

# TK-190

## Low Band VHF Portable Radio



**190 series portables include:**

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

\* All Accessories / options: 1 Year

*Purchase Battery, Charger  
& Antenna, Separately*

**GENERAL FEATURES**

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

--- Must Order **L-835** or **L-979** for Intrinsically Safe Option ---  
 \* USTC (NFPA/NEC) Intrinsically Safe Models:  
 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.

<b>RADIO</b>		<b>LIST</b>
TK-190K	VHF Low Band 29.7 – 37.0 MHz 6W, 16 Channels	674.00
TK-190K2	VHF Low Band 35.0 – 50.0 MHz 6W, 16 Channels	674.00

**Important Notice:**  
**If this transceiver is programmed for more than one channel, the transmit frequencies must be within a 500 kHz range.**  
 The physical condition of the antenna may affect the radio's performance. If the original KRA-21 antenna is worn, bent or damaged, immediately have your Kenwood authorized dealer replace the antenna with a new, properly adjusted KRA-21 antenna. Failure to follow these instructions may cause poor performance, damage to your transceiver, and may also place excess transmitter energy on the metal portions of your radio, which could make the transceiver uncomfortable to handle when transmitting. When transmitting, if your hand feels uncomfortable, contact your Kenwood dealer for a transceiver inspection, and possible antenna replacement.

<b>ANTENNA</b>		<b>LIST</b>
KRA-21	Tunable VHF Low Band helical antenna 29.7-50MHz. <b>Note:</b> Antenna band width is 1 MHz <b>Caution:</b> 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.	42.00

<b>BATTERIES AND CHARGERS</b>		<b>LIST</b>
KNB-17A	1500 mAh, Ni-Cd battery	70.00
KNB-17BK	1500 mAh, Ni-Cd battery [Intrinsically Safe Option]	105.00
KNB-21N	1600 mAh, Ni-MH battery - requires KSC-24 charger	63.00
KNB-22N	2100 mAh, Ni-MH battery - requires KSC-24 charger	73.50
KNB-22NC	2100 mAh, Ni-MH battery - requires KSC-24 charger [Intrinsically Safe Option]	122.50
KBP-4	AA Alkaline Refillable Battery Pack (12 AA; 9V) cells not included	43.00
KSC-19	110 volt Regular rate single unit desk charger for KNB-16/17A/17B	36.75
KSC-19M	220 volt Regular rate single unit desk charger for KNB-16/17A/17B	36.75
KSC-24	110 volt Rapid rate single unit charger for KNB-14/15/16/17A/17B/20N/21N/22N/22NC	62.00
KSC-24E	220 volt Rapid rate single unit charger for KNB-14/15/16/17A/17B/20N/21N/22N/22NC	62.00
KMB-16	Six Unit Charger Adapter for the KSC-16/20/24/25 chargers (chargers not included)	173.00
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/32 chargers (chargers not included)	191.00
KVC-3	Regular rate DC vehicular charger adapter for the KSC-15/17/19/30 chargers (chargers not included)	63.00
KVC-4	Rapid rate DC vehicular charger adapter for the KSC-16/18/20/24/25 chargers (chargers not included)	84.00
KVC-5A	Vehicular D.C. Charger for 80/90/5400 Portables with NiCd or NiMH Battery	357.00

<b>CARRYING ACCESSORIES</b>		<b>LIST</b>
KBH-10	Spring action belt clip	8.35
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00
KLH-78B	Heavy duty leather carrying case for TK-190/290/390/5400 (Non DTMF keypad models)	44.25
KLH-88	Cordura Nylon carrying case for TK-190/290/390/5400 (Non DTMF keypad models)	26.30
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for a Heavy-Duty Leather Case (KLH-75B/76B/78B/79B//92/122/123/133/148)	36.75
KLH-141	Extra Heavy-Duty Cordura Nylon carrying case for TK-190/290/390 (all battery packs; no keypad access)	34.75

<b>MICROPHONES &amp; AUDIO ACCESSORIES</b>		<b>LIST</b>
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics [Intrinsically Safe Approved Accessory]	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 [Intrinsically Safe Approved Accessory]	64.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 [Intrinsically Safe Approved Accessory]	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 [Intrinsically Safe Approved Accessory]	54.75
KMC-25A	MIL-SPEC, Noise canceling Speaker mic [Intrinsically Safe Approved Accessory] <b>Note:</b> 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).	96.50
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige) [Intrinsically Safe Approved Accessory]	156.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) [Intrinsically Safe Approved Accessory]	156.50

