	55.20	92.00
KHS-11BE ¹	2-wire palm mic w/earphone, universal connector. ("Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time).	89.40	149.00
KHS-11BL ¹	2-wire palm mic w/earphone, universal connector (Black)	89.40	149.00
KHS-12BE ¹	3-wire mini lapel mic w/earphone, universal connector. ("Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time).	105.00	175.00
KHS-12BL ¹	3-wire mini lapel mic w/earphone, universal connector (Black)	105.00	175.00
KHS-14 ¹	Lt. Wt. Single muff headset w/boom mic & In-line PTT, universal connector (Blk)	72.00	120.00
KHS-15-BH ¹	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db; (Heavy-duty headsets; Allow min. 4 weeks delivery time).	240.00	400.00
KHS-15-OH ¹	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT (black); NRR24 db. (Heavy-duty headsets; Allow min. 4 weeks delivery time).	210.00	350.00
OPTION MODULES			
VGS-1	Voice Guide and Storage Unit For VGS-1 install- order L-962 Easy Option Port compatible (180-Series 26-pin type)	50.00	72.00
QE-2	G-Star® or MDC1200 ANI Board : PTT ANI, emergency & man-down For G-Star install-order L-901. For MDC-1200 install order L-902. Encryption/ANI Port compatible (hardwire PCB solder land interface; NOT Easy Option Port compatible)	76.80	128.00
CAE-3 2)	(for QE-2) QE-2 Emergency Man-Down Internal Tilt Switch For CAE-3 install for QE-2 Man-down, order L-845.	12.60	21.00
CAE-3 FleetSync)	(for FleetSync) FleetSync Emergency Man-Down Internal Tilt Switch For CAE-3 install for FleetSync Man-down, order L-964 (QE-2 board is not required)	12.60	21.00

QE-2 G-Star®/ MDC1200 Digital ANI Boardsby Cimarron Technologies

Pre-programmed & installed boards require a completed "QE-2 Information and Order Sheet" (available from Kenwood LMR Order Desk) submitted with order.

Notes:

- Orders are only accepted on new radio purchases.
 - Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).
 - Emergency "Man-down"feature requires an installed CAE-3 internal man-down tilt switch option (portables only).
 - QE-2 Programmers are NOT available from Kenwood. Purchase model QPF-2, direct from Cimarron Technologies Call 800-487-7184
- www.cimtechcorp.com

Encryption Boards

The radios Encryption/ANI Port (PCB hardwire solder lands) is designed to interface with the typical aftermarket encryption and ANI boards. This radio supports the interface required for boards from the following manufacturer(s); contact the manufacturer for product information and Kenwood radio model application notes:

Transcrypt Secure Technologies

3900 NW 12th Street, Suite 200
Lincoln, NE 68521
Phone: 800-228-0226

website: www.transcryptsecure.com

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
SERVICE RELATED ACCESSORIES			
KPG-36	Programming interface Cable	53.00	N/A
KPG-89DK	Windows® Programming Software for TK-2180/3180/7180/8180 (98, ME, 2000 & XP compatible)	59.00	N/A

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
%start labor codes			
L-963	Tune TK-2180/3180	22.50	37.50
L-962	Install VGS-1 Voice Guide & Storage Unit Note: VGS-1 installation precludes any ANI or encryption board installation in the Easy Option Port.	15.00	25.00
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	10.00	17.00
L-901	Program and install QE-2 MDC1200 Encoder	45.00	75.00
L-902	Program and install QE-2 G-Star® Encoder	45.00	75.00
L-845	Install CAE-3 (w/ QE-2)	5.00	9.00
L-964	Install CAE-3 (for FleetSync)	5.00	9.00
L-xxx	Configure TK-2180/3180 for Intrinsically Safe (Must Order an I.S. Battery) NOT AVAILABLE I.S. Estimated Availability- 1Q 2005	42.00	70.00

IMPORTANT NOTES:

¹ **Intrinsically Safe (Pending battery and Factory Mutual certification)**Classes I, II & III, Div. 1, Groups C, D, E, F, G hazardous locations and Non-Incendive Class I, Div. 2, Groups C, D hazardous locations.

Using an Intrinsically Safe battery on a radio does not constitute an Intrinsically Safe (I.S.) radio. All Kenwood I.S. radios must be certified at Kenwood by inspection, logging & proper labeling. The appropriate I.S. labor code must be specified on all I.S. radio orders and the proper model I.S. battery must be used with the radio. Kenwood I.S. batteries can be purchased separately for existing Kenwood certified I.S. radios. Intentionally or inadvertently representing a Kenwood radio as I.S. without proper Kenwood certification can result in serious safety and/or legal liability issues for your company.

Land-Mobile Price List

TK-2200/3200
VHF/UHF Conventional Portable Radio

<i>Model</i>	<i>Description</i>	<i>Dealer</i>	<i>List</i>
VHF	KNB-29N (1500 mAh) battery, KSC-31 (3 hr.) charger, and KRA-26M (VHF) or KRA-27M (UHF) antenna included		
TK-2200V2	150-174 MHz VHF 2W, 2 Ch.	\$162.60	\$271.00
TK-2200V8	150-174 MHz VHF 2W, 8 Ch.	\$171.60	\$286.00
UHF			
TK-3200U2	450-470 MHz UHF 2W, 2 Ch.	\$172.20	\$287.00
TK-3200U8	450-470 MHz UHF 2W, 8 Ch.	\$185.40	\$309.00

TK-2200/3200 FEATURES:



Available in 2 Channel
& 8 Channel models

FEATURES:

- 2 Watts
- 2 & 8 Channel Models
- Channel Number Voice Announcement
- Wireless Cloning Mode
- Loud 500 mW Audio
- FPU Programmable
- Wide Operating Bandwidth
- Internal VOX (Voice-activated transmit) with Audio Accessory
- Channel Scan
- Super Lock
- Small & Lightweight
- Rugged MIL-STD 810 C, D, E & F, IP54, IP55
- Die-Cast Chassis
- Polycarbonate Case
- Weather-Sealed Construction
- FleetSync PTT ID
- Two Color LED
- Time Out Timer
- Up to 18 Hours (Battery Save on) Talk Time (5/5/90 Duty Cycle)
- Low Battery Alert
- 2 Year Limited Warranty

Included Accessories:

Battery, Charger, Antenna, & Belt Clip

Accessories for TK-2200/3200

Model	Description	Dealer	List
ANTENNAS			
KRA-14M	VHF helical antenna 148-162 MHz (TK-2100/2200)	\$10.20	\$17.00
KRA-15AM	UHF whip antenna 450-490 MHz (TK-3100/3101/3200)	\$10.20	\$17.00
KRA-16M	VHF stubby antenna 148-162 MHz (TK-2100/2200)	\$7.80	\$13.00
KRA-17M	UHF stubby antenna 450-490 MHz (TK-3100/3200/3101)	\$7.80	\$13.00
KRA-22M	VHF low profile antenna 148-162 MHz (TK-2100/2200)	\$7.80	\$13.00
KRA-23M	UHF low profile antenna 450-490 MHz (TK-3100/3200)	\$7.80	\$13.00
KRA-26M	VHF helical antenna 146-162 MHz (TK-2100/2200) --- same as supplied w/TK-2200V's	\$8.00	\$14.00
KRA-27M	UHF whip antenna 440-490 MHz (TK-3100/3200/3101) --- same as supplied w/TK-3200U's	\$8.00	\$14.00
BATTERIES AND CHARGERS			
KNB-29N	1500 mAh NiMH 14 hours life @ 5-5-90 duty (TK-2200/3200) Note: KSC-31 charger required - not compatible with other chargers or leather cases	\$21.00	\$35.00
KMB-14	Six Unit Charger Adapter for the KSC-31K, internal 110V Power Supply, 1x6 charger configuration (chargers not included)	\$99.00	\$165.00
KMB-21	Six Unit Charger Adapter for the KSC-31K, low profile, external power strip, 2x3 charger configuration (chargers not included)	\$99.00	\$165.00
KSC-31K	Fast rate single unit charger for KNB-29N NiMH battery (TK-2200/3200)	\$18.00	\$30.00
CARRYING ACCESSORIES			
KBH-10	Spring action belt clip (TK-2200/3200) --- same as supplied	\$4.80	\$8.00
KLH-126	Nylon case for TK-2200/3200 (Black)	\$8.40	\$14.00
KWR-1	Water resistant bag (TK-2100/2200/3100/3200/3101)	\$17.00	\$29.00
MICROPHONE AND SPEAKERS			
EMC-3	Clip Mic w/earphone	\$17.97	\$29.95
KHS-23	2-Wire Cell-style Earbud Clip/PTT Palm Mic (medium duty)	\$31.75	\$53.00
HMC-3	Headset w/PTT & VOX	\$35.97	\$59.95
KEP-2	2.5mm earphone kit for KMC-17 Speaker Mics (Black only). [KEP-2 & KMC-21 are not plug-compatible].	\$30.00	\$50.00
KHS-10-BH	Hvy-duty noise reduction behind-the-headset w/noise canceling boom mic & in-line PTT (black); NRR24 db	\$210.00	\$350.00
KHS-10-OH	Hvy-duty noise reduction over-the-headset w/noise canceling boom mic & in-line PTT (black); NRR24 db	\$192.00	\$320.00
KHS-7	Single muff headset w/boom mic (black)	\$40.00	\$67.00
KHS-7A	Lt. Wt Single muff headset w/boom mic & in-line PTT (black)	\$60.00	\$100.00
KHS-8BE	Two-Wire palm mic w/earphone (beige)	\$59.00	\$99.00
KHS-8BL	Two-Wire palm mic w/earphone (black)	\$59.00	\$99.00
KHS-9BE	Three-Wire lapel mic w/earphone (beige)	\$95.00	\$159.00
KHS-9BL	Three-Wire lapel mic w/earphone (black)	\$95.00	\$159.00
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver; low profile wire head band; VOX-ready (radio must have VOX feature)	\$23.40	\$39.00
KMC-17	Speaker microphone (Built-in 2.5mm miniature earphone jack)	\$49.20	\$82.00
KMC-21	Compact speaker microphone	\$29.40	\$49.00
SERVICE RELATED ACCESSORIES			
KPG-22	Programming interface cable (powered by P.C.s serial port)	\$109.00	N/A
KPG-88DK	Windows® Programming Software for TK-2200/3200 (98, ME, 2000 & XP compatible)	\$59.00	N/A

Installation / Tuning Charges for TK-2200/3200

Model	Description	Dealer	List
L-967	Change channel to other frequencies* or program TK-2200/3200 Series	\$22.50	\$37.50

***Note:** Preprogrammed channels can be changed by the Dealer by following the Instructions Manual.

³ **Important Note regarding KNB-20N:**
- NiMH batteries will exhibit reduced capacity while exposed to temperatures below 14°F (-10°C) and become virtually unusable below -4°F or (-20°C). NiMH batteries are commonly used in extreme low temperature environments (ex: northern latitudes, refrigerated warehousing, etc.) by keeping the portable next to the body under the users coats. Prolonged exposure to extreme cold should be avoided for proper radio operation.
- NiMH batteries capacity life is slightly lower than NiCd: **NiCd: 70% at 500 cycles vs. NiMH (1600 mAh): 60% at 500 cycles**

Land-Mobile Price List

TK-3130

ProTalk XLS™ Ultra Compact Portable Transceiver

Model	Description	Dealer	List
UHF TK-3130	Fixed Antenna, NiMH Battery, Spring action belt clip and Drop-in Rapid Rate Charger included 464-467 MHz UHF 1W or 500 mW, 2 Ch. Ultra Compact Portable Transceiver	\$123.50	\$190.00

- Durable Polycarbonate Housing
- Small (1.97" W x 1.13" D x 4.63" H) & Lightweight (7 oz)
- Over 10 Hours Talk Time (90/5/5 duty cycle)
- User-selectable 1W or 500 mW Transmit Power
- 2 Channel Operation (factory pre-set)
- 8 User-Programmable Memory Bank Frequencies
- Channel Scan
- User Programmable QT (38) and DQT (83) Signaling
- Tone and Vibration Alert
- Six Call Tones
- Voice Scrambler (not UBZ-LF14/LH14 compatible)
- Key Lock / Backlit LCD Display
- LCD Battery Meter & Low Battery Alert
- VOX (Voice-activated transmit) w/3 Sensitivity Levels
- VOX TX Delay and Busy Detect
- Time Out Timer
- 2 Color Transmit / Busy LED
- Channel Up/ Down Select
- Rotary Volume Knob
- 3 Function Keys: Menu, Call, Monitor
- Audio Accessory Jack
- Antenna (fixed non-removable)
- Rechargeable or Alkaline (3xAA) Operation
- 2 Year Limited Warranty

Included Accessories:

- Spring action belt clip
- Rapid Rate Drop-in charger
- Fixed Antenna
- NiMH Battery



Factory pre-set frequencies:

Ch.	Designator	Frequency
1	Yellow	464.5500 MHz
2	Blue Star	467.9250 MHz

8 memory bank frequencies for the ProTalk™ XLS:

Memory	Designator	Frequency
1	Brown	464.5000 MHz
2	Yellow	464.5500 MHz
3	J	467.7625 MHz
4	K	467.8125 MHz
5	Silver Star	467.8500 MHz
6	Gold Star	467.8750 MHz
7	Red Star	467.9000 MHz
8	Blue Star	467.9250 MHz

The above frequencies allow users to program the CH 1 & 2 settings should the factory pre-sets be too busy or non-useable in the area.

Land-Mobile Price List

TK-3131

FreeTalk XLS™ Ultra Compact Portable Transceiver

Model	Description	Dealer	List
UHF	Fixed Antenna, NiMH Battery, Spring action belt clip and Drop-in Rapid Rate Charger included		
TK-3131	462 MHz UHF 1W or 500 mW, 15 Ch. Ultra Compact Portable Transceiver	\$123.50	\$190.00

- 15 GMRS Channels
- Durable Polycarbonate Housing
- Small (1.97" W x 1.13" D x 4.63" H) & Lightweight (7 oz.)
- Over 10 hours Talk Time (90/5/5 duty cycle)
- User-selectable 1W or 500 mW Transmit Power
- Channel Scan
- User Programmable QT (38) and DQT (83) Signaling
- Tone and Vibration Alert
- Six Call Tones
- Voice Scrambler (not UBZ-LF14/LH14 compatible)
- Key Lock / Backlit LCD Display
- LCD Battery Meter & Low Battery Alert
- VOX (Voice-activated transmit) w/3 Sensitivity Levels
- VOX TX Delay and Busy Detect
- Time Out Timer
- 2 Color Transmit / Busy LED
- Channel Up/ Down Select
- Rotary Volume Knob
- 3 Function Keys: Menu, Call, Monitor
- Audio Accessory Jack
- Antenna (fixed non-removable)
- Rechargeable or Alkaline (3xAA) Operation
- 1 Year Limited Warranty

Included Accessories:

- Spring action belt clip
- Rapid Rate Drop-in charger
- Fixed Antenna
- NiMH Battery



Factory pre-set 15 GMRS frequencies:

Memory	Designator	Frequency
1		462.5625 MHz
2		462.5875 MHz
3		462.6125 MHz
4		462.6375 MHz
5		462.6625 MHz
6		462.6875 MHz
7		462.7125 MHz
8	White	462.5750 MHz
9	Black	462.6250 MHz
10	Orange (Emergency)	462.5875 MHz
11		462.5500 MHz
12		462.6000 MHz
13		462.6500 MHz
14		462.7000 MHz
15		462.7250 MHz

Accessories for TK-3130/3131 ProTalk™ XLS and FreeTalk™ XLS

Model	Description	Dealer	List
BATTERY AND CHARGER			
KNB-27N	Ni-MH battery	18.60	31.00
KSC-28	Rapid rate charger for TK-3130/3131	21.60	36.00
KMB-21	Six Unit Charger Adapter for the KSC-23BK/28 (chargers not included)	99.00	165.00
CARRYING ACCESSORY			
KLH-113	Nylon case for TK-3130/3131 (Black)	8.40	14.00
MICROPHONE AND SPEAKERS			
EMC-3	Clip Mic w/earphone	17.97	29.95
HMC-3	Headset w/PTT & VOX	35.97	59.95
KHS-1	Order HMC-3	N/A	N/A
KHS-22	Behind-the-Head Headset with flexible boom mic and in-line PTT single ear receiver; low profile wire head band; VOX-ready (radio must have VOX feature)	23.40	39.00
KHS-23	2-Wire Clip Mic with earbud	31.75	53.00
KMC-21	Compact speaker microphone	29.40	49.00

BUSINESS RADIO COMMUNICATIONS PRODUCTS

Terms & Conditions Summary

1. Freight will be Prepaid Ground on all orders with 10 radios or more, mix-n-match, on a single shipment.
2. Quantity Discounts will apply to the numbers of radios mix-n-match ordered on a single order to ship at the same time. UBZ models may not be combined with any other model radios to achieve discount levels. ProTalk™/FreeTalk XL™/XLS models may be combined with other Land Mobile radios, except the UBZ's, to achieve quantity discounts, except at the 25-Piece price. To obtain the 25-Piece price on ProTalk™/FreeTalk XL™/XLS models, orders must be for those models only, mix-n-match, for a single shipment.

a. FreeTalk™ (UBZ's)

<u># of Radios</u>	<u>Qty Discounts*</u>
5 to 9	2%
10 to 19	4%
20 to 24	6%
25+	15%

b. ProTalk™/FreeTalk XL™/XLS

<u># of Radios</u>	<u>Qty Discounts*</u>
10 to 24	5%
25-Piece	15%

* Quantity Discounts are percentage off Dealer price. Quantity Discounts apply to radios ONLY.

