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Land-Mobile Price List

TK-690/790/890
Public Safety / Service Mobile Radios

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

Multi-Mode Versions

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

* Most popular radios

90-SERIES MOBILE FEATURES:

General Features:
· 160 Channels
· Multi-mode Channel Band Width (TK-790/890)
· 12.5 / 25 kHz Channel Spacing (per channel)
· Dual Priority Scan
· Flash ROM Memory
· MIL-STD 810C , D, & E
· MIIL-Spec "Driven Rain"

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
· And more...

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

Dash Mount Basic Feature Control Head

Remote Mount Full Feature Dual Control Head

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Accessory Configuration Sets

Single Band

(see pages 6 - 8 for more information)

Model	Description	List
9BHD1	KCH-10, KCT-23M2, KMB-9, KMC-27	$311.00
9BHDH1	KCH-10(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2)	956.00
9BHSH1	KCH-10, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27	537.00
9BMD1	KCH-10, KCT-23M, KMB-5, KMC-27	283.00
9BMDH1	KCH-10(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2)	925.00
9BMSH1	KCH-10, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27	506.00
9FHD1	KCH-11, KCT-23M2, KMB-9, KMC-27, KES-4	450.00
9FHDH1	KCH-11(x2), KRK-6DH, KCT-22M2(x2), KCT-23M4, KMB-9, KMC-27(x2), KES-4(x2)	1,234.00
9FHSH1	KCH-11, KRK-5, KCT-22M2, KCT-23M4, KMB-9, KMC-27, KES-4	676.00
9FMD1	KCH-11, KCT-23M, KMB-5, KMC-27, KES-4	422.00
9FMDH1	KCH-11(x2), KRK-6DH, KCT-22M2(x2), KCT-23M3, KMB-5, KMC-27(x2), KES-4(x2)	1,203.00
9FMSH1	KCH-11, KRK-5, KCT-22M2, KCT-23M3, KMB-5, KMC-27, KES-4	645.00

Dual Band

(see page 9 for more information)

Model	Description	List
9BHHDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	725.00
9BHMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	694.00
9BMMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	663.00
9FHHDB	KCH-11 KRK-7DB, KMC-27, KES-4, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	864.00
9FHMDB	KCH-11 KRK-7DB, KMC-27, KES-4, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	833.00
9FMMDB	KCH-11 KRK-7DB, KMC-27, KES-4, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	802.00

Dual Band Dual Head

(see page 10 for more information)

Model	Description	List
9BBHH	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2)	1,064.00
9BBHM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9	1,033.00
9BBMM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2)	1,002.00
9FFHH	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2), KES-4(x2)	1,342.00
9FFHM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9, KES-4(x2)	1,311.00
9FFMM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2), KES-4(x2)	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

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Accessories for 90-Series Mobile Radios

