

TK-5210
VHF FM & P25 Digital Portable Radios



All 5X10 series portables include:

- Belt Clip (KBH-11)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

Order packages to include Battery & Charger, or purchase Battery, Charger, and Antenna separately.

Basic Model

No LCD display; no front panel keys

Standard Model

16-Character Alphanumeric LCD
4 control keys

12 Keypad Model

16-Character Alphanumeric LCD
4 control keys
DTMF/Function keypad

GENERAL FEATURES

- 5 Watt (136-174 MHz)
- 50 Zones / 512 Channels (K-K6)
- 16 Zones / 64 Channels (K7)
- Personality Lists
- Backlit Dot Matrix LCD
- 16 Character Alphanumeric Aliases
- 3-Digit Sub-Display
- Function / Status LCD Icons
- RSSI Indicator
- Transmit / Busy / Call Alert / Warn LED
- On/Off Volume Knob
- 16-Position Selector Knob
- 2-Position PF Lever Switch
- 3-Position PF Concentric Switch
- 4 Front Menu-Driven PF Keys
- 3 Side PF Keys
- Orange Emergency / AUX Key
- 12-Key DTMF / PF Keypad
- Enhanced Kenwood Audio
- Voice Annunciation
- VOX Ready
- Emergency Features
- Tactical Group
- Battery Level Indicator
- Transceiver Password
- Date & 12/24 Hour Time Clock
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Self-Programming & Tuning
- Cloning
- Easy Option Port
- Weather-Sealed Accessory Connector
- MIL-STD-810 C/D/E/F
- IP54/55 Water & Dust Protection
- Immersion (IP66/67) Option
- Intrinsically Safe Option*

SCAN TYPES (FM & P25)

- Single Zone/Multi-Zone Scan
- Scan Lists
- Conventional Scan
- Limited Talk Group Scan
- Priority Monitor Scan
- Dual Priority Scan

* Approved for Classes I, II & III, Div. 1, Groups D, E, F, G and are also approved for non-incendive use in Class I, Div. 2, Groups A, B, C, D hazardous locations.

Note: Class I, Div 2 Group A & B Gases require use of a portable carrying case.

FM

- QT / DQT
- Operator Selectable Tone
- Two-Tone Decode / Encode
- DTMF Encode / Decode / Stun
- Special Alert Tone Patterns
- Encryption / ANI Board Control
- Companded Audio

FleetSync® (FM)

- FleetSync® or FleetSync® II
- PTT ID Digital ANI
- Caller ID Display
- Status Messaging
- Emergency & Stun Statuses
- Selective & Group Call
- Text Messaging
- Send/Display GPS (KMC-38GPS)
- PTT ID & Emergency GPS Reporting
- Status Message Block GPS Reporting

MDC-1200

- PTT ID Digital ANI
- Caller ID Display
- Emergency Status
- Radio Check
- Radio Inhibit

P25 DIGITAL

- P25 Digital Conventional
- P25 Digital Trunking Option
- IMBETM VOCODER
- Talk Group ID Lists
- Individual ID Lists
- Caller ID Display
- Remote Monitor/Remote Check
- Radio Inhibit
- Encryption Key Delete
- Encryption Key Zeroize (SCM required)
- Encryption Key Retention (SCM required)
- DES Encryption Options
- AES / DES Encryption Options
- KPG-93 KVL Key Loader Interface Cable

PACKAGES		RETAIL	WY PRICE
TK-5210K2-NKP	VHF NiMH Battery Package (TK-5210K2 + KNB-32N + KSC-32 + KBH-11)	1,994.50	1,396.15
TK-5210K2-LKP	VHF Li-Ion Battery Package (TK-5210K2 + KNB-43L + KSC-32 + KBH-11)	2,070.00	1,449.00
TK-5210K7-NKP	VHF NiMH Battery Package (TK-5210K7 + KNB-32N + KSC-32 + KBH-11)	1,557.50	1,090.25
TK-5210K7-LKP	VHF Li-Ion Battery Package (TK-5210K7 + KNB-43L + KSC-32 + KBH-11)	1,633.00	1,143.10
RADIO		RETAIL	WY PRICE
TK-5210K	136-174MHz 5W, 512 CH, Basic Model	1,225.00	857.50
TK-5210K2	136-174MHz 5W, 512 CH, Standard Model	1,838.00	1,286.60
TK-5210K3	136-174MHz 5W, 512 CH, 12 Keypad Model	1,995.00	1,396.50
TK-5210K7	136-174MHz 5W, 64 CH, Standard Model	1,400.00	980.00
FACTORY MUTUAL (FM) APPROVED MODELS		RETAIL	WY PRICE
Must Order L-986 & an Intrinsically Safe Battery per radio			
TK-5210-ISK	136-174MHz 5W, 512 CH, Basic Model	1,225.00	857.50
TK-5210-ISK2	136-174MHz 5W, 512 CH, Standard Model	1,838.00	1,286.60
TK-5210-ISK3	136-174MHz 5W, 512 CH, 12 Keypad Model	1,995.00	1,396.50
TK-5210-ISK7	136-174MHz 5W, 64 CH, Standard Model	1,400.00	980.00

