

Land-Mobile Price List

TK-290/390 VHF / UHF Public Safety / Service Portables

Model	Description	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	\$750.00
TK-290K2	136-174 MHz 5W, 160 Ch. w/dual priority scan, w/DTMF keypad	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	800.00
TK-390K2	470-512 MHz 4W, 160 Ch. w/dual priority scan	800.00
TK-390K3	403-430 MHz 4W, 160 Ch. w/dual priority scan	800.00
TK-390K4	450-490 MHz 4W, 160 Ch. w/dual priority scan, w/DTMF keypad	850.00
TK-390K6	403-430 MHz 4W, 160 Ch. w/dual priority scan, w/DTMF keypad	850.00

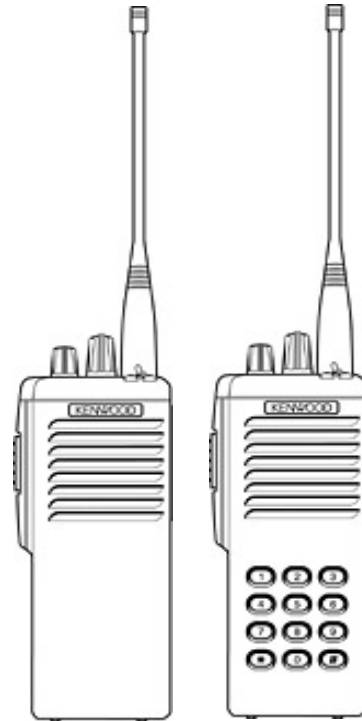
TK-290/390 FEATURES:

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
MIL-STD Speaker Mics
Mechanical Rotary Channel Selector
Programmable Toggle Switch
5 Programmable Keys
Key Lock Feature
7 Character Alphanumeric LCD
Reversible Display
Two Color LED
Dual Priority Scan

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



w/ DTMF



Accessories for the TK-290/390 Series Radios

Model	Description	List
ANTENNAS		
KRA-14M	VHF helical antenna 148-162 MHz	\$17.00
KRA-14M2	VHF helical antenna 162-174 MHz	17.00
KRA-14M3	VHF helical antenna 136-150 MHz	17.00
KRA-15AM	UHF whip antenna 450-490 MHz	17.00
KRA-15AM2	UHF whip antenna 470-512 MHz	17.00
KRA-15AM3	UHF whip antenna 403-430 MHz	17.00
KRA-16M	VHF stubby antenna 148-162 MHz	13.00
KRA-16M2	VHF stubby antenna 162-174 MHz	13.00
KRA-16M3	VHF stubby antenna 130-150 MHz	13.00
KRA-17M	UHF stubby antenna 450-490 MHz	13.00
KRA-17M2	UHF stubby antenna 470-512 MHz	13.00
KRA-17M3	UHF stubby antenna 403-430 MHz	13.00
KRA-25	High Gain VHF Helically Loaded ¼ Wave Whip Antenna 148-162 MHz (9.75 inches); 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 limit quantities. Allow up to 8 weeks for delivery.	32.50
BATTERIES AND CHARGERS		
KBP-4 ³	AA Alkaline Refillable Battery Pack for TK-290/390/280/380 (12 AA Alkaline 9V) Batteries Not Incl.	41.00
KNB-16A	1100 mAh/8 Hour, 7.2 VDC Ni-Cd battery	57.00
KNB-17A	1500 mAh, 7.2 VDC (4/5W), NiCd battery	67.00
KNB-17BK ^{1, 2}	Intrinsically Safe Battery 1500 mAh, 7.2 VDC (4/5W), NiCd battery [I.S. Certified] Must order L-835.	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.	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.	70.00
KNB-22NC ⁸	2100 mAh NiMH (approx. 13 hrs. life @ 5-5-90); requires KSC-24 charger, [I.S. Certified] Must order L-979. Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases.	117.00
KMB-16	Six Unit Charger Adapter for the KSC-16/24/25 rapid rate (chargers not included)	165.00
KMB-23	Six Unit Charger Adapter for the KSC-16/24/25/32 rapid rate chargers (chargers not included) Small footprint (13"Wx7.8"Hx11.7"D); 2 tiered rows hold 3 KSC-units each.	182.00
KSC-19	Regular rate single unit desk charger for NiCd batteries only: KNB-16/17A/17B	35.00
KSC-19M	220 volt regular rate single unit desk charger for NiCd batteries only: KNB-16/17A/17B	35.00
KSC-24	110 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	59.00
KSC-24E	220 volt Rapid rate single unit dual-chemistry charger for KNB-14/15/16/17A/17B/20N/21N/22N	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	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	80.00
KVC-5 ⁴ A	Vehicular D.C. Charger for 80/90 Series Portables Note: Compatible with the KNB-16/17A/17B/21N/22N/22NC	340.00
KVC-8A	150-174 MHz 35W Vehicular Adapter (See important notes below for KVC-8A/9A)	885.00
KVC-9A	450-512 MHz 25W Vehicular Adapter (See important notes below for KVC-8A/9A)	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).		
KES-5	External speaker, 40W max input, blk case; 5"x5"x2-9/16" [listed here for KVC-8A/9A purchase]	59.00
KMC-27B	Standard dynamic mobile microphone (8-pin mod. plug) [listed here for KVC-8A/9A purchase]	40.00
KCT-18	Ignition sense cable (requires KCT-19) [listed here for KVC-8A/9A purchase]	13.00
CARRYING ACCESSORIES		
KBH-10	Spring action belt clip	8.00
KBH-8DS	Swivel belt loop with D-Ring	25.00
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back for a leather case	21.00
KLH-78B	Heavy duty leather carrying case for TK-190/290/390 - compatible w/NiCd & NiMH batteries	42.00
KLH-79B	Heavy duty leather carrying case for TK-290/390 DTMF Keypad models - compatible w/NiCd & NiMH batteries	42.00
KLH-88	Cordura Nylon carrying case for TK-190/290/390	25.00
KLH-89	cordura Nylon carrying case for TK-290/390 DTMF Keypad models	25.00
KLH-90	Heavy duty leather carrying case for TK-290/390 DTMF Keypad models w/ KBP-4	42.00