3. Prompt pay terms: 2% 30, Net 31 days from date of invoice with approved credit.
4. Please review Kenwood Communications Terms and Conditions for more details.

KENWOOD SERVICE
2201 E. DOMINGUEZ ST.
PO BOX 22745
LONG BEACH, CA 90801-5745
PH: (310) 639-5300
FAX: (310) 761-8290

KENWOOD COMMUNICATIONS
Distribution:
2201 E. Dominguez St.
Long Beach, CA 90810
PH: (310) 639-4200
FAX: (310) 761-8246

KENWOOD PARTS DEPT.
2201 E. DOMINGUEZ ST.
PO BOX 22745
LONG BEACH, CA 90801-5745
PH: (800) 367-7514 (Dealers)
FAX: (800) 437-7255

Land-Mobile Price List

NOT A DIRECT REPLACEMENT FOR TKR-720/820

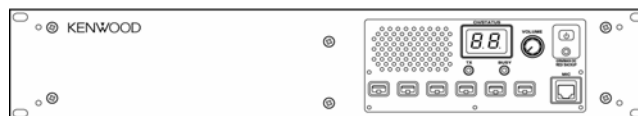
TKR-750/850 UHF/VHF Base Station / Repeaters

Model	Description	Dealer	List
Important Note: Current production starting SN 607XXXXX and later have built-in antenna switching for simplex base station use (dealer-enabled or see labor codes L-972/973 for factory enabling). Earlier production up to SN 606XXXXX required antenna relay KSG-9010050			
VHF	Includes: DC Power Cable, rack handles and hardware, adjustable mounting plate for DC power supply (DC power supply sold separately)		
TKR-750K	VHF 146-174 MHz 25-50W, Base-Repeater	\$890.00	\$1,483.00
TKR-750K2	VHF 136-150 MHz 25-50W, Base-Repeater	\$890.00	\$1,483.00
KSG-9010050	Antenna Relay (See Note Above)	\$204.08	\$340.14
UHF	Includes: DC Power Cable, rack handles and hardware, adjustable mounting plate for DC power supply (DC power supply sold separately)		
TKR-850K	UHF 450-480 MHz 25-40W, Base-Repeater	950.00	1,583.00
TKR-850K2	UHF 480-512 MHz 25-40W, Base-Repeater	950.00	1,583.00
TKR-850K3	UHF 400-430 MHz 25-40W, Base-Repeater	950.00	1,583.00
KSG-9010050	Antenna Relay (See Note Above)	\$204.08	\$340.14

Important -PassPort NTS Network Applications

The TKR-850 and systems built with this repeater are NOT compatible with PassPort NTS use.

TKR-750/850 FEATURES:



GENERAL FEATURES:

TKR-750 VHF 25-50 Watts adjustable
TKR-850 UHF 25-40 Watts adjustable
19" Rack Mount Design
Continuous Transmit Duty (100% @ 25W / 50% @ 50/40W)
Wide/Narrow Channel Spacing Per Channel
(UHF: 25/12.5 kHz; VHF: 25, 20/ 15,12.5)
Primary DC Input Connector (AC-to-DC power supply optional)
Auto-Switched Back-up DC Input Connector
Backup Battery Warning & Operation Tone (*)
Rear External Speaker Output (4 W Audio)
Rear Accessory / Logic Controller Connector (25 Pin)
Rear Test-Speaker-AUX Connector (15 Pin)
Built-in Cooling Fan (temperature or carrier controlled)
Programmable AUX Input /Output Functions
Macro-Function AUX Inputs
DTMF Over-the-Air Remote Function & Auxiliary Output Control (*)
Pre-Emphasis On/Off Control @ TA AUX Input (*)
DSP Processed QT/DQT
DSP Processed Companded Audio (simplex base operation)
QT/DQT Squelch-Tail Elimination
Electronic Serial Number (ESN)
Embedded Message with Password Protection
High Stability Oscillators (TCXO)
Windows 95/98 compatible PC programming & tuning
Flash Memory
2 Years Parts and Labor Warranty

REPEATER FEATURES:

Full-Duplex Operation
Built-in 16 QT/DQT Community Repeater Operation
External Controller Interface
Conventional or Trunking Controller Compatible
Repeat Enable / Disable
CW Transmitter ID
Repeat Hold Timer (hang timer)
Time Out Timer

BASE STATION FEATURES:

16 Channel
Simplex or Full Duplex Operation
Built-in Antenna Switching (*)
Priority Scan
Remote Control Inputs
2-Digit LED Channel & Scan Indicator
Power/Transmit/Busy LED Indicators
6 Lighted PF Keys
Local Takeover / Remote PF Key
Channel Up/Down PF Keys
Volume Control Knob
Front Microphone Jack
Front Panel Speaker
Voice Encryption Option Port

(*) Production starting at SN 607XXXXX & higher; requires KPG-91D Program software to activate

Accessories for the TKR-750/850 Repeaters

Model	Description	Dealer	List
<u>MICROPHONES AND SPEAKERS</u>			
KMC-27A	Heavy-duty noise-canceling mobile hand microphone	\$59.40	\$99.00
KMC-27B	Heavy-duty mobile hand microphone	24.00	40.00
KMC-9C	Base Station Desktop microphone	49.20	82.00
KES-4	External Speaker	35.00	59.00
<u>POWER SUPPLY</u>			
KPS-15* (see notes below)	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak) *Compatible with medium & high power compact mobiles only: 60/60G/60H/60HG/62/62G/60H/60HG/80-series mobiles; TKR-750/850, Use: 50% transmit duty cycle ONLY!!!	99.00	167.00
<u>SERVICE RELATED ACCESSORIES</u>			
KPG-46	Programming interface cable	109.00	N/A
KPG-91D	Programming Software (For TKR-750/850 SN 607XXXXX and later with new features (released 10/04); programs earlier versions also)	39.00	N/A
KPG-66D	Programming Software (For earlier TKR-750/850 up to SN 606XXXXX; programs later versions SN607XXXXX and higher, but will not activate new features) INTENT TO DISCONTINUE	39.00	N/A
*****	Call Kenwood Service Corporation Parts Dept. at 800-367-7514 to order the following; prices and availability are subject to change without notice per KSC Parts Dept. policy :		
E30-3427-15	DC Power Cable - same as supplied	11.79	19.81

Installation / Tuning Charges for the TKR-750/850 Repeaters

Model	Description	Dealer	List
L-916	Tune TKR-750/850	18.00	30.00
L-923	RX center frequency adjustment for TKR-750/850 Note: This alignment is needed to get maximum performance of the receiver and to reduce the possibility of desense in the repeater.	15.00	25.00
L-972	Modify TKR-750; enable antenna switch for simplex base operation. See service manual for details; For SN 607XXXX and later ONLY	75.00	125.00
L-973	Modify TKR-850; enable antenna switch for simplex base operation. See service manual for details; For SN 607XXXX and later ONLY	75.00	125.00

Notes about duplexer selection for the TKR-750/850/740/840/830:

1. TX-RX frequency spacing greater than the minimums (below) require special consideration and design. Duplexers are designed for single channel applications only.
2. An investment in premium 6-cavity band-pass/band-reject duplexers is highly recommended as opposed to more economical lower performance 4-cavity duplexers which could result in de-sense problems. Miniature 4-cavity mobile duplexers are absolutely NOT recommended (despite the options space available in the TKR-750/850 housing) .

Examples:

TKR-850/840/830: 6-cavity band-pass/band-reject duplexer, Telewave model TPRD-4546, minimum TX-RX spacing 3 MHz

TKR-750/740: 6-cavity band-pass/band-reject duplexer, Telewave model TPRD-1556, minimum TX-RX spacing 400 kHz

3. It is recommended that Kenwood dealers purchase Telewave or other brand/model duplexers of equivalent specifications directly from the duplexer manufacturer/distributor for single unit/small volume needs for reasons of costs, support and warranty issues. Kenwood systems division uses and re-sells Telewave brand duplexers for a majority of system installations, however, Kenwood can only offer comparable OEM pricing and support on duplexers when sold as integrated components of a Kenwood system package.

*** KPS-15 and the TKR-750/TKR-850 Repeaters:**

Kenwood does not install KPS-15's into TKR-750/850 repeaters (dealer install only). Please note the combined shipping weight of a TKR-750/850 and a KPS-15 exceed the rated capacity of the TKR-750/850 factory cartons. The KPS-15 D.C. power supply is Kenwood approved for use on both the TKR-750 and TKR-850 repeater units (operating at rated 50% transmit duty-cycle). This does not apply to any other Kenwood repeater model. The KPS-15 may require a 1 minute warm up at -30 C (due to wet electrolytic capacitors).

Dealer Installation Guide:

Required hardware/accessories NOT supplied: foam weather stripping, cable clamps, spade lugs or written instructions.

1. Use the mounting shims and bracket supplied with the TKR-750/850 to mount the KPS-15 inside the TKR-750/850.
2. Mount the KPS-15 with the Power Switch facing out the rear of the TKR-750/850.
3. A.C. & D.C. cables should be secured inside the TKR-750/850 using two 3/8" wide x 3/8" diameter plastic cable clamps.
4. Terminate the D.C. cable with No. 8-10 stud spade lugs or similar.
5. Use a 12-inch long strip of 3/8" wide x 7/16" thick foam rubber weather stripping to partition the top incoming cool and bottom outgoing hot air. Place this stripping on the underside of the KPS-15 to seal against the TKR-750/850 as follows: 2 1/2-inch along the KPS-15 front edge (facing the TKR-750/850 rear); a 7-inch length behind the cooling fan on the KPS-15 bottom and a 2 1/2-inch length along the KPS-15 back edge (facing the TKR-750/850 front).

Systems Price List

Rack-Mounted 800/900 MHz Trunking Systems

TKR-9300S/9301S Systems include: TKR-900/901 Repeater(s), continuous-duty RF Amplifier(s), Controllers, and Power Supplies. Systems are completely assembled, tuned, tested, installed in 7' Racks and shipped in special heavy duty shock absorbing crates.

TKR-9300S (800 MHz)

TKR-9300S 800 MHz Trunking Systems include: Kenwood TKR-900 TX-RX Unit(s). The TKR-900 units operate on FCC channel assignments 001~600, RX: 806.0125 - 820.9875, TX: 851.0125 - 865.9875, +/- 5kHz Modulation, 0.00015% Freq. Stability.
FOR NPSPAC PRICING, PLEASE CONTACT KENWOOD SYSTEMS, INC.

Model	Description	Dealer	List
800 MHz, 80W, DISPATCH TRUNKING SYSTEM			
9300S-1T80R7-SC	1-Channel 800 MHz, includes KSG1104000 controller and 7 ft rack	\$ 6,637.00	\$ 11,061.00
9300S-1T80R7-MC	1-Channel 800 MHz, includes KSG1104000 controller and 7 ft rack	\$ 7,364.00	\$ 12,273.00
9300S-1T80R7-MS	1-Channel 800 MHz, includes KSG1104000 controller and 7 ft rack	\$ 7,660.00	\$ 12,766.00
9300S-1Z80R7-SC	1-Channel 800 MHz, includes KSG1204210 controller and 7 ft rack	\$ 6,867.00	\$ 11,445.00
9300S-1Z80R7-MC	1-Channel 800 MHz, includes KSG1204210 controller and 7 ft rack	\$ 7,594.00	\$ 12,657.00
9300S-1Z80R7-MS	1-Channel 800 MHz, includes KSG1204210 controller and 7 ft rack	\$ 7,890.00	\$ 13,150.00
9300S-2T80R7-SC	2-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 12,210.00	\$ 20,350.00
9300S-2T80R7-MC	2-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 12,613.00	\$ 21,022.00
9300S-2T80R7-MS	2-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 12,909.00	\$ 21,515.00
9300S-2Z80R7-SC	2-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 12,670.00	\$ 21,116.00
9300S-2Z80R7-MC	2-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 13,073.00	\$ 21,788.00
9300S-2Z80R7-MS	2-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 13,369.00	\$ 22,282.00
9300S-3T80R7-SC	3-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 17,666.00	\$ 29,443.00
9300S-3T80R7-MC	3-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 18,796.00	\$ 31,327.00
9300S-3T80R7-MS	3-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 19,092.00	\$ 31,820.00
9300S-3Z80R7-SC	3-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 18,356.00	\$ 30,593.00
9300S-3Z80R7-MC	3-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 19,486.00	\$ 32,477.00
9300S-3Z80R7-MS	3-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 19,782.00	\$ 32,970.00
9300S-4T80R7-SC	4-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 23,219.00	\$ 38,698.00
9300S-4T80R7-MC	4-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 24,025.00	\$ 40,042.00
9300S-4T80R7-MS	4-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 24,321.00	\$ 40,535.00
9300S-4Z80R7-SC	4-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 24,139.00	\$ 40,231.00
9300S-4Z80R7-MC	4-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 24,945.00	\$ 41,575.00
9300S-4Z80R7-MS	4-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 25,241.00	\$ 42,069.00
9300S-5T80R7-SC	5-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 28,697.00	\$ 47,828.00
9300S-5T80R7-MC	5-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 30,230.00	\$ 50,384.00
9300S-5T80R7-MS	5-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 30,822.00	\$ 51,371.00
9300S-5Z80R7-SC	5-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 29,847.00	\$ 49,745.00
9300S-5Z80R7-MC	5-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 31,380.00	\$ 52,301.00
9300S-5Z80R7-MS	5-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 31,972.00	\$ 53,287.00

R7 = KSG-94001-70 7' Equipment Rack

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

Rack-Mounted 800/900 MHz Trunking Systems

TKR-9300S/9301S Systems include: TKR-900/901 Repeater(s), continuous-duty RF Amplifier(s), Controllers, and Power Supplies. Systems are completely assembled, tuned, tested, installed in 7' Racks and shipped in special heavy duty shock absorbing crates.

TKR-9300S (800 MHz)

TKR-9300S 800 MHz Trunking Systems include: Kenwood TKR-900 TX-RX Unit(s). The TKR-900 units operate on FCC channel assignments 001~600, RX: 806.0125 - 820.9875, TX: 851.0125 - 865.9875, +/- 5kHz Modulation, 0.00015% Freq. Stability.
FOR NPSPAC PRICING, PLEASE CONTACT KENWOOD SYSTEMS, INC.