<b>MICROPHONES &amp; AUDIO ACCESSORIES - CONT'D</b>		<b>LIST</b>
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) <b>[Intrinsically Safe Approved Accessory]</b>	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) <b>[Intrinsically Safe Approved Accessory]</b>	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT <b>[Intrinsically Safe Approved Accessory]</b>	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT <b>[Intrinsically Safe Approved Accessory]</b>	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT <b>[Intrinsically Safe Approved Accessory]</b>	368.00

<b>OPTION MODULES</b>		<b>LIST</b>
CIM-1000	GE-Star or MDC-1200 ANI Encode Board <b>[Intrinsically Safe Approved Accessory]</b> - Must be Kenwood installed for I.S. Must order <b>L-1038</b> for MDC-1200 or <b>L-1039</b> for G-Star operations <b>Note:</b> CIM-1000 G-Star®/ MDC1200 Digital ANI Boards Pre-programmed & installed boards require a completed CIM-1000 Information and Order Sheet* (available from Kenwood LMR Order Desk) submitted with order. <b>a)</b> Order the appropriate Labor Code for MDC-1200 or G-Star. <b>b)</b> CIM-1000 boards can be ordered and shipped loose (if shipped loose, Kenwood will not program the board).	131.25
CIM-CABLE	Serial Program Cable <b>Note:</b> CIM-1000, K-20, K-26 programs via Windows Hyper terminal (Windows Ver 3.1 or later) or any ProComm version; board must be installed in a powered radio for programming. The radio programmer does NOT program the CIM-1000, K-20, K-26. CIM-CABLE is a DB-9 PC connector with 3 short lead with clips and may require a PC serial extension cable. CIM-IRP (Part No 01-30-0510) Infrared wireless standalone programmer, C-Plus line of desktop decoder displays and CIM-1000, K-20, K-26 Instruction Manuals are available directly from Cimarron Technologies 800-487-7184 at www.cimtechcorp.com	61.25
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) <b>[Intrinsically Safe Approved Accessory]</b> - Must be Kenwood installed for I.S. Order <b>L-1617</b> for CIM-1000, K-20, K-26 & <b>L-1618</b> for FleetSync® operations	22.00

<b>SERVICE RELATED ACCESSORIES</b>		<b>LIST</b>
KPG-36AM	Programming interface cable	93.00
KCT-53UM	USB Adapter for KPG-xxAM DB9F Programming Interface Cables (DB9M - to - USB Type A connector)	86.00
KPG-59DK	Windows® Program Software for TK-190/6110 (Version 2.00) ***** <b>Call Kenwood Parts at 800-367-7514 to order the following:</b>	68.50
E30-3325-05	Portable-to-Portable Cloning cable (For TK-190/290/390/480/481 Only)	65.00

<b>INSTALLATION / TUNING CHARGES</b>		<b>LIST</b>
L-911	TK-190/TK-6110 Programming (with basic TX/RX check)	25.00
L-835	Configure TK-190/290/390 for Intrinsically Safe <b>Must order KNB-17BK</b>	70.00
L-979	Configure TK-190/290/390 for Intrinsically Safe <b>Must order KNB-22NC</b>	70.00
L-836	Assemble KMB-16 with six KSC-20's/24's	15.00
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	17.00
L-837	Install KNB-17A/17BK battery	0.00
L-870	Simultaneous transpond and alert feature up-grade for 90-series mobiles & portables	50.00
L-914	Cut KRA-21 Low Band Antenna	10.00
L-1038	TK-190/290/390 CIM-1000/MDC1200 ENCODER INSTALLATION	75.00
L-1039	TK-190/290/390 CIM-1000/GE STAR ENCODER INSTALLATION	75.00
L-1617	90 PORTABLE KCT-57MS INSTALLATION (FOR CIM-1000)	20.00
L-1618	80/90 PORTABLE KCT-57MS INSTALLATION (FOR FLEETSYNC)	20.00