Accessories for the TK-290/390 Series Radios

Model	Description	List
<u>MICROPHONE AND SPEAKERS</u>		
KCT-30 ¹	2.5mm Audio Accessory Adapter [I.S. Certified]	\$61.00
KEP-1 ¹	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker Mics (Black only) [I.S. Certified]	50.00
KEP-3 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 30" Cable (black) [I.S. Certified]	49.00
KEP-4 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 48" Cable (black) [I.S. Certified]	52.00
KHS-11BE ¹	2-wire palm mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	149.00
KHS-11BL ¹	2-wire palm mic w/earphone, universal connector (Black) [I.S. Certified]	149.00
KHS-12BE ¹	3-wire mini lapel mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	175.00
KHS-12BL ¹	3-wire mini lapel mic w/earphone, universal connector (Black) [I.S. Certified]	175.00
KHS-14 ¹	Lt. Wt. Single muff headset w/boom mic & In-line PTT, universal connector (Blk) [I.S. Certified]	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]	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]	350.00
<p>Note 1: "Beige-colored" 2-wire & 3-wire mic models; Allow min. 4 weeks delivery time.</p> <p>Note 2: Heavy-duty headsets; Allow min. 4 weeks delivery time.</p>		
KMC-25 ¹	MIL-SPEC, Noise canceling Speaker mic [I.S. Certified]	92.00
KMC-26 ¹	MIL-SPEC, Noise canceling Speaker mic w/Antenna Connector (antenna not incl.) [I.S. Certified]	110.00
<u>SERVICE RELATED ACCESSORIES</u>		
KPG-36	Programming interface cable	N/A
KPG-38DK ⁶	Programming Software	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)	65.00
<u>DIGITAL ANI MODULES</u>		
QE-2 ¹	G-Star® or MDC1200 ANI Board: PTT ANI, emergency & man-down messages [Factory Install Only] – Must order L-901 or L-902; [I.S. Certified]	128.00
<p>QE-2 G-Star®/ MDC1200 Digital ANI Boards by Cimarron Technologies</p> <p>Pre-programmed & installed boards require a completed "QE-2 Information and Order Sheet" (available from Kenwood LMR Order Desk) submitted with order.</p> <p>Notes:</p> <p>a. QE-2's are Kenwood installed only; these are not available as "shipped loose" (pre-programmed or not).</p> <p>b. Allow a min. 1 week delivery ARO for 1- 25 units (allow min. 3 weeks for 25 units and up).</p> <p>c. Emergency "Man-down" feature requires an installed CAE-3 internal man-down tilt switch option (portables only).</p> <p>d. QE-2 Programmers are NOT available from Kenwood. Purchase model QPF-2, direct from Cimarron Technologies Call 800-487-7184 www.cimtechcorp.com</p>		
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.	21.00
Note: Not Sold, Installed without QE-2 or CDEU-1 Installation. [I.S. Certified]		