Model	Description	Dealer	List
800 MHz, 130W, DISPATCH TRUNKING SYSTEM			
9300S-1T13R7-SC	1-Channel 800 MHz, includes KSG1104000 controller and 7 ft rack	\$ 10,312.00	\$ 17,187.00
9300S-1T13R7-MC	1-Channel 800 MHz, includes KSG1104000 controller and 7 ft rack	\$ 11,039.00	\$ 18,399.00
9300S-1T13R7-MS	1-Channel 800 MHz, includes KSG1104000 controller and 7 ft rack	\$ 11,337.00	\$ 18,896.00
9300S-1Z13R7-SC	1-Channel 800 MHz, includes KSG1204210 controller and 7 ft rack	\$ 10,542.00	\$ 17,571.00
9300S-1Z13R7-MC	1-Channel 800 MHz, includes KSG1204210 controller and 7 ft rack	\$ 11,269.00	\$ 18,782.00
9300S-1Z13R7-MS	1-Channel 800 MHz, includes KSG1204210 controller and 7 ft rack	\$ 11,567.00	\$ 19,279.00
9300S-2T13R7-SC	2-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 19,237.00	\$ 32,062.00
9300S-2T13R7-MC	2-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 19,964.00	\$ 33,273.00
9300S-2T13R7-MS	2-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 20,260.00	\$ 33,767.00
9300S-2Z13R7-SC	2-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 19,697.00	\$ 32,828.00
9300S-2Z13R7-MC	2-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 20,424.00	\$ 34,040.00
9300S-2Z13R7-MS	2-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 20,720.00	\$ 34,533.00
9300S-3T13R7-SC	3-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 28,078.00	\$ 46,797.00
9300S-3T13R7-MC	3-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 28,806.00	\$ 48,009.00
9300S-3T13R7-MS	3-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 29,102.00	\$ 48,503.00
9300S-3Z13R7-SC	3-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 28,768.00	\$ 47,947.00
9300S-3Z13R7-MC	3-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 29,496.00	\$ 49,159.00
9300S-3Z13R7-MS	3-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 29,792.00	\$ 49,653.00
9300S-4T13R7-SC	4-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 36,949.00	\$ 61,582.00
9300S-4T13R7-MC	4-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 37,676.00	\$ 62,794.00
9300S-4T13R7-MS	4-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 37,972.00	\$ 63,287.00
9300S-4Z13R7-SC	4-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 37,869.00	\$ 63,115.00
9300S-4Z13R7-MC	4-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 38,596.00	\$ 64,327.00
9300S-4Z13R7-MS	4-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 38,892.00	\$ 64,820.00
9300S-5T13R7-SC	5-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 45,779.00	\$ 76,298.00
9300S-5T13R7-MC	5-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 46,506.00	\$ 77,510.00
9300S-5T13R7-MS	5-Channel 800 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 46,802.00	\$ 78,003.00
9300S-5Z13R7-SC	5-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 46,929.00	\$ 78,215.00
9300S-5Z13R7-MC	5-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 47,656.00	\$ 79,427.00
9300S-5Z13R7-MS	5-Channel 800 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 47,952.00	\$ 79,920.00

R7 = KSG-94001-70 7' Equipment Rack

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

Rack-Mounted 800/900 MHz Trunking Systems

TKR-9300S/9301S Systems include: TKR-900/901 Repeater(s), continuous-duty RF Amplifier(s), Controllers, and Power Supplies. Systems are completely assembled, tuned, tested, installed in 7' Racks and shipped in special heavy duty shock absorbing crates.

TKR-9301S (900 MHz)

TKR-9301S 900 MHz Trunking Systems include: Kenwood TKR-901 TX-RX Unit(s). The TKR-901 units operate on FCC channel assignments 001-399, RX: 896.0125 - 900.9875, TX: 935.0125 - 939.9875, 0.00001% Freq. Stability.

Model	Description	Dealer	List
900 MHz, 130W, DISPATCH TRUNKING SYSTEM			
9301S-1T13R7-SC	1-Channel 900 MHz, includes KSG1104000 controller and 7 ft rack	\$ 10,723.00	\$ 17,871.00
9301S-1T13R7-MC	1-Channel 900 MHz, includes KSG1104000 controller and 7 ft rack	\$ 11,450.00	\$ 19,083.00
9301S-1T13R7-MS	1-Channel 900 MHz, includes KSG1104000 controller and 7 ft rack	\$ 11,746.00	\$ 19,576.00
9301S-1Z13R7-SC	1-Channel 900 MHz, includes KSG1204210 controller and 7 ft rack	\$ 10,953.00	\$ 18,254.00
9301S-1Z13R7-MC	1-Channel 900 MHz, includes KSG1204210 controller and 7 ft rack	\$ 11,680.00	\$ 19,466.00
9301S-1Z13R7-MS	1-Channel 900 MHz, includes KSG1204210 controller and 7 ft rack	\$ 11,976.00	\$ 19,959.00
9301S-2T13R7-SC	2-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 19,647.00	\$ 32,745.00
9301S-2T13R7-MC	2-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 20,374.00	\$ 33,957.00
9301S-2T13R7-MS	2-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 20,670.00	\$ 34,450.00
9301S-2Z13R7-SC	2-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 20,107.00	\$ 33,512.00
9301S-2Z13R7-MC	2-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 20,834.00	\$ 34,724.00
9301S-2Z13R7-MS	2-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 21,130.00	\$ 35,217.00
9301S-3T13R7-SC	3-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 28,489.00	\$ 47,481.00
9301S-3T13R7-MC	3-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 29,216.00	\$ 48,693.00
9301S-3T13R7-MS	3-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 29,512.00	\$ 49,186.00
9301S-3Z13R7-SC	3-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 29,179.00	\$ 48,631.00
9301S-3Z13R7-MC	3-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 29,906.00	\$ 49,843.00
9301S-3Z13R7-MS	3-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 30,202.00	\$ 50,336.00
9301S-4T13R7-SC	4-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 37,359.00	\$ 62,266.00
9301S-4T13R7-MC	4-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 38,086.00	\$ 63,477.00
9301S-4T13R7-MS	4-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 38,382.00	\$ 63,971.00
9301S-4Z13R7-SC	4-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 38,279.00	\$ 63,799.00
9301S-4Z13R7-MC	4-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 39,006.00	\$ 65,011.00
9301S-4Z13R7-MS	4-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 39,302.00	\$ 65,504.00
9301S-5T13R7-SC	5-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 46,189.00	\$ 76,982.00
9301S-5T13R7-MC	5-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 46,916.00	\$ 78,194.00
9301S-5T13R7-MS	5-Channel 900 MHz, includes KSG1104000 controllers and 7 ft rack	\$ 47,212.00	\$ 78,687.00
9301S-5Z13R7-SC	5-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 47,339.00	\$ 78,899.00
9301S-5Z13R7-MC	5-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 48,066.00	\$ 80,110.00
9301S-5Z13R7-MS	5-Channel 900 MHz, includes KSG1204210 controllers and 7 ft rack	\$ 48,362.00	\$ 80,604.00

R7 = KSG-94001-70 7' Equipment Rack

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

Cabinet-Mounted Trunking Systems

TKR-9300S/9301S Systems include: TKR-900/901 Repeater(s), continuous-duty RF Amplifier(s), Controllers, and Power Supplies. Systems are completely assembled, tuned, tested, installed in locking cabinets and shipped in special heavy duty shock absorbing crates.

TKR-9300S (800 MHz)

TKR-9300S 800 MHz Trunking Systems include: Kenwood TKR-900 TX-RX Unit(s). The TKR-900 units operate on FCC channel assignments 001~600, RX: 806.0125 - 820.9875, TX: 851.0125 - 865.9875, +/- 5kHz Modulation, 0.00015% Freq. Stability.
FOR NPSPAC PRICING, PLEASE CONTACT KENWOOD SYSTEMS, INC.

Model	Description	Dealer	List
800 MHz, 80W, DISPATCH TRUNKING SYSTEM			
9300S-1T80C2-SC	1-Channel 800 MHz, includes KSG1104000 controller and 42" cabinet	\$ 7,288.00	\$ 12,147.00
9300S-1T80C2-MC	1-Channel 800 MHz, includes KSG1104000 controller and 42" cabinet	\$ 8,015.00	\$ 13,359.00
9300S-1T80C2-MS	1-Channel 800 MHz, includes KSG1104000 controller and 42" cabinet	\$ 8,311.00	\$ 13,852.00
9300S-1Z80C2-SC	1-Channel 800 MHz, includes KSG1204210 controller and 42" cabinet	\$ 7,518.00	\$ 12,530.00
9300S-1Z80C2-MC	1-Channel 800 MHz, includes KSG1204210 controller and 42" cabinet	\$ 8,245.00	\$ 13,742.00
9300S-1Z80C2-MS	1-Channel 800 MHz, includes KSG1204210 controller and 42" cabinet	\$ 8,541.00	\$ 14,235.00
9300S-2T80C2-SC	2-Channel 800 MHz, includes KSG1104000 controllers and 42" cabinet	\$ 12,861.00	\$ 21,435.00
9300S-2T80C2-MC	2-Channel 800 MHz, includes KSG1104000 controllers and 42" cabinet	\$ 13,264.00	\$ 22,107.00
9300S-2T80C2-MS	2-Channel 800 MHz, includes KSG1104000 controllers and 42" cabinet	\$ 13,560.00	\$ 22,601.00
9300S-2Z80C2-SC	2-Channel 800 MHz, includes KSG1204210 controllers and 42" cabinet	\$ 13,321.00	\$ 22,202.00
9300S-2Z80C2-MC	2-Channel 800 MHz, includes KSG1204210 controllers and 42" cabinet	\$ 13,724.00	\$ 22,874.00
9300S-2Z80C2-MS	2-Channel 800 MHz, includes KSG1204210 controllers and 42" cabinet	\$ 14,020.00	\$ 23,367.00
9300S-3T80C4-SC	3-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 18,612.00	\$ 31,020.00
9300S-3T80C4-MC	3-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 19,742.00	\$ 32,904.00
9300S-3T80C4-MS	3-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 20,038.00	\$ 33,397.00
9300S-3Z80C4-SC	3-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 19,302.00	\$ 32,170.00
9300S-3Z80C4-MC	3-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 20,432.00	\$ 34,054.00
9300S-3Z80C4-MS	3-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 20,728.00	\$ 34,547.00
9300S-4T80C4-SC	4-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 24,165.00	\$ 40,275.00
9300S-4T80C4-MC	4-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 24,971.00	\$ 41,619.00
9300S-4T80C4-MS	4-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 25,267.00	\$ 42,112.00
9300S-4Z80C4-SC	4-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 25,085.00	\$ 41,808.00
9300S-4Z80C4-MC	4-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 25,891.00	\$ 43,152.00
9300S-4Z80C4-MS	4-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 26,187.00	\$ 43,645.00
9300S-5T80C4-SC	5-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 29,643.00	\$ 49,405.00
9300S-5T80C4-MC	5-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 31,177.00	\$ 51,961.00
9300S-5T80C4-MS	5-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 31,768.00	\$ 52,947.00
9300S-5Z80C4-SC	5-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 30,793.00	\$ 51,322.00
9300S-5Z80C4-MC	5-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 32,327.00	\$ 53,878.00
9300S-5Z80C4-MS	5-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 32,918.00	\$ 54,864.00

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

Cabinet-Mounted Trunking Systems

TKR-9300S/9301S Systems include: TKR-900/901 Repeater(s), continuous-duty RF Amplifier(s), Controllers, and Power Supplies. Systems are completely assembled, tuned, tested, installed in locking cabinets and shipped in special heavy duty shock absorbing crates.

TKR-9300S (800 MHz)

TKR-9300S 800 MHz Trunking Systems include: Kenwood TKR-900 TX-RX Unit(s). The TKR-900 units operate on FCC channel assignments 001~600, RX: 806.0125 - 820.9875, TX: 851.0125 - 865.9875, +/- 5kHz Modulation, 0.00015% Freq. Stability.
FOR NPSPAC PRICING, PLEASE CONTACT KENWOOD SYSTEMS, INC.

Model	Description	Dealer	List
800 MHz, 130W, DISPATCH TRUNKING SYSTEM			
9300S-1T13C2-SC	1-Channel 800 MHz, includes KSG1104000 controller and 42" cabinet	\$ 10,964.00	\$ 18,273.00
9300S-1T13C2-MC	1-Channel 800 MHz, includes KSG1104000 controller and 42" cabinet	\$ 11,691.00	\$ 19,485.00
9300S-1T13C2-MS	1-Channel 800 MHz, includes KSG1104000 controller and 42" cabinet	\$ 11,989.00	\$ 19,981.00
9300S-1Z13C2-SC	1-Channel 800 MHz, includes KSG1204210 controller and 42" cabinet	\$ 11,194.00	\$ 18,656.00
9300S-1Z13C2-MC	1-Channel 800 MHz, includes KSG1204210 controller and 42" cabinet	\$ 11,921.00	\$ 19,868.00
9300S-1Z13C2-MS	1-Channel 800 MHz, includes KSG1204210 controller and 42" cabinet	\$ 12,219.00	\$ 20,365.00
9300S-2T13C2-SC	2-Channel 800 MHz, includes KSG1104000 controllers and 42" cabinet	\$ 19,888.00	\$ 33,147.00
9300S-2T13C2-MC	2-Channel 800 MHz, includes KSG1104000 controllers and 42" cabinet	\$ 20,615.00	\$ 34,359.00
9300S-2T13C2-MS	2-Channel 800 MHz, includes KSG1104000 controllers and 42" cabinet	\$ 20,911.00	\$ 34,852.00
9300S-2Z13C2-SC	2-Channel 800 MHz, includes KSG1204210 controllers and 42" cabinet	\$ 20,348.00	\$ 33,914.00
9300S-2Z13C2-MC	2-Channel 800 MHz, includes KSG1204210 controllers and 42" cabinet	\$ 21,075.00	\$ 35,126.00
9300S-2Z13C2-MS	2-Channel 800 MHz, includes KSG1204210 controllers and 42" cabinet	\$ 21,371.00	\$ 35,619.00
9300S-3T13C4-SC	3-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 29,025.00	\$ 48,374.00
9300S-3T13C4-MC	3-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 29,752.00	\$ 49,586.00
9300S-3T13C4-MS	3-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 30,048.00	\$ 50,079.00
9300S-3Z13C4-SC	3-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 29,715.00	\$ 49,524.00
9300S-3Z13C4-MC	3-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 30,442.00	\$ 50,736.00
9300S-3Z13C4-MS	3-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 30,738.00	\$ 51,229.00
9300S-4T13C4-SC	4-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 37,895.00	\$ 63,159.00
9300S-4T13C4-MC	4-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 38,622.00	\$ 64,370.00
9300S-4T13C4-MS	4-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 38,918.00	\$ 64,864.00
9300S-4Z13C4-SC	4-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 38,815.00	\$ 64,692.00
9300S-4Z13C4-MC	4-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 39,542.00	\$ 65,904.00
9300S-4Z13C4-MS	4-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 39,838.00	\$ 66,397.00
9300S-5T13C4-SC	5-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 46,725.00	\$ 77,875.00
9300S-5T13C4-MC	5-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 47,452.00	\$ 79,087.00
9300S-5T13C4-MS	5-Channel 800 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 47,748.00	\$ 79,580.00
9300S-5Z13C4-SC	5-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 47,875.00	\$ 79,792.00
9300S-5Z13C4-MC	5-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 48,602.00	\$ 81,003.00
9300S-5Z13C4-MS	5-Channel 800 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 48,898.00	\$ 81,497.00

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

Cabinet-Mounted Trunking Systems

TKR-9300S/9301S Systems include: TKR-900/901 Repeater(s), continuous-duty RF Amplifier(s), Controllers, and Power Supplies. Systems are completely assembled, tuned, tested, installed in locking cabinets and shipped in special heavy duty shock absorbing crates.

TKR-9301S (900 MHz)

TKR-9301S 900 MHz Trunking Systems include: Kenwood TKR-901 TX-RX Unit(s). The TKR-901 units operate on FCC channel assignments 001~399, RX: 896.0125 - 900.9875, TX: 935.0125 - 939.9875, 0.00001% Freq. Stability.