Model	Description	List
CABLES		
KCT-18	Ignition sense cable (requires KCT-19)	$13.00
KCT-19	Accessory connector cable (for ignition sense, horn alert, KSP- spkrs, & Data Port)	21.00
KCT-22M	Control cable - 8 Feet	70.00
KCT-22M2	Control cable - 17 Feet (Standard accessory config. set cable)	80.00
KCT-22M3	Control cable (25 Feet)	90.00
KCT-23M	DC Cable (35/45W Dash mount)	30.00
KCT-23M2	DC Cable (75/110W Dash mount)	37.00
KCT-23M3	DC Cable (35/45W Remote mount)	33.00
KCT-23M4	DC Cable (75/110W Remote mount)	43.00
INSTALLATION ACCESSORIES		
KCK-6[1]	Auxiliary Adapter for 90-Series Mobiles (For AUX A, B, & C)	115.00
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max)	39.50
KMB-10	Key Lock Adapter for use with KMB-5	25.00
KMB-5	Medium Power Mounting Bracket (35W/45W models)	14.00
KMB-9	High Power Mounting Bracket with built-in key lock (75W/110W models)	35.00
MICROPHONES AND SPEAKERS		
KES-4	External Speaker, 20W max input	59.00
KMC-27	Rugged standard microphone with noise canceling, MIL-STD and driven rain features	99.00
KMC-28	DTMF microphone (MIL-SPEC, Noise canceling)	155.00
KMC-9B	Desk top microphone	92.00
MISCELLANEOUS ITEMS		
KCH-10	Basic Control Panel	$140.00
KCH-11	Full Featured Control Panel	220.00
KRK-5	Single Control Head Remote Mount Kit	140.00
KRK-6DH	Dual Control Head Remote Mount Kit	240.00
KRK-7DB	Dual Band Control Head Remote Mount Kit	250.00
KRK-8DBH	Dual Band Dual Head Remote Mount Kit	270.00
SERVICE RELATED ACCESSORIES		
KPG-43	Programming Interface Cable for TK-690/790/890 (requires KPG-44D)	N/A
KPG-44D	Programming Disk (90-Series mobiles) 1.2 Version	N/A
*****************	**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)	14.00
K29-5277-03	Key Inserts for 90-series mobile (RCL, RPT, SCN, SP, SPM, SQ, TA, <up arrow>, <down arrow>)	14.00
K29-5305-03	Key Inserts for 90-series mobile (CH1, CH2, CH3, CH4, CH5, AUXA, AUXB, AUXC, EMG, ORG)	14.00
S76-0407-05	1 Amp Relay for 90-series mobile	11.22

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Accessories for 90-Series Mobile Radios

Model   *Description*   *List*

DIGITAL ANI MODULES

G-Star® or MDC1200 Digital ANI Modules by Cimarron Technologies

Compatible Radios:

Portable: TK-190, TK-280/380, TK-290/390, TK480/481

Mobile: TK-6110, TK-780/880/980/981, TK-790/890, TK-730G/830G

Note: The 80-Series portables and mobiles and the 90-Series mobiles require a special firmware installed for proper ANI module-radio operation. This is done at the time the ANI modules are installed.

How to Order: (Please see Cimarron Appendix and/or QE-2 Appendix for more info. and a copy of the Order Sheet)

1. Select the proper model/ quantity of radios, the desired ANI format G-Star or MDC-1200, the desired ANI module and appropriate labor codes.

    ---> See the "CDEU-1, & QE-1 Information/Order Sheet or the QE-2 MDC-1200 Information/Order Sheet (QE-2)"; Please note that QE-1 is soon to be discontinued).

    ---> Select the ID format, ID codes and other feature options.

2. Fill out the module Order Sheet and fax it with your radio order to your authorized Kenwood Rep or LMR Order Desk.

On the Order Sheet, All items must be filled out even if the feature option is "disabled" (incomplete Order Sheets will not be processed).

    ---> Emergency "Man-down" features require an installed CAE-3 internal man-down tilt switch option.

    ---> Orders are only accepted on new radio purchases. No retrofits, module-only or "tune & ship loose" orders are accepted.

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

Model	Description	List
QE-1	Micro-Miniature Encoder - G-Star® features: PTT ANI, emergency & man-down messages [Factory Install Only – Must order L-843] **Discontinued; Replaced by QE-2**	128.00
QE-2	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]; **Replaces QE-1**	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	95.00
CDEU-1	Encoder/Decoder – G-Star® features: PTT ANI, emergency & man-down messages, selective call, open mic monitor and radio disable/enable ("stun/resurrect") [Factory Install Only – Must order L-844] **Note**: Selective call & enable/disable require the Cimarron Model C-Mark III or IV Encoder/Decoder/Display Units. Must be ordered directly from Cimarron @ 800-487-7184. **Intent to Discontinue**	178.00

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

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Installation / Tuning Charges for 90-Series Mobile Radios

