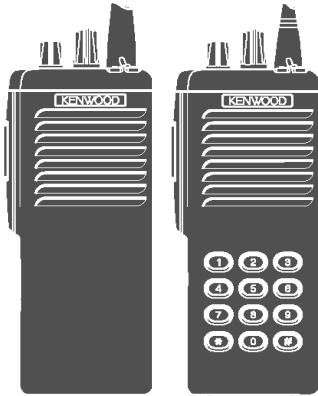


TK-290 / 390

VHF / UHF FM Transceivers



GENERAL FEATURES

- 5 W (136-174 MHz)
- 4 W (403-430, 450-490, 470-512 MHz)
- 160 Channels / 16 Channel Groups
- QT / DQT
- Dual Priority Scan
- Single & Multi-Group 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)
- 12-Key DTMF Keypad Models
- 500 mW Speaker Audio
- Companded 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/F
- MIL-STD "Driven-Rain"
- Intrinsically Safe Option (USTC)*
- MSHA Mine Safety Intrinsically Safe Option**

All 90 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

FleetSync®

- PTT ID Digital ANI
- Emergency Status

--- 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.

--- Must Order **L-1027** for MSHA Intrinsically Safe option ---

** **MSHA Intrinsically Safe Models:** Under U.S. CFR Title 30 Part 23, APPROVAL No. 23-A060002, the TK-290/390 portable radios*** (with or without keypad models) are approved for intrinsically safety in methane-air mixtures only with only the Kenwood 7.2V KNB-44BK battery pack and the MSHA-certified listed options/accessories. The battery pack should only be charged in fresh air

*** TK-290K/K2 & TK-390K/K4 Only (TK-390K2/K3/K6 are not MSHA approved)

RADIO		LIST
TK-290K	136-174 MHz 5W, 160 Ch. w/dual priority scan	788.00
TK-290K2	136-174 MHz 5W, 160 Ch. w/dual priority scan, w/DTMF keypad	840.00
TK-390K	450-490 MHz 4W, 160 Ch. w/dual priority scan	840.00
TK-390K2	470-512 MHz 4W, 160 Ch. w/dual priority scan	840.00
TK-390K3	403-430 MHz 4W, 160 Ch. w/dual priority scan	840.00
TK-390K4	450-490 MHz 4W, 160 Ch. w/dual priority scan, w/DTMF keypad	893.00
TK-390K6	403-430 MHz 4W, 160 Ch. w/dual priority scan, w/DTMF keypad	893.00

ANTENNAS		LIST
KRA-14M	VHF helical antenna 148-162 MHz	17.80
KRA-14M2	VHF helical antenna 162-174 MHz	17.80
KRA-14M3	VHF helical antenna 136-150 MHz	17.80
KRA-15AM	UHF whip antenna 450-490 MHz	17.80
KRA-15AM2	UHF whip antenna 470-512 MHz	17.80
KRA-15AM3	UHF whip antenna 403-430 MHz	17.80
KRA-16M	VHF stubby antenna 148-162 MHz	13.70
KRA-16M2	VHF stubby antenna 162-174 MHz	13.70
KRA-16M3	VHF stubby antenna 136-150 MHz	13.70

ANTENNAS - CONT'D		LIST
KRA-17M	UHF stubby antenna 450-490 MHz	13.70
KRA-17M2	UHF stubby antenna 470-512 MHz	13.70
KRA-17M3	UHF stubby antenna 403-430 MHz	13.70
KRA-22M	VHF short helical antenna 148-162 MHz	13.70
KRA-22M2	VHF short helical antenna 162-174 MHz	13.70
KRA-22M3	VHF short helical antenna 136-150 MHz	13.70
KRA-23M	UHF short whip antenna 450-490 MHz	13.70
KRA-23M2	UHF short whip antenna 470-512 MHz	13.70
KRA-23M3	UHF short whip antenna 403-430 MHz	13.70
KRA-26M	VHF helical antenna 146-162 MHz	14.00
KRA-26M2	VHF helical antenna 162-174 MHz	14.00
KRA-26M3	VHF helical antenna 136-150 MHz	14.00
KRA-27M	UHF whip antenna 440-490 MHz	14.00
KRA-27M2	UHF whip antenna 470-520 MHz	14.00
KRA-27M3	UHF whip antenna 400-450 MHz	14.00
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	34.25

BATTERIES AND CHARGERS		LIST
KNB-16A	1100 mAh, Ni-Cd battery	59.50
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
KNB-44BK	1500 mAh, Ni-Cd battery - requires KSC-24 charger [MSHA Intrinsically Safe Option]	114.00
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

CARRYING ACCESSORIES		LIST
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-79B	Heavy duty leather carrying case for TK-290/390/5400 (DTMF keypad models)	44.25

CARRYING ACCESSORIES - CONT'D		LIST
KLH-88	Cordura Nylon carrying case for TK-190/290/390/5400 (Non DTMF keypad models)	26.30
KLH-89	Cordura Nylon carrying case for TK-290/390/5400 (DTMF Keypad models)	26.30
KLH-90	Heavy duty leather carrying case for TK-290/390/5400 (DTMF keypad models w/ KBP-4)	44.25
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

MICROPHONES & AUDIO ACCESSORIES		LIST
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] [MSHA Approved Accessory]	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 [Intrinsically Safe Approved Accessory]	54.75
KMC-25	MIL-SPEC, Noise canceling Speaker mic [Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]	96.50
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic [MSHA Approved Accessory]	96.50
KMC-42WM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic [MSHA Approved Accessory] Important Note: Portable radio does not have an IP67 Immersion option; meets MIL STD810 rain standards	114.00
KMC-26	MIL-SPEC, Noise canceling Speaker mic w/Antenna Connector (ant. not incl.) [Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]	115.50
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
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) [Intrinsically Safe Approved Accessory]	184.00
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) [Intrinsically Safe Approved Accessory]	184.00
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT [Intrinsically Safe Approved Accessory]	126.00
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]	420.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory] [MSHA Approved Accessory]	368.00

OPTION MODULES		LIST
CIM-1000	GE-Star or MDC-1200 ANI Encode Board [Intrinsically Safe Approved Accessory] - Must be Kenwood installed for I.S. Must order L-1038 for MDC-1200 or L-1039 for G-Star operations Note: 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. a) Order the appropriate Labor Code for MDC-1200 or G-Star. 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 Note: 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

OPTION MODULES - CONT'D	LIST
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KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) [Intrinsically Safe Approved Accessory] - Must be Kenwood installed for I.S. Order L-1617 for CIM-1000, K-20, K-26 & L-1618 for FleetSync® operations	22.00
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SERVICE RELATED ACCESSORIES	LIST
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KPG-36AM	Programming interface cable	93.00
KCT-53JM	USB Adapter for KPG-xxAM DB9F Programming Interface Cables (DB9M - to - USB Type A connector)	86.00
KPG-38DK	Windows® Programming Software for TK-290/390	68.50
*****	Call Kenwood Parts at 800-367-7514 to order the following:	
E30-3325-05	Portable-to-Portable Cloning cable (For TK-190/290/390/480/481 Only)	65.00

INSTALLATION / TUNING CHARGES	LIST
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L-804	TK-290/390 Programming (with basic TX/RX check)	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 USTC Intrinsically Safe Must order KNB-17BK	70.00
L-979	Configure TK-190/290/390 for USTC Intrinsically Safe Must order KNB-22NC	70.00
L-1027	Configure TK-290/390 for MSHA Intrinsically Safe Must order KNB-44BK	70.00
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-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