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

Model	Description	List
L-804	Tune TK-290/390	\$25.00
L-836	Assemble KMB-16 with six KSC-24's	15.00
L-961	Assemble KMB-23 with six KSC-24/25/32 (Rapid Rate, 120 Volt versions only)	17.00
L-835	Configure TK-190/290/390 for Intrinsically Safe (Must Order KNB-17BK)	70.00
Note: Please see end of this pricepages section for a list of Intrinsically Safe Accessories for this radio.		
L-979	Configure TK-190/290/390 (KNB-22NC) for Intrinsically Safe (Must Order KNB-22NC)	70.00
L-837	Install KNB-17A/17BK battery	0.00
L-845	Install CAE-3 (portable only)	9.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	50.00
L-901	Program and install QE-2 MDC1200 Encoder	75.00
L-902	Program and install QE-2 G-Star® Encoder	75.00

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

Model	Description	List
BATTERIES		
KNB-17BK ^{1,2}	Intrinsically Safe Battery 1500 mAh, 7.2 VDC (4/5W), Nicad battery [I.S. Certified]	\$100.00
KNB-22NC ⁸	2100 mAh NiMH (approx. 13 hrs. life @ 5-5-90); requires KSC-24 charger, [I.S. Certified] Must order L-979. Note: Not compatible with Kenwood NiCd chargers or earlier model leather cases.	117.00
MICROPHONE AND SPEAKERS		
KCT-30 ¹	2.5mm Audio Accessory Adapter [I.S. Certified]	61.00
KEP-1 ¹	3.5mm earphone kit for KMC-25/26, KMC-10/11 Speaker Mics (Black only) [I.S. Certified]	50.00
KEP-3 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 30" Cable (black) [I.S. Certified]	49.00
KEP-4 ¹	Earphone kit w/ 2.5mm plug for KCT-30, 48" Cable (black) [I.S. Certified]	52.00
KHS-11BE ¹	2-wire palm mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	149.00
KHS-11BL ¹	2-wire palm mic w/earphone, universal connector (Black) [I.S. Certified]	149.00
KHS-12BE ¹	3-wire mini lapel mic w/earphone, universal connector (Beige) [See Note 1] [I.S. Certified]	175.00
KHS-12BL ¹	3-wire mini lapel mic w/earphone, universal connector (Black) [I.S. Certified]	175.00
KHS-14 ¹	Lt. Wt. Single muff headset w/boom mic & in-line PTT, universal connector (Blk) [I.S. Certified]	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]	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]	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]	92.00
KMC-26 ¹	MIL-SPEC, Noise canceling Speaker mic w/Antenna Connector (antenna not incl.) [I.S. Certified]	110.00
DIGITAL ANI MODULES		
QE-2 ¹	G-Star® or MDC1200 ANI Board: PTT ANI, emergency & man-down messages [Factory Install Only] – Must order L-901 or L-902; [I.S. Certified]	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]	21.00
<small>G-Star® is a registered trademark of General Electric.</small>		

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**

⁸ Meets Intrinsically Safe requirements of Classes I, II, III, Division 1, Groups C, D, E, F, G, & Non-Incendive Class I, Division 2, Groups C, D hazardous locations. The KNB-22NC is labeled "KNB-22NC is an authorized alternate to KNB-17B" and therefore the KNB-22NC can be sold into existing portable fleets using KNB-17BK and not compromise the portables I.S. certification. The KNB-22NC does NOT require adjustment of the Low Battery Warning settings. Portables previously inspected & readjusted by Kenwood Tuning Dept. or the dealership for KNB-17B Low Battery Warning should be re-adjusted for teh Low Battery Warning factory default setting (per the service manual).