Model	Description	Dealer	List
900 MHz, 130W, DISPATCH TRUNKING SYSTEM			
9301S-1T13C2-SC	1-Channel 900 MHz, includes KSG1104000 controller and 42" cabinet	\$ 11,374.00	\$ 18,957.00
9301S-1T13C2-MC	1-Channel 900 MHz, includes KSG1104000 controller and 42" cabinet	\$ 12,101.00	\$ 20,168.00
9301S-1T13C2-MS	1-Channel 900 MHz, includes KSG1104000 controller and 42" cabinet	\$ 12,397.00	\$ 20,662.00
9301S-1Z13C2-SC	1-Channel 900 MHz, includes KSG1204210 controller and 42" cabinet	\$ 11,604.00	\$ 19,340.00
9301S-1Z13C2-MC	1-Channel 900 MHz, includes KSG1204210 controller and 42" cabinet	\$ 12,331.00	\$ 20,552.00
9301S-1Z13C2-MS	1-Channel 900 MHz, includes KSG1204210 controller and 42" cabinet	\$ 12,627.00	\$ 21,045.00
9301S-2T13C2-SC	2-Channel 900 MHz, includes KSG1104000 controllers and 42" cabinet	\$ 20,299.00	\$ 33,831.00
9301S-2T13C2-MC	2-Channel 900 MHz, includes KSG1104000 controllers and 42" cabinet	\$ 21,026.00	\$ 35,043.00
9301S-2T13C2-MS	2-Channel 900 MHz, includes KSG1104000 controllers and 42" cabinet	\$ 21,322.00	\$ 35,536.00
9301S-2Z13C2-SC	2-Channel 900 MHz, includes KSG1204210 controllers and 42" cabinet	\$ 20,759.00	\$ 34,598.00
9301S-2Z13C2-MC	2-Channel 900 MHz, includes KSG1204210 controllers and 42" cabinet	\$ 21,486.00	\$ 35,809.00
9301S-2Z13C2-MS	2-Channel 900 MHz, includes KSG1204210 controllers and 42" cabinet	\$ 21,782.00	\$ 36,303.00
9301S-3T13C4-SC	3-Channel 900 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 29,435.00	\$ 49,058.00
9301S-3T13C4-MC	3-Channel 900 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 30,162.00	\$ 50,270.00
9301S-3T13C4-MS	3-Channel 900 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 30,458.00	\$ 50,763.00
9301S-3Z13C4-SC	3-Channel 900 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 30,125.00	\$ 50,208.00
9301S-3Z13C4-MC	3-Channel 900 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 30,852.00	\$ 51,420.00
9301S-3Z13C4-MS	3-Channel 900 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 31,148.00	\$ 51,913.00
9301S-4T13C4-SC	4-Channel 900 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 38,305.00	\$ 63,842.00
9301S-4T13C4-MC	4-Channel 900 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 39,033.00	\$ 65,054.00
9301S-4T13C4-MS	4-Channel 900 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 39,328.00	\$ 65,547.00
9301S-4Z13C4-SC	4-Channel 900 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 39,225.00	\$ 65,376.00
9301S-4Z13C4-MC	4-Channel 900 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 39,953.00	\$ 66,588.00
9301S-4Z13C4-MS	4-Channel 900 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 40,248.00	\$ 67,081.00
9301S-5T13C4-SC	5-Channel 900 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 47,135.00	\$ 78,559.00
9301S-5T13C4-MC	5-Channel 900 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 47,862.00	\$ 79,770.00
9301S-5T13C4-MS	5-Channel 900 MHz, includes KSG1104000 controllers and 77" cabinet	\$ 48,158.00	\$ 80,264.00
9301S-5Z13C4-SC	5-Channel 900 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 48,285.00	\$ 80,475.00
9301S-5Z13C4-MC	5-Channel 900 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 49,012.00	\$ 81,687.00
9301S-5Z13C4-MS	5-Channel 900 MHz, includes KSG1204210 controllers and 77" cabinet	\$ 49,308.00	\$ 82,180.00

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-8400S**Frequency****K: 450-480 MHz****K2: 480-512 MHz****K3: 400-430 MHz****Rack-Mounted UHF Trunking Systems**

TKR-8400S Systems include: TKR-840 Repeater(s), continuous-duty RF Amplifier(s), Controller(s), and Power Supplies. Systems are completely assembled, tuned, tested, installed in 7' Racks and shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
UHF 100W TKR-8400S, DISPATCH TRUNKING SYSTEM - [KSG-11040 Controller(s)]			
8400S-1T10R7-SC	1-Channel UHF, includes KSG1104000 controller and 7 ft rack	\$ 6,671.00	\$ 11,118.00
8400S-1T10R7-MC	1-Channel UHF, includes KSG1104000 controller and 7 ft rack	\$ 7,398.00	\$ 12,329.00
8400S-1T10R7-MS	1-Channel UHF, includes KSG1104000 controller and 7 ft rack	\$ 7,694.00	\$ 12,823.00
8400S-1Z10R7-SC	1-Channel UHF, includes KSG1204210 controller and 7 ft rack	\$ 6,901.00	\$ 11,501.00
8400S-1Z10R7-MC	1-Channel UHF, includes KSG1204210 controller and 7 ft rack	\$ 7,628.00	\$ 12,713.00
8400S-1Z10R7-MS	1-Channel UHF, includes KSG1204210 controller and 7 ft rack	\$ 7,924.00	\$ 13,206.00
8400S-2T10R7-SC	2-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 12,173.00	\$ 20,288.00
8400S-2T10R7-MC	2-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 12,586.00	\$ 20,977.00
8400S-2T10R7-MS	2-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 12,882.00	\$ 21,470.00
8400S-2Z10R7-SC	2-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 12,633.00	\$ 21,055.00
8400S-2Z10R7-MC	2-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 13,046.00	\$ 21,744.00
8400S-2Z10R7-MS	2-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 13,342.00	\$ 22,237.00
8400S-3T10R7-SC	3-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 17,704.00	\$ 29,506.00
8400S-3T10R7-MC	3-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 18,834.00	\$ 31,390.00
8400S-3T10R7-MS	3-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 19,130.00	\$ 31,883.00
8400S-3Z10R7-SC	3-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 18,394.00	\$ 30,656.00
8400S-3Z10R7-MC	3-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 19,524.00	\$ 32,540.00
8400S-3Z10R7-MS	3-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 19,820.00	\$ 33,033.00
8400S-4T10R7-SC	4-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 23,219.00	\$ 38,699.00
8400S-4T10R7-MC	4-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 24,025.00	\$ 40,042.00
8400S-4T10R7-MS	4-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 24,321.00	\$ 40,536.00
8400S-4Z10R7-SC	4-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 24,139.00	\$ 40,232.00
8400S-4Z10R7-MC	4-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 24,945.00	\$ 41,576.00
8400S-4Z10R7-MS	4-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 25,241.00	\$ 42,069.00
8400S-5T10R7-SC	5-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 28,730.00	\$ 47,883.00
8400S-5T10R7-MC	5-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 30,263.00	\$ 50,438.00
8400S-5T10R7-MS	5-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 30,855.00	\$ 51,425.00
8400S-5Z10R7-SC	5-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 29,880.00	\$ 49,799.00
8400S-5Z10R7-MC	5-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 31,413.00	\$ 52,355.00
8400S-5Z10R7-MS	5-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 32,005.00	\$ 53,341.00
PROGRAMMING			
KPG-47D	Programming Disk (TKR-840/830/740)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

R7 = KSG-94001-70 7' Equipment Rack**SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)****MC = multi channel 70A power supply (1 per 2 channels)****MS = multi channel 70A power supply with smart charger option (1 per 2 channels)**

TKR-8400S

Frequency
K: 450-480 MHz
K2: 480-512 MHz
K3: 400-430 MHz

Cabinet-Mounted UHF Trunking Systems

TKR-8400S Systems include: TKR-840 Repeater(s), continuous-duty RF Amplifier(s), Controller(s), and Power Supplies. Systems are completely assembled, tuned, tested, installed in locking cabinets and shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer		List
UHF 100W TKR-8400S, DISPATCH TRUNKING SYSTEM - [KSG-11040 Controller(s)]				
8400S-1T10C2-SC	1-Channel UHF, includes KSG1104000 controller and 42" cabinet	\$ 7,322.00	\$	12,203.00
8400S-1T10C2-MC	1-Channel UHF, includes KSG1104000 controller and 42" cabinet	\$ 8,049.00	\$	13,415.00
8400S-1T10C2-MS	1-Channel UHF, includes KSG1104000 controller and 42" cabinet	\$ 8,345.00	\$	13,908.00
8400S-1Z10C2-SC	1-Channel UHF, includes KSG1204210 controller and 42" cabinet	\$ 7,552.00	\$	12,587.00
8400S-1Z10C2-MC	1-Channel UHF, includes KSG1204210 controller and 42" cabinet	\$ 8,279.00	\$	13,798.00
8400S-1Z10C2-MS	1-Channel UHF, includes KSG1204210 controller and 42" cabinet	\$ 8,575.00	\$	14,292.00
8400S-2T10C2-SC	2-Channel UHF, includes KSG1104000 controllers and 42" cabinet	\$ 12,824.00	\$	21,374.00
8400S-2T10C2-MC	2-Channel UHF, includes KSG1104000 controllers and 42" cabinet	\$ 13,238.00	\$	22,063.00
8400S-2T10C2-MS	2-Channel UHF, includes KSG1104000 controllers and 42" cabinet	\$ 13,533.00	\$	22,556.00
8400S-2Z10C2-SC	2-Channel UHF, includes KSG1204210 controllers and 42" cabinet	\$ 13,284.00	\$	22,140.00
8400S-2Z10C2-MC	2-Channel UHF, includes KSG1204210 controllers and 42" cabinet	\$ 13,698.00	\$	22,829.00
8400S-2Z10C2-MS	2-Channel UHF, includes KSG1204210 controllers and 42" cabinet	\$ 13,993.00	\$	23,322.00
8400S-3T10C4-SC	3-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 18,650.00	\$	31,083.00
8400S-3T10C4-MC	3-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 19,780.00	\$	32,966.00
8400S-3T10C4-MS	3-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 20,076.00	\$	33,460.00
8400S-3Z10C4-SC	3-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 19,340.00	\$	32,233.00
8400S-3Z10C4-MC	3-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 20,470.00	\$	34,116.00
8400S-3Z10C4-MS	3-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 20,766.00	\$	34,610.00
8400S-4T10C4-SC	4-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 24,165.00	\$	40,275.00
8400S-4T10C4-MC	4-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 24,972.00	\$	41,619.00
8400S-4T10C4-MS	4-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 25,267.00	\$	42,112.00
8400S-4Z10C4-SC	4-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 25,085.00	\$	41,809.00
8400S-4Z10C4-MC	4-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 25,892.00	\$	43,153.00
8400S-4Z10C4-MS	4-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 26,187.00	\$	43,646.00
8400S-5T10C4-SC	5-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 29,676.00	\$	49,459.00
8400S-5T10C4-MC	5-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 31,209.00	\$	52,015.00
8400S-5T10C4-MS	5-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 31,801.00	\$	53,002.00
8400S-5Z10C4-SC	5-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 30,826.00	\$	51,376.00
8400S-5Z10C4-MC	5-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 32,359.00	\$	53,932.00
8400S-5Z10C4-MS	5-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 32,951.00	\$	54,918.00
PROGRAMMING				
KPG-47D	Programming Disk (TKR-840/830/740)	\$ 39.00		N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00		N/A
OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.				
KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$	117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$	716.00

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-8500S

Frequency
K: 450-480 MHz
K2: 480-512 MHz

Rack-Mounted UHF Trunking Systems

TKR-8500S Systems include: TKR-850 Repeater(s), continuous-duty RF Amplifier(s), Controller(s), and Power Supplies. Systems are completely assembled, tuned, tested, installed in 7' Racks and shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer		List
UHF 100W TKR-8500S, DISPATCH TRUNKING SYSTEM				
8500S-1T10R7-SC	1-Channel UHF, includes KSG1104000 controller and 7 ft rack	\$ 5,721.00	\$	9,536.00
8500S-1T10R7-MC	1-Channel UHF, includes KSG1104000 controller and 7 ft rack	\$ 6,448.00	\$	10,747.00
8500S-1T10R7-MS	1-Channel UHF, includes KSG1104000 controller and 7 ft rack	\$ 6,744.00	\$	11,241.00
8500S-1Z10R7-SC	1-Channel UHF, includes KSG1204210 controller and 7 ft rack	\$ 5,951.00	\$	9,919.00
8500S-1Z10R7-MC	1-Channel UHF, includes KSG1204210 controller and 7 ft rack	\$ 6,678.00	\$	11,131.00
8500S-1Z10R7-MS	1-Channel UHF, includes KSG1204210 controller and 7 ft rack	\$ 6,974.00	\$	11,624.00
8500S-2T10R7-SC	2-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 10,271.00	\$	17,118.00
8500S-2T10R7-MC	2-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 10,678.00	\$	17,797.00
8500S-2T10R7-MS	2-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 10,974.00	\$	18,290.00
8500S-2Z10R7-SC	2-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 10,731.00	\$	17,885.00
8500S-2Z10R7-MC	2-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 11,138.00	\$	18,564.00
8500S-2Z10R7-MS	2-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 11,434.00	\$	19,057.00
8500S-3T10R7-SC	3-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 14,827.00	\$	24,712.00
8500S-3T10R7-MC	3-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 15,957.00	\$	26,595.00
8500S-3T10R7-MS	3-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 16,253.00	\$	27,089.00
8500S-3Z10R7-SC	3-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 15,517.00	\$	25,862.00
8500S-3Z10R7-MC	3-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 16,647.00	\$	27,745.00
8500S-3Z10R7-MS	3-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 16,943.00	\$	28,239.00
8500S-4T10R7-SC	4-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 19,264.00	\$	32,106.00
8500S-4T10R7-MC	4-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 20,070.00	\$	33,450.00
8500S-4T10R7-MS	4-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 20,366.00	\$	33,943.00
8500S-4Z10R7-SC	4-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 20,184.00	\$	33,640.00
8500S-4Z10R7-MC	4-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 20,990.00	\$	34,984.00
8500S-4Z10R7-MS	4-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 21,286.00	\$	35,477.00
8500S-5T10R7-SC	5-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 23,916.00	\$	39,861.00
8500S-5T10R7-MC	5-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 25,450.00	\$	42,416.00
8500S-5T10R7-MS	5-Channel UHF, includes KSG1104000 controllers and 7 ft rack	\$ 26,042.00	\$	43,403.00
8500S-5Z10R7-SC	5-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 25,066.00	\$	41,777.00
8500S-5Z10R7-MC	5-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 26,600.00	\$	44,333.00
8500S-5Z10R7-MS	5-Channel UHF, includes KSG1204210 controllers and 7 ft rack	\$ 27,192.00	\$	45,320.00
PROGRAMMING				
KPG-66D	Programming Disk (TKR-850/750)	\$ 39.00		N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00		N/A

R7 = KSG-94001-70 7' Equipment Rack

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-8500S**Frequency****K: 450-480 MHz****K2: 480-512 MHz****Cabinet-Mounted UHF Trunking Systems**

TKR-8500S Systems include: TKR-850 Repeater(s), continuous-duty RF Amplifier(s), Controller(s), and Power Supplies. Systems are completely assembled, tuned, tested, installed in locking cabinets and shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
UHF 100W TKR-8500S, DISPATCH TRUNKING SYSTEM			
8500S-1T10C2-SC	1-Channel UHF, includes KSG1104000 controller and 42" cabinet	\$ 6,373.00	\$ 10,621.00
8500S-1T10C2-MC	1-Channel UHF, includes KSG1104000 controller and 42" cabinet	\$ 7,100.00	\$ 11,833.00
8500S-1T10C2-MS	1-Channel UHF, includes KSG1104000 controller and 42" cabinet	\$ 7,396.00	\$ 12,326.00
8500S-1Z10C2-SC	1-Channel UHF, includes KSG1204210 controller and 42" cabinet	\$ 6,603.00	\$ 11,005.00
8500S-1Z10C2-MC	1-Channel UHF, includes KSG1204210 controller and 42" cabinet	\$ 7,330.00	\$ 12,216.00
8500S-1Z10C2-MS	1-Channel UHF, includes KSG1204210 controller and 42" cabinet	\$ 7,626.00	\$ 12,710.00
8500S-2T10C2-SC	2-Channel UHF, includes KSG1104000 controllers and 42" cabinet	\$ 10,922.00	\$ 18,204.00
8500S-2T10C2-MC	2-Channel UHF, includes KSG1104000 controllers and 42" cabinet	\$ 11,330.00	\$ 18,883.00
8500S-2T10C2-MS	2-Channel UHF, includes KSG1104000 controllers and 42" cabinet	\$ 11,625.00	\$ 19,376.00
8500S-2Z10C2-SC	2-Channel UHF, includes KSG1204210 controllers and 42" cabinet	\$ 11,382.00	\$ 18,970.00
8500S-2Z10C2-MC	2-Channel UHF, includes KSG1204210 controllers and 42" cabinet	\$ 11,790.00	\$ 19,649.00
8500S-2Z10C2-MS	2-Channel UHF, includes KSG1204210 controllers and 42" cabinet	\$ 12,085.00	\$ 20,142.00
8500S-3T10C4-SC	3-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 15,773.00	\$ 26,288.00
8500S-3T10C4-MC	3-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 16,903.00	\$ 28,172.00
8500S-3T10C4-MS	3-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 17,199.00	\$ 28,665.00
8500S-3Z10C4-SC	3-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 16,463.00	\$ 27,438.00
8500S-3Z10C4-MC	3-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 17,593.00	\$ 29,322.00
8500S-3Z10C4-MS	3-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 17,889.00	\$ 29,815.00
8500S-4T10C4-SC	4-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 20,353.00	\$ 33,921.00
8500S-4T10C4-MC	4-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 21,159.00	\$ 35,265.00
8500S-4T10C4-MS	4-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 21,455.00	\$ 35,758.00
8500S-4Z10C4-SC	4-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 21,273.00	\$ 35,454.00
8500S-4Z10C4-MC	4-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 22,079.00	\$ 36,798.00
8500S-4Z10C4-MS	4-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 22,375.00	\$ 37,292.00
8500S-5T10C4-SC	5-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 24,862.00	\$ 41,437.00
8500S-5T10C4-MC	5-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 26,396.00	\$ 43,993.00
8500S-5T10C4-MS	5-Channel UHF, includes KSG1104000 controllers and 77" cabinet	\$ 26,988.00	\$ 44,980.00
8500S-5Z10C4-SC	5-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 26,012.00	\$ 43,354.00
8500S-5Z10C4-MC	5-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 27,546.00	\$ 45,910.00
8500S-5Z10C4-MS	5-Channel UHF, includes KSG1204210 controllers and 77" cabinet	\$ 28,138.00	\$ 46,896.00
PROGRAMMING			
KPG-66D	Programming Disk (TKR-850/750)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 70A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-7400S