Model	Description	List
L-843	Install QE-1 (mobile or portable)	59.00
L-844	Install CDEU-1 (mobile only)	59.00
L-846	Package Dash/Single Head Remote for 90-series mobiles	17.00
L-847	Package Dual Head Remote for 90-series mobiles	34.00
L-848	Package Dual Band Remote for 90-series mobiles	34.00
L-849	Package Dual Band Dual Head Remote for 90-series mobiles	50.00
L-850	Tune TK-890 receiver channel spread (20 MHz max.); specify receive spread (See Pg. 37)	N/C
L-854	Tune 90-series mobile	30.00
L-858	Modify 90-series mobile Single Band (Single Head) Mobile for Pyramid Vehicular Repeater	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)".	75.00
L-861	Install Horn Alert output relay for 90-series mobiles (1 amp max.) --- Part #S76-0407-05 Relay incl.	70.00
L-862[2]	Install Key Inserts for 90-series mobiles	15.00
L864[3, 4]	KCT-22A Extended Control Head Cable (up to 50 ft. max.)[4]	190.00
L865[3, 4]	KCT-22A Extended Control Head Cable (up to 100 ft. max.)[4]	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)	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)	25.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles	50.00
L-883	Modify 90-series mobile for KCT-18	25.00
L-891	External speaker modification for 90-series mobile Control Head (13W)	10.00
L-901	Program and install QE-2 MDC1200 Encoder	59.00
L-902	Program and install QE-2 G-Star® Encoder	59.00
L-903	R640 mic input modification for 90-series mobile	17.00
L-910[6]	Install firmware 094F (90-series mobile * and # DTMF without PTT)	17.00
L-912	90-Series mobile low imp. mic. Input at RF deck	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).	17.00
L-921	Modify 90-series mobile Dual Band (Single Head) for Pyramid Vehicular Repeater	75.00
L-922	Modify 90-series mobile Dual Band (Dual Head) for Pyramid Vehicular Repeater	75.00

For more detailed information regarding the 90-Series Mobile Radios, please fax a literature order form to the Land Mobile Literature Department at (310) 761-8246 and request product code: SG90 for TK-690 / 790 / 890 Sales Guide. For 90-Series Mobile Radio Service Manuals, please contact Kenwood Parts @ (800) 367-7514. 90-Series Mobile Sales Guide and Service Manuals are NOW AVAILABLE.

[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-4 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.

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90-Series Mobile Radios Configuration Sets - Single Band
(see page 2 for more information)

DASH MOUNT / MEDIUM POWER

Model	Description	List
VHF HIGH BAND		
TK-790K	148-174 MHz, 45W, Basic front, 160 Channels (pre-packaged TK-790BK 9BMD1)	$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	1,013.00
TK-790BK2 9BMD1	136-156 MHz, 45W, Basic front, 160 Channels	1,013.00
TK-790BK 9FMD1	148-174 MHz, 45W, Full front, 160 Channels	1,152.00
TK-790BK2 9FMD1	136-156 MHz, 45W, Full front, 160 Channels	1,152.00
UHF		
TK-890K	450-490 MHz, 40W, Basic front, 160 Chan. (prepackaged TK-890BK 9BMD1)	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	1,063.00
TK-890BK2 9BMD1	480-512 MHz, 40W, Basic front, 160 Channels	1,063.00
TK-890BK3 9BMD1	403-430 MHz, 40W, Basic front, 160 Channels	1,063.00
TK-890BK 9FMD1	450-490 MHz, 40W, Full front, 160 Alpha/Num Channels	1,202.00
TK-890BK2 9FMD1	480-512 MHz, 40W, Full front, 160 Alpha/Num Channels	1,202.00
TK-890BK3 9FMD1	403-430 MHz, 40W, Full front, 160 Alpha/Num Channels	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

Model	Description	List
VHF LOW BAND		
TK-690HBK 9BHD1	29.7-37.0 MHz, 110W, Basic front, 160 Channels	1,331.00
TK-690HBK2 9BHD1	35.0-43.0 MHz, 110W, Basic front, 160 Channels	1,331.00
TK-690HBK3 9BHD1	40.0-50.0 MHz, 110W, Basic front, 160 Channels	1,331.00
TK-690HBK 9FHD1	29.7-37.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,470.00
TK-690HBK2 9FHD1	35.0-43.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,470.00
TK-690HBK3 9FHD1	40.0-50.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,470.00
VHF HIGH BAND		
TK-790HBK 9BHD1	148-174 MHz, 110W, Basic front, 160 Channels	1,491.00
TK-790HBK 9FHD1	148-174 MHz, 110W, Full front, 160 Alpha/Num Channels	1,630.00
UHF		
TK-890HBK 9BHD1	450-480 MHz, 100/75W, Basic front, 160 Channels	1,541.00
TK-890HBK 9FHD1	450-480 MHz, 100/75W, Full front, 160 Alpha/Num Channels	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