Frequency
K: 146-162 MHz
K2: 158-174 MHz
K3: 136-150 MHz

Rack-Mounted VHF Trunking Systems

TKR-7400S Systems include: TKR-740 Repeater(s), continuous-duty RF Amplifier(s), Controller(s), and Power Supplies. Systems are completely assembled, tuned, tested, installed in 7' Racks and shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
VHF 110W TKR-7400S, DISPATCH TRUNKING SYSTEM			
7400S-1T10R7-SC	1-Channel VHF, includes KSG1104000 controller and 7 ft. rack	\$ 6,353.00	\$ 10,589.00
7400S-1T10R7-MC	1-Channel VHF, includes KSG1104000 controller and 7 ft. rack	\$ 7,080.00	\$ 11,801.00
7400S-1T10R7-MS	1-Channel VHF, includes KSG1104000 controller and 7 ft. rack	\$ 7,376.00	\$ 12,294.00
7400S-1Z10R7-SC	1-Channel VHF, includes KSG1204210 controller and 7 ft. rack	\$ 6,583.00	\$ 10,972.00
7400S-1Z10R7-MC	1-Channel VHF, includes KSG1204210 controller and 7 ft. rack	\$ 7,310.00	\$ 12,184.00
7400S-1Z10R7-MS	1-Channel VHF, includes KSG1204210 controller and 7 ft. rack	\$ 7,606.00	\$ 12,677.00
7400S-2T10R7-SC	2-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 11,498.00	\$ 19,163.00
7400S-2T10R7-MC	2-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 11,945.00	\$ 19,908.00
7400S-2T10R7-MS	2-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 12,241.00	\$ 20,401.00
7400S-2Z10R7-SC	2-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 11,958.00	\$ 19,930.00
7400S-2Z10R7-MC	2-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 12,405.00	\$ 20,675.00
7400S-2Z10R7-MS	2-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 12,701.00	\$ 21,168.00
7400S-3T10R7-SC	3-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 16,738.00	\$ 27,897.00
7400S-3T10R7-MC	3-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 17,869.00	\$ 29,781.00
7400S-3T10R7-MS	3-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 18,164.00	\$ 30,274.00
7400S-3Z10R7-SC	3-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 17,428.00	\$ 29,047.00
7400S-3Z10R7-MC	3-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 18,559.00	\$ 30,931.00
7400S-3Z10R7-MS	3-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 18,854.00	\$ 31,424.00
7400S-4T10R7-SC	4-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 21,642.00	\$ 36,070.00
7400S-4T10R7-MC	4-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 22,736.00	\$ 37,894.00
7400S-4T10R7-MS	4-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 23,032.00	\$ 38,387.00
7400S-4Z10R7-SC	4-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 22,562.00	\$ 37,604.00
7400S-4Z10R7-MC	4-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 23,656.00	\$ 39,427.00
7400S-4Z10R7-MS	4-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 23,952.00	\$ 39,920.00
7400S-5T10R7-SC	5-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 27,095.00	\$ 45,158.00
7400S-5T10R7-MC	5-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 28,650.00	\$ 47,749.00
7400S-5T10R7-MS	5-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 29,241.00	\$ 48,736.00
7400S-5Z10R7-SC	5-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 28,245.00	\$ 47,075.00
7400S-5Z10R7-MC	5-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 29,800.00	\$ 49,666.00
7400S-5Z10R7-MS	5-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 30,391.00	\$ 50,652.00
PROGRAMMING			
KPG-47D	Programming Disk (TKR-840/830/740)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

R7 = KSG-94001-70 7' Equipment Rack

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-7400S

Frequency
K: 146-162 MHz
K2: 158-174 MHz
K3: 136-150 MHz

Cabinet-Mounted UHF Trunking Systems

TKR-7400S Systems include: TKR-740 Transceiver(s), continuous-duty RF Amplifier(s), Controller(s), and Power Supplies. Systems are completely assembled, tuned, tested, installed in locking cabinets and shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
VHF 110W TKR-7400S, DISPATCH TRUNKING SYSTEM			
7400S-1T10C2-SC	1-Channel VHF, includes KSG1104000 controller and 42" cabinet	\$ 6,993.00	\$ 11,655.00
7400S-1T10C2-MC	1-Channel VHF, includes KSG1104000 controller and 42" cabinet	\$ 7,720.00	\$ 12,866.00
7400S-1T10C2-MS	1-Channel VHF, includes KSG1104000 controller and 42" cabinet	\$ 8,016.00	\$ 13,360.00
7400S-1Z10C2-SC	1-Channel VHF, includes KSG1204210 controller and 42" cabinet	\$ 7,232.00	\$ 12,054.00
7400S-1Z10C2-MC	1-Channel VHF, includes KSG1204210 controller and 42" cabinet	\$ 7,950.00	\$ 13,250.00
7400S-1Z10C2-MS	1-Channel VHF, includes KSG1204210 controller and 42" cabinet	\$ 8,246.00	\$ 13,743.00
7400S-2T10C2-SC	2-Channel VHF, includes KSG1104000 controllers and 42" cabinet	\$ 12,144.00	\$ 20,241.00
7400S-2T10C2-MC	2-Channel VHF, includes KSG1104000 controllers and 42" cabinet	\$ 12,592.00	\$ 20,986.00
7400S-2T10C2-MS	2-Channel VHF, includes KSG1104000 controllers and 42" cabinet	\$ 12,888.00	\$ 21,479.00
7400S-2Z10C2-SC	2-Channel VHF, includes KSG1204210 controllers and 42" cabinet	\$ 12,604.00	\$ 21,007.00
7400S-2Z10C2-MC	2-Channel VHF, includes KSG1204210 controllers and 42" cabinet	\$ 13,052.00	\$ 21,753.00
7400S-2Z10C2-MS	2-Channel VHF, includes KSG1204210 controllers and 42" cabinet	\$ 13,348.00	\$ 22,246.00
7400S-3T10C4-SC	3-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 17,657.00	\$ 29,428.00
7400S-3T10C4-MC	3-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 18,787.00	\$ 31,312.00
7400S-3T10C4-MS	3-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 19,083.00	\$ 31,805.00
7400S-3Z10C4-SC	3-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 18,347.00	\$ 30,578.00
7400S-3Z10C4-MC	3-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 19,477.00	\$ 32,462.00
7400S-3Z10C4-MS	3-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 19,773.00	\$ 32,955.00
7400S-4T10C4-SC	4-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 22,523.00	\$ 37,538.00
7400S-4T10C4-MC	4-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 23,617.00	\$ 39,361.00
7400S-4T10C4-MS	4-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 23,913.00	\$ 39,855.00
7400S-4Z10C4-SC	4-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 23,443.00	\$ 39,071.00
7400S-4Z10C4-MC	4-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 24,537.00	\$ 40,895.00
7400S-4Z10C4-MS	4-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 24,833.00	\$ 41,388.00
7400S-5T10C4-SC	5-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 27,957.00	\$ 46,595.00
7400S-5T10C4-MC	5-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 29,512.00	\$ 49,187.00
7400S-5T10C4-MS	5-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 30,104.00	\$ 50,173.00
7400S-5Z10C4-SC	5-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 29,107.00	\$ 48,512.00
7400S-5Z10C4-MC	5-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 30,662.00	\$ 51,103.00
7400S-5Z10C4-MS	5-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 31,254.00	\$ 52,090.00
PROGRAMMING			
KPG-47D	Programming Disk (TKR-840/830/740)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-7500S

Frequency
K: 146-162 MHz
K2: 136-150 MHz

Rack-Mounted VHF Trunking Systems

TKR-7500S Systems include: TKR-750 Transceiver(s), continuous-duty RF Amplifier(s), Controller(s), and Power Supplies. Systems are completely assembled, tuned, tested, installed in 7' Racks and shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
VHF 100W TKR-7400S, DISPATCH TRUNKING SYSTEM			
7500S-1T10R7-SC	1-Channel VHF, includes KSG1104000 controller and 7 ft. rack	\$ 5,456.00	\$ 9,093.00
7500S-1T10R7-MC	1-Channel VHF, includes KSG1104000 controller and 7 ft. rack	\$ 6,222.00	\$ 10,370.00
7500S-1T10R7-MS	1-Channel VHF, includes KSG1104000 controller and 7 ft. rack	\$ 6,518.00	\$ 10,863.00
7500S-1Z10R7-SC	1-Channel VHF, includes KSG1204210 controller and 7 ft. rack	\$ 5,686.00	\$ 9,476.00
7500S-1Z10R7-MC	1-Channel VHF, includes KSG1204210 controller and 7 ft. rack	\$ 6,452.00	\$ 10,753.00
7500S-1Z10R7-MS	1-Channel VHF, includes KSG1204210 controller and 7 ft. rack	\$ 6,748.00	\$ 11,246.00
7500S-2T10R7-SC	2-Channel VHF, includes KSG1104000 controller and 7 ft. rack	\$ 9,733.00	\$ 16,221.00
7500S-2T10R7-MC	2-Channel VHF, includes KSG1104000 controller and 7 ft. rack	\$ 10,171.00	\$ 16,952.00
7500S-2T10R7-MS	2-Channel VHF, includes KSG1104000 controller and 7 ft. rack	\$ 10,467.00	\$ 17,446.00
7500S-2Z10R7-SC	2-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 10,193.00	\$ 16,988.00
7500S-2Z10R7-MC	2-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 10,631.00	\$ 17,719.00
7500S-2Z10R7-MS	2-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 10,927.00	\$ 18,212.00
7500S-3T10R7-SC	3-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 14,019.00	\$ 23,366.00
7500S-3T10R7-MC	3-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 15,278.00	\$ 25,463.00
7500S-3T10R7-MS	3-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 15,574.00	\$ 25,956.00
7500S-3Z10R7-SC	3-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 14,709.00	\$ 24,516.00
7500S-3Z10R7-MC	3-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 15,968.00	\$ 26,613.00
7500S-3Z10R7-MS	3-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 16,264.00	\$ 27,106.00
7500S-4T10R7-SC	4-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 18,330.00	\$ 30,550.00
7500S-4T10R7-MC	4-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 19,313.00	\$ 32,188.00
7500S-4T10R7-MS	4-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 19,603.00	\$ 32,671.00
7500S-4Z10R7-SC	4-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 19,250.00	\$ 32,083.00
7500S-4Z10R7-MC	4-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 20,233.00	\$ 33,722.00
7500S-4Z10R7-MS	4-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 20,523.00	\$ 34,205.00
7500S-5T10R7-SC	5-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 22,571.00	\$ 37,618.00
7500S-5T10R7-MC	5-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 24,317.00	\$ 40,529.00
7500S-5T10R7-MS	5-Channel VHF, includes KSG1104000 controllers and 7 ft. rack	\$ 24,909.00	\$ 41,515.00
7500S-5Z10R7-SC	5-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 23,721.00	\$ 39,534.00
7500S-5Z10R7-MC	5-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 25,467.00	\$ 42,445.00
7500S-5Z10R7-MS	5-Channel VHF, includes KSG1204210 controllers and 7 ft. rack	\$ 26,059.00	\$ 43,432.00
PROGRAMMING			
KPG-66D	Programming Disk (TKR-850/750)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

R7 = KSG-94001-70 7' Equipment Rack

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-7500S

Frequency
K: 146-174 MHz
K2: 136-150 MHz

Cabinet-Mounted VHF Trunking Systems

TKR-7500S Systems include: TKR-750 Transceiver(s), continuous-duty RF Amplifier(s), Controller(s), and Power Supplies. Systems are completely assembled, tuned, tested, installed in locking cabinets and shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
VHF 100W TKR-7400S, DISPATCH TRUNKING SYSTEM			
7500S-1T10C2-SC	1-Channel VHF, includes KSG1104000 controllers and 42" cabinet	\$ 6,095.00	\$ 10,158.00
7500S-1T10C2-MC	1-Channel VHF, includes KSG1104000 controllers and 42" cabinet	\$ 6,861.00	\$ 11,436.00
7500S-1T10C2-MS	1-Channel VHF, includes KSG1104000 controllers and 42" cabinet	\$ 7,157.00	\$ 11,929.00
7500S-1Z10C2-SC	1-Channel VHF, includes KSG1204210 controllers and 42" cabinet	\$ 6,325.00	\$ 10,542.00
7500S-1Z10C2-MC	1-Channel VHF, includes KSG1204210 controllers and 42" cabinet	\$ 7,091.00	\$ 11,819.00
7500S-1Z10C2-MS	1-Channel VHF, includes KSG1204210 controllers and 42" cabinet	\$ 7,387.00	\$ 12,312.00
7500S-2T10C2-SC	2-Channel VHF, includes KSG1104000 controllers and 42" cabinet	\$ 10,379.00	\$ 17,299.00
7500S-2T10C2-MC	2-Channel VHF, includes KSG1104000 controllers and 42" cabinet	\$ 10,818.00	\$ 18,030.00
7500S-2T10C2-MS	2-Channel VHF, includes KSG1104000 controllers and 42" cabinet	\$ 11,114.00	\$ 18,523.00
7500S-2Z10C2-SC	2-Channel VHF, includes KSG1204210 controllers and 42" cabinet	\$ 10,839.00	\$ 18,065.00
7500S-2Z10C2-MC	2-Channel VHF, includes KSG1204210 controllers and 42" cabinet	\$ 11,278.00	\$ 18,797.00
7500S-2Z10C2-MS	2-Channel VHF, includes KSG1204210 controllers and 42" cabinet	\$ 11,574.00	\$ 19,290.00
7500S-3T10C4-SC	3-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 14,938.00	\$ 24,897.00
7500S-3T10C4-MC	3-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 16,196.00	\$ 26,994.00
7500S-3T10C4-MS	3-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 16,492.00	\$ 27,487.00
7500S-3Z10C4-SC	3-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 15,628.00	\$ 26,047.00
7500S-3Z10C4-MC	3-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 16,886.00	\$ 28,144.00
7500S-3Z10C4-MS	3-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 17,182.00	\$ 28,637.00
7500S-4T10C4-SC	4-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 19,211.00	\$ 32,018.00
7500S-4T10C4-MC	4-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 20,188.00	\$ 33,646.00
7500S-4T10C4-MS	4-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 20,484.00	\$ 34,139.00
7500S-4Z10C4-SC	4-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 20,131.00	\$ 33,551.00
7500S-4Z10C4-MC	4-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 21,108.00	\$ 35,179.00
7500S-4Z10C4-MS	4-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 21,404.00	\$ 35,673.00
7500S-5T10C4-SC	5-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 23,433.00	\$ 39,055.00
7500S-5T10C4-MC	5-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 25,180.00	\$ 41,966.00
7500S-5T10C4-MS	5-Channel VHF, includes KSG1104000 controllers and 77" cabinet	\$ 25,771.00	\$ 42,952.00
7500S-5Z10C4-SC	5-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 24,583.00	\$ 40,972.00
7500S-5Z10C4-MC	5-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 26,330.00	\$ 43,883.00
7500S-5Z10C4-MS	5-Channel VHF, includes KSG1204210 controllers and 77" cabinet	\$ 26,921.00	\$ 44,869.00
PROGRAMMING			
KPG-66D	Programming Disk (TKR-850/750)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A
OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.			
KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 70A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

800/900 MHz Conventional Repeaters

TKR-9300S/9301S Systems include: TKR-900/901 Repeater, continuous-duty RF Amplifiers KSG-12038 Tone Repeater Panel, and Power Supply completely assembled, tuned, tested and installed in either a 7' rack or locking cabinet. Systems are shipped in special heavy duty shock absorbing crates.

TKR-9300S (800 MHz)

TKR-9300S 800 MHz Conventional Systems include: a Kenwood TKR-900 TX-RX Unit. The TKR-900 unit operates on FCC channel assignments 001-600, RX: 806.0125 - 820.9875, TX: 851.0125 - 865.9875, +/- 5kHz Modulation, 0.00015% Freq. Stability.
FOR NPSPAC PRICING, PLEASE CONTACT KENWOOD SYSTEMS, INC.

Model	Description	Dealer	List
800 MHz, 80W, CONVENTIONAL REPEATER SYSTEM			
R9300S-1C80R7SC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 7 ft rack	\$ 4,868.00	\$ 8,113.00
R9300S-1C80R7MC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 7 ft rack	\$ 5,481.00	\$ 9,135.00
R9300S-1C80R7MS	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 7 ft rack	\$ 5,717.00	\$ 9,529.00
R9300S-1C80C2SC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 42" cabinet	\$ 5,210.00	\$ 8,684.00
R9300S-1C80C2MC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 42" cabinet	\$ 6,008.00	\$ 10,013.00
R9300S-1C80C2MS	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 42" cabinet	\$ 6,244.00	\$ 10,407.00
R9300S-1C80C4SC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 77" cabinet	\$ 5,446.00	\$ 9,077.00
R9300S-1C80C4MC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 77" cabinet	\$ 6,274.00	\$ 10,456.00
R9300S-1C80C4MS	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 77" cabinet	\$ 6,510.00	\$ 10,851.00
800 MHz, 130W, CONVENTIONAL REPEATER SYSTEM			
R9300S-1C13R7SC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 7 ft rack	\$ 7,808.00	\$ 13,013.00
R9300S-1C13R7MC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 7 ft rack	\$ 8,421.00	\$ 14,035.00
R9300S-1C13R7MS	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 7 ft rack	\$ 8,658.00	\$ 14,430.00
R9300S-1C13C2SC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 42" cabinet	\$ 8,151.00	\$ 13,584.00
R9300S-1C13C2MC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 42" cabinet	\$ 8,948.00	\$ 14,914.00
R9300S-1C13C2MS	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 42" cabinet	\$ 9,185.00	\$ 15,308.00
R9300S-1C13C4SC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 77" cabinet	\$ 8,386.00	\$ 13,977.00
R9300S-1C13C4MC	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 77" cabinet	\$ 9,214.00	\$ 15,357.00
R9300S-1C13C4MS	1-channel 800 MHz conv repeater, includes KSG1203810 controller with 77" cabinet	\$ 9,451.00	\$ 15,751.00
DUPLEXER			
KSG-TTPD-8644	800-960 MHz Bandpass-Band Reject Duplexer, 4"/4-Cavity.	\$ 974.00	\$ 1,625.00
OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.			
KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

800/900 MHz Conventional Repeaters

TKR-9300S/9301S Systems include: TKR-900/901 Repeater, continuous-duty RF Amplifiers KSG-12038 Tone Repeater Panel, Power Supply and are completely assembled, tuned, tested and installed in either a 7' rack or locking cabinet. Systems are shipped in special heavy duty shock absorbing crates.

TKR-9301S (900 MHz)

TKR-9301S 900 MHz Trunking Systems include: Kenwood TKR-901 TX-RX Unit(s). The TKR-901 units operate on FCC channel assignments 001~399, RX: 896.0125 - 900.9875, TX: 935.0125 - 939.9875, 0.00001% Freq. Stability.

Model	Description	Dealer	List
900 MHz, 130W, CONVENTIONAL REPEATER SYSTEM			
R9301S-1C13R7SC	1-channel 900 MHz conv repeater, includes KSG1203810 controller with 7 ft rack	\$ 8,136.00	\$ 13,560.00
R9301S-1C13R7MC	1-channel 900 MHz conv repeater, includes KSG1203810 controller with 7 ft rack	\$ 8,749.00	\$ 14,582.00
R9301S-1C13R7MS	1-channel 900 MHz conv repeater, includes KSG1203810 controller with 7 ft rack	\$ 8,986.00	\$ 14,976.00
R9301S-1C13C2SC	1-channel 900 MHz conv repeater, includes KSG1203810 controller with 42" cabinet	\$ 8,479.00	\$ 14,131.00
R9301S-1C13C2MC	1-channel 900 MHz conv repeater, includes KSG1203810 controller with 42" cabinet	\$ 9,276.00	\$ 15,460.00
R9301S-1C13C2MS	1-channel 900 MHz conv repeater, includes KSG1203810 controller with 42" cabinet	\$ 9,513.00	\$ 15,855.00
R9301S-1C13C4SC	1-channel 900 MHz conv repeater, includes KSG1203810 controller with 77" cabinet	\$ 8,714.00	\$ 14,524.00
R9301S-1C13C4MC	1-channel 900 MHz conv repeater, includes KSG1203810 controller with 77" cabinet	\$ 9,542.00	\$ 15,903.00
R9301S-1C13C4MS	1-channel 900 MHz conv repeater, includes KSG1203810 controller with 77" cabinet	\$ 9,779.00	\$ 16,298.00
DUPLEXER			
KSG-TTPD-8644	800-960 MHz Bandpass-Band Reject Duplexer, 4"/4-Cavity.	\$ 994.00	\$ 1,419.00

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-8400S UHF Conventional Repeaters

Frequency
K: 450-480 MHz
K2: 480-512 MHz
K3: 400-430 MHz

TKR-8400S Conventional Systems include: a TKR-840 Repeater, continuous-duty RF Amplifier, built-in 16 Tone QT & DQT and CW ID, Power Supply and are completely assembled, tuned, tested and installed in a locking equipment cabinet or open equipment rack. Systems are shipped in special heavy-duty, shock absorbing crates.

(Duplexer is not included)

Model	Description	Dealer	List
UHF 100W, CONVENTIONAL REPEATER SYSTEM			
R8400S-1C10R7SC	1-channel UHF conv repeater with 7 ft rack	\$ 4,133.00	\$ 6,888.00
R8400S-1C10R7MC	1-channel UHF conv repeater with 7 ft rack	\$ 4,746.00	\$ 7,909.00
R8400S-1C10R7MS	1-channel UHF conv repeater with 7 ft rack	\$ 4,982.00	\$ 8,304.00
R8400S-1C10C2SC	1-channel UHF conv repeater with 42" cabinet	\$ 4,465.00	\$ 7,441.00
R8400S-1C10C2MC	1-channel UHF conv repeater with 42" cabinet	\$ 5,081.00	\$ 8,468.00
R8400S-1C10C2MS	1-channel UHF conv repeater with 42" cabinet	\$ 5,318.00	\$ 8,863.00
R8400S-1C10C4SC	1-channel UHF conv repeater with 77" cabinet	\$ 4,704.00	\$ 7,840.00
R8400S-1C10C4MC	1-channel UHF conv repeater with 77" cabinet	\$ 5,317.00	\$ 8,861.00
R8400S-1C10C4MS	1-channel UHF conv repeater with 77" cabinet	\$ 5,554.00	\$ 9,256.00
DUPLEXER			
KSG-TPRD-4546	400-512 MHz Pass-Reject Base Station Duplexer, 4"/6-Cavity, 5 MHz Min.	\$ 1,321.00	\$ 1,887.00
PROGRAMMING			
KPG-47D	Programming Disk (TKR-840/830/740)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A
OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.			
KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-8500S UHF Conventional Repeaters

Frequency
K: 450-480 MHz
K2: 480-512 MHz

TKR-8500S Conventional Systems include: a TKR-850 Repeater, continuous-duty RF Amplifier, built-in 16 Tone QT & DQT and CW ID, Power Supply and are completely assembled, tuned, tested and installed in a locking equipment cabinet or open equipment rack. Systems are shipped in special heavy-duty, shock absorbing crates.

(Duplexer is not included)

Model	Description	Dealer	List
UHF 100W, CONVENTIONAL REPEATER SYSTEM			
R8500S-1C10R7SC	1-channel UHF conv repeater with 7 ft rack	\$ 3,277.00	\$ 5,461.00
R8500S-1C10R7MC	1-channel UHF conv repeater with 7 ft rack	\$ 3,890.00	\$ 6,483.00
R8500S-1C10R7MS	1-channel UHF conv repeater with 7 ft rack	\$ 4,126.00	\$ 6,877.00
R8500S-1C10C2SC	1-channel UHF conv repeater with 42" cabinet	\$ 3,799.00	\$ 6,332.00
R8500S-1C10C2MC	1-channel UHF conv repeater with 42" cabinet	\$ 4,412.00	\$ 7,353.00
R8500S-1C10C2MS	1-channel UHF conv repeater with 42" cabinet	\$ 4,649.00	\$ 7,748.00
R8500S-1C10C4SC	1-channel UHF conv repeater with 77" cabinet	\$ 4,065.00	\$ 6,775.00
R8500S-1C10C4MC	1-channel UHF conv repeater with 77" cabinet	\$ 4,678.00	\$ 7,796.00
R8500S-1C10C4MS	1-channel UHF conv repeater with 77" cabinet	\$ 4,915.00	\$ 8,191.00
DUPLEXER			
KSG-TPRD-4546	400-512 MHz Pass-Reject Base Station Duplexer, 4"/6-Cavity, 5 MHz Min.	\$ 1,321.00	\$ 1,887.00
PROGRAMMING			
KPG-66D	Programming Disk (TKR-850/750)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-7400S VHF Conventional Repeater

Frequency
K: 146-162 MHz
K2: 158-174 MHz
K3: 136-150 MHz

TKR-7400S System includes: a TKR-740 Repeater, Continuous-duty RF Amplifier, Built-in 16 Tone QT & DQT and CW ID, Power Supply and are completely assembled, tuned, tested and installed in either 7' rack or locking equipment cabinet. Systems are shipped in special heavy duty shock absorbing crates.
 (Duplexer no included)

Model	Description	Dealer	List
VHF 110W, CONVENTIONAL REPEATER SYSTEMS			
R7400S-1C10R7SC	1-channel VHF conv repeater with 7 ft rack	\$ 3,879.00	\$ 6,465.00
R7400S-1C10R7MC	1-channel VHF conv repeater with 7 ft rack	\$ 4,492.00	\$ 7,487.00
R7400S-1C10R7MS	1-channel VHF conv repeater with 7 ft rack	\$ 4,729.00	\$ 7,881.00
R7400S-1C10C2SC	1-channel VHF conv repeater with 42" cabinet	\$ 4,406.00	\$ 7,343.00
R7400S-1C10C2MC	1-channel VHF conv repeater with 42" cabinet	\$ 5,019.00	\$ 8,365.00
R7400S-1C10C2MS	1-channel VHF conv repeater with 42" cabinet	\$ 5,256.00	\$ 8,760.00
R7400S-1C10C4SC	1-channel VHF conv repeater with 77" cabinet	\$ 4,672.00	\$ 7,787.00
R7400S-1C10C4MC	1-channel VHF conv repeater with 77" cabinet	\$ 5,285.00	\$ 8,808.00
R7400S-1C10C4MS	1-channel VHF conv repeater with 77" cabinet	\$ 5,522.00	\$ 9,203.00
DUPLEXER			
KSG-TPRD-1556	150-174 MHz Pass-Reject Base Station Duplexer, 5"/6-Cavity, 400 KHz Min.	\$ 1,321.00	\$ 1,887.00
PROGRAMMING			
KPG-47D	Programming Disk (TKR-840/830/740)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKR-7500S VHF Conventional Repeater

Frequency
K: 146-174 MHz
K2: 136-150 MHz

TKR-7500S System includes: a TKR-750 Repeater, Continuous-duty RF Amplifier, Built-in 16 Tone QT & DQT and CW ID, Power Supply and are completely assembled, tuned, tested and installed in either 7' rack or locking equipment cabinet. Systems are shipped in special heavy duty shock absorbing crates. (Duplexer not included)

Model	Description	Dealer	List
VHF 100W, CONVENTIONAL REPEATER SYSTEMS			
R7500S-1C10R7SC	1-channel VHF conv repeater with 7 ft rack	\$ 3,195.00	\$ 5,326.00
R7500S-1C10R7MC	1-channel VHF conv repeater with 7 ft rack	\$ 3,808.00	\$ 6,347.00
R7500S-1C10R7MS	1-channel VHF conv repeater with 7 ft rack	\$ 4,045.00	\$ 6,742.00
R7500S-1C10C2SC	1-channel VHF conv repeater with 42" cabinet	\$ 3,722.00	\$ 6,204.00
R7500S-1C10C2MC	1-channel VHF conv repeater with 42" cabinet	\$ 4,335.00	\$ 7,226.00
R7500S-1C10C2MS	1-channel VHF conv repeater with 42" cabinet	\$ 4,572.00	\$ 7,620.00
R7500S-1C10C4SC	1-channel VHF conv repeater with 77" cabinet	\$ 3,988.00	\$ 6,647.00
R7500S-1C10C4MC	1-channel VHF conv repeater with 77" cabinet	\$ 4,601.00	\$ 7,669.00
R7500S-1C10C4MS	1-channel VHF conv repeater with 77" cabinet	\$ 4,838.00	\$ 8,064.00
DUPLEXER			
KSG-TPRD-1556	150-174 MHz Pass-Reject Base Station Duplexer, 5"/6-Cavity, 400 KHz Min.	\$ 1,321.00	\$ 1,887.00
PROGRAMMING			
KPG-66D	Programming Disk (TKR-850/750)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A
OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.			
KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKB-6900S Low Band Conventional Base Stations**Frequency****K: 29.7-37.0 MHz****K2: 35.0-43.0 MHz****K3: 41.0-50.0 MHz**

Systems include a TK-690 Transceiver, 100W continuous-duty RF Amplifier, QT & DQT, 2-Wire Tone Termination Unit, Power Supply and are completely assembled, tuned, tested, and installed in either 7' Rack or locking equipment cabinet. Systems are shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
LOW BAND 100W, SINGLE-CHANNEL CONVENTIONAL BASE STATIONS			
B6900S-1C10R7SC	Single channel low band base station with 7 ft rack	\$ 4,123.00	\$ 6,872.00
B6900S-1C10R7MC	Single channel low band base station with 7 ft rack	\$ 4,738.00	\$ 7,896.00
B6900S-1C10R7MS	Single channel low band base station with 7 ft rack	\$ 4,975.00	\$ 8,291.00
B6900S-1C10C2SC	Single channel low band base station with 42" cabinet	\$ 4,644.00	\$ 7,741.00
B6900S-1C10C2MC	Single channel low band base station with 42" cabinet	\$ 5,259.00	\$ 8,765.00
B6900S-1C10C2MS	Single channel low band base station with 42" cabinet	\$ 5,496.00	\$ 9,159.00
B6900S-1C10C4SC	Single channel low band base station with 77" cabinet	\$ 4,874.00	\$ 8,124.00
B6900S-1C10C4MC	Single channel low band base station with 77" cabinet	\$ 5,489.00	\$ 9,148.00
B6900S-1C10C4MS	Single channel low band base station with 77" cabinet	\$ 5,726.00	\$ 9,543.00

*Additional wireline control options are available. Please refer to the "Tone and DC Wireline Control Options" section of your price pages for selections and pricing instructions.

PROGRAMMING

KPG-44D	Programming Disk (TK-X90 series)	\$ 39.00	N/A
KPG-43	Programming Interface Cable (TK-X90 series)	\$ 65.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKB-7400S VHF Conventional Base Stations

Frequency
K: 146-162 MHz
K2: 158-174 MHz
K3: 136-150 MHz

Systems include a TKR-740 transceiver, Continuous-duty RF Amplifier, QT & DQT, 2-Wire Tone Termination Unit, Power Supply and are completely assembled, tuned, tested, and installed in either 7' Rack or locking equipment cabinet. Systems are shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
VHF 110W, SINGLE-CHANNEL CONVENTIONAL BASE STATIONS			
B7400S-1C10R7SC	Single channel VHF base station with 7 ft rack	\$ 4,741.00	\$ 7,902.00
B7400S-1C10R7MC	Single channel VHF base station with 7 ft rack	\$ 5,354.00	\$ 8,923.00
B7400S-1C10R7MS	Single channel VHF base station with 7 ft rack	\$ 5,630.00	\$ 9,383.00
B7400S-1C10C2SC	Single channel VHF base station with 42" cabinet	\$ 5,268.00	\$ 8,780.00
B7400S-1C10C2MC	Single channel VHF base station with 42" cabinet	\$ 5,881.00	\$ 9,802.00
B7400S-1C10C2MS	Single channel VHF base station with 42" cabinet	\$ 6,118.00	\$ 10,196.00
B7400S-1C10C4SC	Single channel VHF base station with 77" cabinet	\$ 5,525.00	\$ 9,208.00
B7400S-1C10C4MC	Single channel VHF base station with 77" cabinet	\$ 6,138.00	\$ 10,230.00
B7400S-1C10C4MS	Single channel VHF base station with 77" cabinet	\$ 6,375.00	\$ 10,625.00

*Additional wireline control options are available. Please refer to the "Tone and DC Wireline Control Options" section of your price pages for selections and pricing instructions.

PROGRAMMING

KPG-47D	Programming Disk (TKR-840/830/740)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKB-7500S VHF Conventional Base Stations

Frequency
K: 146-174 MHz
K2: 136-150 MHz

Systems include a TKR-750 Transceiver, Continuous-duty RF Amplifier, QT & DQT, 2-Wire Tone Termination Unit, Power Supply and are completely assembled, tuned, tested, and installed in either 7' Rack or locking equipment cabinet. Systems are shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
VHF 100W, SINGLE-CHANNEL CONVENTIONAL BASE STATIONS			
B7500S-1C10R7SC	Single channel VHF base station with 7 ft rack	\$ 4,072.00	\$ 6,786.00
B7500S-1C10R7MC	Single channel VHF base station with 7 ft rack	\$ 4,685.00	\$ 7,808.00
B7500S-1C10R7MS	Single channel VHF base station with 7 ft rack	\$ 4,921.00	\$ 8,202.00
B7500S-1C10C2SC	Single channel VHF base station with 42" cabinet	\$ 4,563.00	\$ 7,604.00
B7500S-1C10C2MC	Single channel VHF base station with 42" cabinet	\$ 5,176.00	\$ 8,626.00
B7500S-1C10C2MS	Single channel VHF base station with 42" cabinet	\$ 5,412.00	\$ 9,021.00
B7500S-1C10C4SC	Single channel VHF base station with 77" cabinet	\$ 4,829.00	\$ 8,048.00
B7500S-1C10C4MC	Single channel VHF base station with 77" cabinet	\$ 5,442.00	\$ 9,069.00
B7500S-1C10C4MS	Single channel VHF base station with 77" cabinet	\$ 5,678.00	\$ 9,464.00

*Additional wireline control options are available. Please refer to the "Tone and DC Wireline Control Options" section of your price pages for selections and pricing instructions.