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

SINGLE HEAD REMOTE / MEDIUM POWER

Model	Description	List

VHF HIGH BAND
TK-790BK 9BMSH1	148-174 MHz, 45W, Basic front, 160 Channels	$1,236.00
TK-790BK2 9BMSH1	136-156 MHz, 45W, Basic front, 160 Channels	1,236.00
TK-790BK 9FMSH1	148-174 MHz, 45W, Full front, 160 Alpha/Num Channels	1,375.00
TK-790BK2 9FMSH1	136-156 MHz, 45W, Full front, 160 Channels	1,375.00

UHF
TK-890BK 9BMSH1	450-490 MHz, 40W, Basic front, 160 Channels	1,286.00
TK-890BK2 9BMSH1	480-512 MHz, 40W, Basic front, 160 Channels	1,286.00
TK-890BK3 9BMSH1	403-430 MHz, 40W, Basic front, 160 Channels	1,286.00
TK-890BK 9FMSH1	450-490 MHz, 40W, Full front, 160 Alpha/Num Channels	1,425.00
TK-890BK2 9FMSH1	480-512 MHz, 40W, Full front, 160 Alpha/Num Channels	1,425.00
TK-890BK3 9FMSH1	403-430 MHz, 40W, Full front, 160 Alpha/Num Channels	1,425.00

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

SINGLE HEAD REMOTE / HIGH POWER

Model	Description	List

VHF LOW BAND
TK-690HBK 9BHSH1	29.7-37.0 MHz, 110W, Basic front, 160 Channels	1,557.00
TK-690HBK2 9BHSH1	35.0-43.0 MHz, 110W, Basic front, 160 Channels	1,557.00
TK-690HBK3 9BHSH1	40.0-50.0 MHz, 110W, Basic front, 160 Channels	1,557.00
TK-690HBK 9FHSH1	29.7-37.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,696.00
TK-690HBK2 9FHSH1	35.0-43.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,696.00
TK-690HBK3 9FHSH1	40.0-50.0 MHz, 110W, Full front, 160 Alpha/Num Channels	1,696.00

VHF HIGH BAND
TK-790HBK 9BHSH1	148-174 MHz, 110W, Basic front, 160 Channels	1,717.00
TK-790HBK 9FHSH1	148-174 MHz, 110W, Full front, 160 Alpha/Num Channels	1,856.00

UHF
TK-890HBK 9BHSH1	450-480 MHz, 100/75W, Basic front, 160 Channels	1,767.00
TK-890HBK 9FHSH1	450-480 MHz, 100/75W, Full front, 160 Alpha/Num Channels	1,906.00

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

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

DUAL HEAD REMOTE / MEDIUM POWER

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

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

DUAL HEAD REMOTE / HIGH POWER

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

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

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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).

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

MEDIUM POWER DECKS

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

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

HIGH POWER DECKS

Model	Description	List
TK-690HBK	29.7-37.0 MHz, 110W, 160 Channels	1,020.00
TK-690HBK2	35.0-43.0 MHz, 110W, 160 Channels	1,020.00
TK-690HBK3	40.0-50.0 MHz, 110W, 160 Channels	1,020.00
TK-790HBK	148-174 MHz, 110W, 160 Channels	1,180.00
TK-890HBK	450-480 MHz, 100/75W, 160 Channels	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	List
9BHHDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	725.00
9BHMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	694.00
9BMMDB	KCH-10, KRK-7DB, KMC-27, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	663.00
9FHHDB	KCH-11 KRK-7DB, KMC-27, KES-4, KCT-22M2, KCT-23M4(x2), KMB-9(x2)	864.00
9FHMDB	KCH-11 KRK-7DB, KMC-27, KES-4, KCT-22M2, KCT-23M3, KCT-23M4, KMB-5, KMB-9	833.00
9FMMDB	KCH-11 KRK-7DB, KMC-27, KES-4, KCT-22M2, KCT-23M3(x2), KMB-5(x2)	802.00