PROGRAMMING

KPG-66D	Programming Disk (TKR-850/750)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKB-7900S VHF Conventional Base Stations

Frequency
K: 148-174 MHz

Systems include a TK-790 transceiver, Continuous-duty RF Amplifier, QT & DQT, 2-Wire Tone Termination Unit, Power Supply and are completely assembled, tuned, tested, and installed in either 7' Rack or locking equipment cabinet. Systems are shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
VHF 100W, SINGLE-CHANNEL CONVENTIONAL BASE STATIONS			
B7900S-1C10R7SC	Single channel VHF base station with 7 ft rack	\$ 3,790.00	\$ 6,317.00
B7900S-1C10R7MC	Single channel VHF base station with 7 ft rack	\$ 4,403.00	\$ 7,338.00
B7900S-1C10R7MS	Single channel VHF base station with 7 ft rack	\$ 4,639.00	\$ 7,732.00
B7900S-1C10C2SC	Single channel VHF base station with 42" cabinet	\$ 4,313.00	\$ 7,188.00
B7900S-1C10C2MC	Single channel VHF base station with 42" cabinet	\$ 4,925.00	\$ 8,208.00
B7900S-1C10C2MS	Single channel VHF base station with 42" cabinet	\$ 5,162.00	\$ 8,603.00
B7900S-1C10C4SC	Single channel VHF base station with 77" cabinet	\$ 4,578.00	\$ 7,631.00
B7900S-1C10C4MC	Single channel VHF base station with 77" cabinet	\$ 5,191.00	\$ 8,651.00
B7900S-1C10C4MS	Single channel VHF base station with 77" cabinet	\$ 5,427.00	\$ 9,046.00

*Additional wireline control options are available. Please refer to the "Tone and DC Wireline Control Options" section of your price pages for selections and pricing instructions.

PROGRAMMING

KPG-44D	Programming Disk (TK-890/790/690)	\$ 39.00	N/A
KPG-43	Programming Interface Cable (TK-890/790/690)	\$ 65.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKB-8400S UHF Conventional Base Stations

Frequency
K: 450-480 MHz
K2: 480-512 MHz
K3: 400-430 MHz

Systems include a TKR-840 transceiver, Continuous-duty RF Amplifier, QT & DQT, 2-Wire Tone Termination Unit, Power Supply and are completely assembled, tuned, tested, and installed in either 7" Rack or locking equipment cabinet. Systems are shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
UHF 100W, SINGLE-CHANNEL CONVENTIONAL BASE STATIONS			
B8400S-1C10R7SC	Single channel UHF base station with 7 ft rack	\$ 4,973.00	\$ 8,289.00
B8400S-1C10R7MC	Single channel UHF base station with 7 ft rack	\$ 5,586.00	\$ 9,310.00
B8400S-1C10R7MS	Single channel UHF base station with 7 ft rack	\$ 5,823.00	\$ 9,705.00
B8400S-1C10C2SC	Single channel UHF base station with 42" cabinet	\$ 5,500.00	\$ 9,167.00
B8400S-1C10C2MC	Single channel UHF base station with 42" cabinet	\$ 6,113.00	\$ 10,188.00
B8400S-1C10C2MS	Single channel UHF base station with 42" cabinet	\$ 6,350.00	\$ 10,583.00
B8400S-1C10C4SC	Single channel UHF base station with 77" cabinet	\$ 5,766.00	\$ 9,610.00
B8400S-1C10C4MC	Single channel UHF base station with 77" cabinet	\$ 6,379.00	\$ 10,632.00
B8400S-1C10C4MS	Single channel UHF base station with 77" cabinet	\$ 6,616.00	\$ 11,026.00

*Additional wireline control options are available. Please refer to the "Tone and DC Wireline Control Options" section of your price pages for selections and pricing instructions.

PROGRAMMING

KPG-47D	Programming Disk (TKR-840/830/740)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7" Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKB-8500S UHF Conventional Base Stations

Frequency
K: 450-480 MHz
K2: 480-512 MHz

Systems include a TKR-850 Transceiver, Continuous-duty RF Amplifier, QT & DQT, 2-Wire Tone Termination Unit, Power Supply and are completely assembled, tuned, tested, and installed in either 7' Rack or locking equipment cabinet. Systems are shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
UHF 100W, SINGLE-CHANNEL CONVENTIONAL BASE STATIONS			
B8500S-1C10R7SC	Single channel UHF base station with 7 ft rack	\$ 4,214.00	\$ 7,023.00
B8500S-1C10R7MC	Single channel UHF base station with 7 ft rack	\$ 4,827.00	\$ 8,044.00
B8500S-1C10R7MS	Single channel UHF base station with 7 ft rack	\$ 5,063.00	\$ 8,439.00
B8500S-1C10C2SC	Single channel UHF base station with 42" cabinet	\$ 4,741.00	\$ 7,901.00
B8500S-1C10C2MC	Single channel UHF base station with 42" cabinet	\$ 5,354.00	\$ 8,923.00
B8500S-1C10C2MS	Single channel UHF base station with 42" cabinet	\$ 5,590.00	\$ 9,317.00
B8500S-1C10C4SC	Single channel UHF base station with 77" cabinet	\$ 5,007.00	\$ 8,344.00
B8500S-1C10C4MC	Single channel UHF base station with 77" cabinet	\$ 5,620.00	\$ 9,366.00
B8500S-1C10C4MS	Single channel UHF base station with 77" cabinet	\$ 5,856.00	\$ 9,760.00

*Additional wireline control options are available. Please refer to the "Tone and DC Wireline Control Options" section of your price pages for selections and pricing instructions.

PROGRAMMING

KPG-66D	Programming Disk (TKR-850/750)	\$ 39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

TKB-8900S UHF Conventional Base Stations

Frequency
K: 450-490 MHz
K2: 480-512 MHz
K3: 403-430 MHz

Systems include a TK-890 transceiver, Continuous-duty RF Amplifier, QT & DQT, 2-Wire Tone Termination Unit, Power Supply and are completely assembled, tuned, tested, and installed in either 7' Rack or locking equipment cabinet. Systems are shipped in special heavy duty shock absorbing crates.

Model	Description	Dealer	List
UHF 100W, SINGLE-CHANNEL CONVENTIONAL BASE STATIONS			
B8900S-1C10R7SC	Single channel UHF base station with 7 ft rack	\$ 3,995.00	\$ 6,658.00
B8900S-1C10R7MC	Single channel UHF base station with 7 ft rack	\$ 4,607.00	\$ 7,678.00
B8900S-1C10R7MS	Single channel UHF base station with 7 ft rack	\$ 4,844.00	\$ 8,073.00
B8900S-1C10C2SC	Single channel UHF base station with 42" cabinet	\$ 4,752.00	\$ 7,920.00
B8900S-1C10C2MC	Single channel UHF base station with 42" cabinet	\$ 5,134.00	\$ 8,557.00
B8900S-1C10C2MS	Single channel UHF base station with 42" cabinet	\$ 5,371.00	\$ 8,951.00
B8900S-1C10C4SC	Single channel UHF base station with 77" cabinet	\$ 4,788.00	\$ 7,979.00
B8900S-1C10C4MC	Single channel UHF base station with 77" cabinet	\$ 5,400.00	\$ 9,000.00
B8900S-1C10C4MS	Single channel UHF base station with 77" cabinet	\$ 5,637.00	\$ 9,394.00

*Additional wireline control options are available. Please refer to the "Tone and DC Wireline Control Options" section of your price pages for selections and pricing instructions.

PROGRAMMING

KPG-44D	Programming Disk (TK-890/790/690)	\$ 39.00	N/A
KPG-43	Programming Interface Cable (TK-890/790/690)	\$ 65.00	N/A

OPTION: Cabinets include standard vented top lid. Solid top and Fan top are available as options.

KSG-4000PN17	Solid Lid Top (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Lid Top with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00

R7 = KSG-94001-70 7' Equipment Rack

C2 = KSG-4002020 42" Locking Equipment Cabinet

C4 = KSG-4004040 77" Locking Equipment Cabinet

SC = single channel 20A power supply (1 per channel) MC = multi channel 70A power supply (1 per 2 channels)

MC = multi channel 70A power supply (1 per 2 channels)

MS = multi channel 70A power supply with smart charger option (1 per 2 channels)

UHF Economical Communications Systems (ECS)

CONVENTIONAL

Frequency
K: 450-480 MHz
K2: 480-512 MHz

TKR-8500ECSC Economical Communications System - Conventional - Includes a 25 watt continuous duty rated (40 watt intermittent) TKR-850 Repeater, built-in 16 Tone QT & DQT and CW ID, Power Supply and are completely assembled, tuned, tested, installed in a special equipment cabinet and includes a full-sized six cavity duplexer and blank panels.

Model	Description	Dealer		List
TKR-8500ECSC	1-channel UHF ECS conventional repeater in special enclosure	\$	3,770.00	\$ 6,282.00
PROGRAMMING				
KPG-66D	Programming Disk (TKR-850/750)	\$	39.00	N/A
KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$	109.00	N/A

TRUNKED

Frequency
K: 450-480 MHz
K2: 480-512 MHz

TKR-8500ECST Economical Communications Systems - Trunked - includes three TKR-850 Repeaters, Controllers, and Power Supplies. Systems are completely assembled, tuned, tested, installed in 7' Racks and shipped in special heavy duty shock absorbing crates.

TKR-8500ECST	3-Channel UHF ECS includes KSG1104000 controllers and 7' equipment rack	\$	9,905.00	\$ 16,508.00
PROGRAMMING				
KPG-66D	Programming Disk (TKR-750/850)	\$	39.00	NA
KPG-46	Programming Interface Cable (TKR-850/750)	\$	109.00	NA

ECS systems are sold only as described and the configuration cannot be modified. Please call your sales manager for additional information.

Some Integration Required Systems (S.I.R.)**UHF S.I.R.**

Frequency
K: 450-480 MHz
K2: 480-512 MHz
K3: 400-430 MHz

The SIR systems are for those systems capable dealers who want the quality and reliability that Kenwood has always offered but prefer to construct and tune their own systems. SIR systems come complete with all the necessary interface cables, wire, fuses, connectors and terminals. A CD ROM is included that contains programming software and service manuals.

Model	Description	Dealer	List
SIR840T	Includes one (1) TKR-840 repeater, KSG-1104000 controller, KSG-2400601 100-watt amp, and KSG-3102500 power supply.	\$ 4,123.00	\$ 6,872.00
SIR840TXA	Includes one (1) TKR-840 repeater, KSG-1104000 controller, and KSG-3102500 power supply. NO AMP	\$ 2,897.00	\$ 4,828.00
SIR840TXR	Includes one (1) KSG-1104000 controller, KSG-2400601 100-watt amp, and KSG-3102500 power supply. NO REPEATER	\$ 2,256.00	\$ 3,760.00
SIR840TXC	Includes one (1) TKR-840 repeater, KSG-2400601 100-watt amp, and KSG-3102500 power supply. NO CONTROLLER	\$ 3,367.00	\$ 5,612.00
SIR840TXP	Includes one (1) TKR-840 repeater, KSG-1104000 controller, KSG-2400601 100-watt amp. NO POWER SUPPLY	\$ 3,847.00	\$ 6,412.00

RACKS AND CABINETS SOLD SEPARATELY

PROGRAMMING

KPG-46	Programming Interface Cable (TKR-840/740/850/750)	\$ 109.00	N/A
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VHF S.I.R.

Frequency
K: 150-174 MHz
K2: 136-150 MHz

SIR740T	Includes one (1) TKR-740 repeater, KSG-1104000 controller, KSG-2400740 110-watt amp, and KSG-3102500 power supply.	\$ 3,864.00	\$ 6,440.00
SIR740TXA	Includes one (1) TKR-740 repeater, KSG-1104000 controller, and KSG-3102500 power supply. NO AMP	\$ 2,840.00	\$ 4,733.00
SIR740TXR	Includes one (1) KSG-1104000 controller, KSG-2400740 110-watt amp, and KSG-3102500 power supply. NO REPEATER	\$ 2,054.00	\$ 3,423.00
SIR740TXC	Includes one (1) TKR-740 repeater, KSG-2400740 110-watt amp, and KSG-3102500 power supply. NO CONTROLLER	\$ 3,108.00	\$ 5,180.00
SIR740TXP	Includes one (1) TKR-740 repeater, KSG-1104000 controller, KSG-2400740 110-watt amp. NO POWER SUPPLY	\$ 3,588.00	\$ 5,980.00

RACKS AND CABINETS SOLD SEPARATELY

PROGRAMMING

KPG-46	Programming Interface Cable (TKR-850/750)	\$ 109.00	NA
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800/900 MHz RF Repeater TX-Rx Unit

Model	Description	Dealer	List
TKR-900	800 MHz FCC channel assignments 001~600, TX: 806-821, RX: 851-866, +/- 5kHz Modulation, 0.00015% Freq. Stability.	\$ 1,850.00	\$ 3,085.00
TKR-900K2	800 MHz NPSPAC FCC channel assignments 601~800, TX: 821-824, RX: 866-869 MHz, +/-4 kHz Mod	\$ 2,850.00	\$ 4,750.00
TKR-901	900 MHz FCC channel assignments 001~399, TX: 935 - 940, RX: 896~901 MHz	\$ 2,469.00	\$ 4,116.00

All TKR-900/901 models are fully synthesized and provide 100% continuous duty operation. They may be used in a trunked or conventional operation and are configured for standard 19" rack mounting. Requires a trunked or conventional repeater control panel. Specify FCC channel assignments when ordering. 0.250W, 13.8VDC

UHF RF Repeater**TK-840 Frequency Chart****K: 450-480 MHz****K2: 480-512 MHz****K3: 400-430 MHz**

Model	Description	Dealer	List
TKR-840	The TKR-840 is a fully synthesized standalone conventional repeater and provides 100% continuous duty operation. The TKR-840 may be used in a trunked or conventional operation and is configured for standard 19" rack mounting. Trunked operation requires an external Trunking Logic Controller. 5W, 13.8VDC	\$ 1,965.00	\$ 3,275.00
KSG-9010018	External Antenna Relay, X40 series	\$ 463.00	\$ 771.00

Important Note: If you will be using the TKR-840 model as a stand alone simplex base station, you will need to also purchase an antenna relay KSG-9010018

TKR-850 Frequency Chart**K: 450-480 MHz****K2: 480-512 MHz****K3: 400-430 MHz**

TKR-850	The TKR-850 is a fully synthesized standalone conventional repeater and provides 100% continuous duty operation at 25 watts. The TKR-850 may be used in a trunked or conventional operation and is configured for standard 19" rack mounting. Trunked operation requires an external Trunking Logic Controller. 13.8VDC	\$ 950.00	\$ 1,583.00
KSG-9010050	External Antenna Relay, X50 series	\$ 204.00	\$ 340.00

Important Note: If you will be using the TKR-850 model as a stand alone simplex base station, you will need to also purchase an antenna relay KSG-9010050

VHF RF Repeater**TKR-740 Frequency Chart****K: 146-162 MHz****K2: 158-174 MHz****K3: 136-150 MHz**

Model	Description	Dealer	List
TKR-740	The TKR-740 is a fully synthesized standalone conventional repeater and provides 100% continuous duty operation. The TKR-740 may be used in a trunked or conventional operation and is configured for standard 19" rack mounting. Trunked operation requires an external Trunking Logic Controller. 5W, 13.8VDC	\$ 1,905.00	\$ 3,175.00
KSG-9010018	External Antenna Relay, X40 series	\$ 463.00	\$ 771.00

Important Note: If you will be using the TKR-740 model as a stand alone simplex base station, you will need to also purchase an antenna relay KSG-9010018

TKR-750 Frequency Chart**K: 146-174 MHz****K2: 136-150 MHz**

TKR-750	The TKR-750 is a fully synthesized standalone conventional repeater and provides 100% continuous duty operation at 25 watts. The TKR-750 may be used in a trunked or conventional operation and is configured for standard 19" rack mounting. Trunked operation requires an external Trunking Logic Controller. 13.8VDC	\$ 890.00	\$ 1,483.00
KSG-9010050	External Antenna Relay, X50 series	\$ 204.00	\$ 340.00

Important Note: If you will be using the TKR-750 model as a stand alone simplex base station, you will need to also purchase an antenna relay KSG-9010050

Continuous Duty RF Amplifiers

Model	Description	Dealer	List
Low Band <i>Low Band continuous-duty RF Base Station Amplifiers are a direct replacement unit for the TKB-6900S Low Band Base Stations only.</i>			
KSG-2400150	30-50 MHz 100 Watt RF Amplifier, with internal TX-RX relay, 13.8VDC.	\$ 1,264.00	\$ 2,107.00
KSG-2003551	35-50 MHz 300 Watt RF Amplifier, with internal DC power supply, 120VAC.	\$ 6,802.00	\$ 11,336.00
VHF - 790 <i>VHF continuous-duty Base Station Amplifiers are a direct replacement unit for the TKB-7900S VHF Base Stations only.</i>			
KSG-2400301	150-174 MHz 100 Watt RF Amplifier, with internal TX-RX relay, 13.8VDC.	\$ 1,086.00	\$ 1,810.00
VHF - 740 <i>VHF continuous-duty RF Amplifiers are a direct replacement unit for the TKR-7400S VHF repeater only.</i>			
KSG-24007-40	150-174 MHz 110 Watt RF Amplifier, no relay, 13.8VDC.	\$ 1,077.00	\$ 1,795.00
KSG-2400304	136-175 MHz 30 Watt RF Amplifier, no fan, no relay, 13.8VDC	\$ 649.00	\$ 1,081.00
KSG-2400305	136-175 MHz 65 Watt RF Amplifier, no fan, no relay, 13.8VDC	\$ 1,050.00	\$ 1,750.00
KSG-2400740	150-174 MHz 110 Watt RF Amplifier, no relay, 13.8VDC.	\$ 1,077.00	\$ 1,795.00
KSG-2400744	136-150 MHz 110 Watt RF Amplifier, no relay, 13.8VDC	\$ 1,077.00	\$ 1,795.00
VHF - 740 <i>VHF continuous-duty RF Base Station Amplifiers are a direct replacement unit for the TKB-7400S VHF Base Station(s) only.</i>			
KSG-2400314	136-175 MHz 30 Watt RF Amplifier, no fan, with internal TX-RX relay, 13.8VDC	\$ 715.00	\$ 1,192.00
KSG-2400315	136-175 MHz 65 Watt RF Amplifier, no fan, with internal TX-RX relay, 13.8VDC	\$ 1,456.00	\$ 2,427.00
KSG-2400741	146-162 MHz 110 Watt RF Amplifier, with internal TX-RX relay, 13.8VDC	\$ 1,409.00	\$ 2,348.00
KSG-2400745	136-150 MHz 110 Watt RF Amplifier, with internal TX-RX relay, 13.8VDC	\$ 1,409.00	\$ 2,348.00
VHF - 750 <i>VHF continuous-duty RF Amplifiers are a direct replacement unit for the TKR-7500S VHF repeater only.</i>			
KSG-2400303	136-175 MHz 100 Watt RF Amplifier, no relay, 13.8VDC	\$ 1,014.00	\$ 1,690.00
VHF - 750 <i>VHF continuous-duty RF Base Station Amplifiers are a direct replacement unit for the TKB-7500S VHF Base Station(s) only.</i>			
KSG-2400313	136-175 MHz 110 Watt RF Amplifier, with internal TX-RX relay, 13.8VDC	\$ 1,332.00	\$ 2,221.00
UHF - 840 <i>UHF continuous-duty RF Amplifiers are a direct replacement unit for the TKR-8400S UHF repeater(s) only.</i>			
KSG-24006-01	450-480 MHz 100 Watt RF Amplifier, no relay, 13.8VDC.	\$ 1,290.00	\$ 2,150.00
KSG-24006-02	480-512 MHz 100 Watt RF Amplifier, no relay, 13.8VDC.	\$ 1,290.00	\$ 2,150.00
KSG-24006-03	400-430 MHz 100 Watt RF Amplifier, no relay, 13.8VDC.	\$ 1,290.00	\$ 2,150.00
UHF - 840 <i>UHF continuous-duty RF Base Station Amplifiers are a direct replacement unit for the TKB-8400S UHF Base Station(s) only.</i>			
KSG-2400611	450-480 MHz 100 Watt RF Amplifier, with internal TX-RX relay, 13.8VDC	\$ 1,608.00	\$ 2,680.00
KSG-2400612	480-512 MHz 100 Watt RF Amplifier, with internal TX-RX relay, 13.8VDC	\$ 1,608.00	\$ 2,680.00
KSG-2400613	400-430 MHz 100 Watt RF Amplifier, with internal TX-RX relay, 13.8VDC	\$ 1,608.00	\$ 2,680.00
KSG-2400615	450-480 MHz 15 Watt RF Amplifier, no fan, with internal TX-RX relay, 13.8VDC	\$ 1,132.00	\$ 1,886.00
KSG-2400616	450-480 MHz 40 Watt RF Amplifier, no fan, with internal TX-RX relay, 13.8VDC	\$ 1,417.00	\$ 2,362.00
UHF - 850 <i>UHF continuous-duty RF Amplifiers are a direct replacement unit for the TKR-8500S UHF repeater(s) only.</i>			
KSG-24006-00	450-470 MHz 100 Watt RF Amplifier, no relay, 13.8VDC.	\$ 1,164.00	\$ 1,940.00
UHF - 850 <i>UHF continuous-duty RF Base Station Amplifiers are a direct replacement unit for the TKB-8500S UHF Base Station(s) only.</i>			
KSG-2400610	450-470 MHz 100 Watt RF Amplifier, with internal relay, 13.8VDC.	\$ 1,259.00	\$ 2,099.00
UHF - 890 <i>UHF continuous-duty RF Base Station Amplifiers are a direct replacement unit for the TKB-8900S UHF Base Station(s) only.</i>			
KSG-24006-10	450-470 MHz 100 Watt RF Amplifier, 40 watts input with internal TX-RX relay, 13.8VDC	\$ 1,482.00	\$ 2,470.00
800/900 MHz <i>KSG-28000/29000 Series continuous-duty RF Amplifiers are used with Kenwood's TKR-900/901 TX-RX Units. All KSG-28000/29000 Series continuous-duty RF Amplifiers include forced air cooling and are configured for 19" rack mounting. KSG-28131 & KSG-29131 RF Amplifiers include internal DC power supplies.</i>			
KSG-28080	800 MHz 80 Watt Amplifier, no relay, 13.8VDC.	\$ 1,895.00	\$ 3,159.00
KSG-28131	800 MHz 130 Watt Amplifier w/ internal DC power supply, no relay, 120VAC.	\$ 4,958.00	\$ 8,264.00
KSG-29131	900 MHz 130 Watt Amplifier w/ internal DC power supply, no relay, 120VAC.	\$ 4,958.00	\$ 8,264.00

High Efficiency Power Supplies

Model	Description	Dealer	List
KSG-3102500	(SC) Power Supply, 20A, No Meter, RM-2512 with BB6	\$ 290.00	\$ 483.00
KSG-3102502	Power Supplies, 2 ea. Dual Mounted, No Meter, RM-2512s with BB6s	\$ 395.00	\$ 659.00
KSG-3107001	(MC) Power Supply, 70A, ATO Fuse Panel, 12' AC Cord	\$ 895.00	\$ 1,492.00
KSG-3107002	(MS) Power Supply, 70A, ATO Fuse Panel, 12' AC Cord, SmartCharger	\$ 1,142.00	\$ 1,903.00

Miscellaneous Components

KSG-9400130	3' Equipment Rack (unassembled)	\$ 337.00	\$ 562.00
KSG-9400170	7' Equipment Rack (unassembled)	\$ 305.00	\$ 509.00
KSG-9400102	Cable Standoff Kit (20 each)	\$ 53.00	\$ 88.00
KSG-4002020	42" (20 U) Locking Cabinet - Standard Perforated Top Lid	\$ 1,019.00	\$ 1,699.00
KSG-4004040	77" (40 U) Locking Cabinet - Standard Perforated Top Lid	\$ 1,205.00	\$ 2,008.00
KSG-4000PN17	Solid Top Panel (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 70.00	\$ 117.00
KSG-4000FPSG	Solid Top Panel with 120VAC Fan (Fits both KSG-40020-20 & KSG-40040-40 Cabinets)	\$ 430.00	\$ 716.00
KSG-3360001	Modem, Remote programming interface	\$ 188.00	\$ 313.00
KSG-3360001T	Modem, Remote programming interface, tray mounted	\$ 213.00	\$ 355.00
KSG-1103000	Trident "Tuff Modem" with power and interface cable	\$ 551.00	\$ 919.00
KSG-9010018	Antenna Relay	\$ 463.00	\$ 771.00

Miscellaneous Components when purchased separately are not supplied with the Kenwood logo.

Tone and DC Wireline Control Options

KSG-TTP1	Tone Wireline Control, 1-frequency, no case - Specify 2 or 4-Wire, (Simplex or Duplex on 4-Wire)	\$ 351.00	\$ 585.00
KSG-TTP2C00	Tone Wireline Control, 2-frequency, - Specify 2 or 4-Wire, (Simplex or Duplex on 4-Wire)	\$ 434.00	\$ 724.00
KSG-TTPBCD	Multi-Frequency Tone Remote Wire line Control. Includes multifunction tone termination unit. Function Tones: F1=1950 Hz F2=1850 Hz F3=1750 Hz F4=1650 Hz Guard Tone: 2175 Hz (NOTE: This unit is not recommended for use with any '40 series base station or repeater)	\$ 664.00	\$ 1,106.00
KSG-TTPBCD4W	4-Wire Multi-Frequency Tone Remote Wire line Control. Includes multifunction tone termination unit. Function Tones: F1=1950 Hz F2=1850 Hz F3=1750 Hz F4=1650 Hz Guard Tone: 2175 Hz (NOTE: This unit is not recommended for use with any '40 series base station or repeater)	\$ 664.00	\$ 1,106.00
KSG-TTP104W	4-Wire Multi-Frequency Tone Remote Wire line Control. Includes multifunction tone termination unit. Function Tones: F1=1950 Hz F2=1850 Hz F3=1750 Hz F4=1650 Hz Guard Tone: 2175 Hz (NOTE: This unit is recommended for use with any '40 series base station or repeater)	\$ 615.00	\$ 1,025.00
KSG-DTP2C00	DC Wireline Control - 1-frequency, Specify 2 or 4-Wire, (Simplex or Duplex on 4-Wire)	\$ 207.00	\$ 345.00
KSG-DTP2FDRAY	600Ω Balanced Audio Line Driver - Specify 2 or 4-Wire.	\$ 165.00	\$ 275.00

**NOTE: Base stations come standard with a KSG-TTP1C00. To upgrade your wireline control option, subtract the cost of the standard KSG-TTP1C00 wireline control and simply add the cost of your desired upgrade. **Make note on your purchase order of what model upgrade you have chosen.*

Combining / Receiving / Duplexing Options

Equipment is tuned to your specified freqs. Please provide freqs at time of order.

KSG-M1074502TP	2-channel UHF transmitter combiner, 7" cavities, 300 KHz minimum channel spacing	\$ 2,720.00	\$ 3,886.00
KSG-M1074503TP	3-channel UHF transmitter combiner, 7" cavities, 300 KHz minimum channel spacing	\$ 3,862.00	\$ 5,518.00
KSG-M1074504TP	4-channel UHF transmitter combiner, 7" cavities, 300 KHz minimum channel spacing	\$ 5,005.00	\$ 7,150.00
KSG-M1074505TP	5-channel UHF transmitter combiner, 7" cavities, 300 KHz minimum channel spacing	\$ 6,147.00	\$ 8,782.00
KSGTWR8450R1SA	UHF Receiver Multicoupler, 8 port with step attenuator	\$ 1,783.00	\$ 2,547.00
KSG-TPRD-1554	150-174 MHz Pass-Reject Base Station Duplexer, 5"/4-Cavity, 600 KHz Min.	\$ 816.00	\$ 1,166.00
KSG-TPRD-1556	150-174 MHz Pass-Reject Base Station Duplexer, 5"/6-Cavity, 400 KHz Min.	\$ 1,321.00	\$ 1,887.00
KSG-TPRD-4544	400-512 MHz Pass-Reject Base Station Duplexer, 4"/4-Cavity, 5 MHz Min.	\$ 860.00	\$ 1,229.00
KSG-TPRD-4546	400-512 MHz Pass-Reject Base Station Duplexer, 4"/6-Cavity, 5 MHz Min.	\$ 1,321.00	\$ 1,887.00
KSG-TTPD-8644	800-960 MHz Bandpass-Band Reject Duplexer, 4"/4-Cavity.	\$ 994.00	\$ 1,419.00
KSG-TTPD-9044	900-960 MHz Bandpass-Band Reject Duplexer, 4"/4-Cavity.	\$ 994.00	\$ 1,419.00
KSG-TPCP-4546	400-512 MHz Preselector, 5"/6-cavity	\$ 1,321.00	\$ 1,887.00

Because this equipment is frequency specific certain information is assumed and reflected in the pricing. Your situation may be different and require special equipment that will impact your purchase price. The figures shown are generally for budgetary purposes only. Please call your sales manager for additional information and pricing. (NOTE: Due to the highly specific nature of this type of equipment no returns for exchange or credit will be allowed. Please consult with your sales manager prior to your purchase)

*****NOTE*** An integration fee of \$50.00 per channel will be charged on all orders with combining.**

Controllers

When ordering controllers as replacements in an existing system, specify software and firmware in use.

11000 Series Trunking Controllers

Compatible with Trident Bus Format

Model	Description	Dealer		List
KSG-1104000	UHF Dispatch Logic Controller Features Include: Airtime Logging (one period) Sync Generation, CWID Codes, 38 CTCSS Tones, Repeater Disable Device for Co-Channel Protection. 13.8VDC (Interface cables sold separately)	\$	795.00	\$ 1,325.00
KSG-1105000	UHF Interconnect Logic Controller Features Include: All of the KSG-11040 features listed above and... Telephone interconnect, 2-Wire or 4-Wire E&M Compatibility, Dial Click Decoder, Audio Companding. 13.8VDC (Interface cables sold separately)	\$	1,515.00	\$ 2,525.00

KSG-11040 and KSG-11050 Controllers are Not compatible with the KSG-11060, KSG-11080, and KSG-11120 Series Controllers. (Note: The KSG-1106000, 1108000, and 1112000 controllers have been discontinued. Supplies are extremely limited and will be sold on a first come - first serve basis. Call your Systems Sales Account Manager for pricing and availability.)

KSG-5210532	Interface / Power cable, KSG-1104000/1105000 to '40/50' series repeater	\$	36.00	\$ 59.00
3872BK-3	Interface cable, Controller inter-link	\$	24.00	\$ 40.00
*NOTE: If you are building your own system or adding a channel to an existing system you will need one (1) KSG-5210532 and one (1) 3872BK-3 per channel. (If your building a single channel system you do not need the 3872BK-3)				

12000 Series Trunking Controllers

Compatible with Zetron Bus Format

KSG-1204210	Dispatch Logic Controller Features Include: Sync Generation, CWID, Remote Validation, Airtime Logging (2 period), Repeater Statistics, Real Time Display. 13.8VDC	\$	910.00	\$ 1,517.00
KSG-1204520	Dispatch Logic Controller Features Include: Sync Generation, CWID, Remote Validation, Airtime Logging (2 period), Repeater Statistics, Real Time Display and Repeater Disable Device (RDD). 13.8VDC	\$	1,246.00	\$ 2,076.00
KSG-1204910	Interconnect Logic Controller Features Include: Sync Generation, CWID, Remote Validation, Airtime Logging (2 period), Repeater Statistics, Real Time Display, Ver. 6 advanced firmware, telephone interconnect capability, SMDR, full duplex 2-wire Telco Card. 13.8VDC	\$	3,012.00	\$ 5,020.00
KSG-1204590	Interconnect Logic Controller Features Include: Sync Generation, CWID, Remote Validation, Airtime Logging (2 period), Repeater Statistics, Real Time Display, Ver. 6 advanced firmware, telephone interconnect capability, SMDR, full duplex 2-wire Telco Card and Repeater Disable Device (RDD). 13.8VDC	\$	2,317.00	\$ 3,862.00

12000 Series Conventional Repeater Panel

KSG-1203810	Conventional Repeater Panel Features Include: 38 CTCSS tone/22 Digital code, remotely programmable, CWID, Programmable per-user features. 19" rack-mount. 13.8VDC.	\$	652.00	\$ 1,087.00
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