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

EXAMPLE ORDER

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

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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

MEDIUM POWER DECKS

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

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

HIGH POWER DECKS

Model	Description	List
TK-690HBK	29.7-37.0 MHz, 110W, 32 Channels	1,020.00
TK-690HBK2	35.0-43.0 MHz, 110W, 32 Channels	1,020.00
TK-690HBK3	40.0-50.0 MHz, 110W, 32 Channels	1,020.00
TK-790HBK	148-174 MHz, 110W, 160 Channels	1,180.00
TK-890HBK	450-480 MHz, 100/75W, 160 Channels	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	List
9BBHH	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2)	1,064.00
9BBMM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2)	1,002.00
9BBHM	KCH-10(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9	1,033.00
9FFHH	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M4(x2), KMB-9(x2), KES-4(x2)	1,342.00
9FFMM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3(x2), KMB-5(x2), KES-4(x2)	1,280.00
9FFHM	KCH-11(x2), KMC-27(x2), KRK-8DBH, KCT-22M2(x2), KCT-23M3, KCT-23M4, KMB-5, KMB-9, KES-4(x2)	1,311.00

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

EXAMPLE ORDER

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

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Frequency Capability for TK-790/890

FOR TK-790

New KPG-44D V1.10 Program Software enables for 2.5 kHz Channel Steps and Audio Companding:
The TK-790 production (all models), starting Feb. 1999 (SN 011XXXXX and after) have firmware and circuit changes that add 2.5 kHz PLL channel stepping (former 5, 6.25 & 7.5 kHz stepping) and companded audio. The new KPG-44D V1.10 release or later is required to program both 2.5 kHz channel step size and enable audio companding. The TK-790/890 production lots with these changes will bear a letter "A" mark near the serial number label on the factory cartons for easier recognition (until Dec. 1999).

Production from 11/98 through 4/99

Production of the TK-790 models through April, 1999 have multi-mode bandwidth per channel and operates on all original channel centers and the majority of the new off-set channels. These radios have the capability of 5, 6.25 and 7.5 kHz channel stepping which allow operation on 87.4% of all Part 90 licensable channels in the VHF Public Safety Pool and 83.36% of the channels in the B&I VHF Pool. All production after April, 1999 will have 2.5 and 6.25 channel stepping which will allow it operate on all original centers and all new off-sets.

Frequency Check

Divide the kHz portion of the frequency to be used by 2.5, 7.5, 5 and 6.25. At least one result should be a whole number.

Example 1:   Frequency = 156.2475
            247.5/2.5 = 99
            247.5/7.5 = 33
            247.5/5   = 49.5
            247.5/6.25 = 39.6
 	
Note: Frequency 156.2475 requires at a minimum a 7.5 kHz stepping model. Available with initial production.
	Example 2: Frequency = 151.4825
	            482.5/2.5 = 193
	            482.5/7.5 = 64.33
	            482.5/5 = 96.5
	            482.5/6.25 = 77.2
	
	Note: Frequency 151.4825 requires at a minimum a 2.5 kHz stepping model. Available with 5/99 production)

FOR TK-890

New KPG-44D V1.10 Program Software enables Audio Companding:
The TK-890 production (all models), starting Feb. 1999 (SN 011XXXXX and after) have firmware and circuit changes that add companded audio. The new KPG-44D V1.10 release or later is required to enable audio companding. The TK-790/890 production lots with these changes will bear a letter "A" mark near the serial number label on the factory cartons for easier recognition (until Dec. 1999).

TK-890 models operate on all UHF original channel centers and 12.5 kHz off-set channels.

IMPORTANT NOTES:
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.