ANTENNAS		RETAIL	WY PRICE
KRA-26M	VHF helical antenna 146-162 MHz	14.00	9.80
KRA-26M2	VHF helical antenna 162-174 MHz	14.00	9.80
KRA-26M3	VHF helical antenna 136-150 MHz	14.00	9.80
KRA-22M	VHF low-profile helical antenna 148-162 MHz	13.70	9.59
KRA-22M2	VHF low-profile helical antenna 162-174 MHz	13.70	9.59
KRA-22M3	VHF Low-profile helical antenna 136-150 MHz	13.70	9.59
KRA-16M	VHF stubby antenna 148-162 MHz	13.70	9.59
KRA-16M2	VHF stubby antenna 162-174 MHz	13.70	9.59
KRA-16M3	VHF stubby antenna 136-150 MHz	13.70	9.59
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	34.25	23.98
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	42.00	29.40

BATTERIES AND CHARGERS		RETAIL	WY PRICE
KNB-32N	2500 mAh, Ni-MH battery - requires KSC-32/326K charger	87.50	61.25
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K charger	105.00	73.50
KNB-31A	1700 mAh, Ni-Cd battery - requires KSC-32/326K charger	70.00	49.00
KNB-41NC	2500 mAh, Ni-MH battery - requires KSC-32/326K charger [Intrinsically Safe Option]	136.50	95.55
KNB-43L	3300 mAh, Li-Polymer battery - requires KSC-32/326K charger	163.00	114.10
KNB-49PL	4500 mAh, Primary Lithium battery Note: Non-Rechargeable (please recycle all batteries properly) 10 year Shelf Life (approx. 1% charge degradation per year when properly stored: +50 °F to +86 °F @ less than 70% humidity)	84.00	58.80
KBP-6	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included Note: the color of the case is orange	68.50	47.95
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC 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).	70.00	49.00
KSC-326K	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	630.00	441.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75	23.63
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/32 chargers (chargers not included)	191.00	133.70
KVC-15	Rapid rate DC vehicular charger adapter for the KSC-32 (chargers not included; includes KSC-mobile bracket & cigarette lighter cable DC adapter)	119.00	83.30
KVC-18	Vehicular D.C. Charger for 5210 Portables with NiCd or NiMH Battery	446.50	312.55

CARRYING ACCESSORIES		RETAIL	WY PRICE
KBH-11	Spring action belt clip (2.5")	14.70	10.29
KBH-8DS	Leather swivel belt loop with portable D-Ring attachment	26.30	18.41
KLH-6SW	Leather swivel belt loop / detachable swivel D-Ring back	22.00	15.40
KLH-133K	Heavy duty leather carrying case for TK-5210 Basic Model	44.25	30.98
KLH-133K2	Heavy duty leather carrying case for TK-5210 Standard Model	44.25	30.98
KLH-133K3	Heavy duty leather carrying case for TK-5210 12 Keypad Model	44.25	30.98
KLH-134K	Cordura Nylon carrying case for TK-5210 Basic Model	26.30	18.41
KLH-134K2	Cordura Nylon carrying case for TK-5210 Standard Model	26.30	18.41
KLH-134K3	Cordura Nylon carrying case for TK-5210 12 Keypad Model	26.30	18.41
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	25.73

MICROPHONES & AUDIO ACCESSORIES		RETAIL	WY PRICE
KMC-38GPS	GPS Speaker Microphone (FM Conventional mode only -- does not operate in P25 modes) [Intrinsically Safe Approved Accessory] Note: FM Intrinsically Safe Approved except for Group C gases	402.50	281.75
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic [Intrinsically Safe Approved Accessory]	96.50	67.55
KMC-42WM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic [Intrinsically Safe Approved Accessory]	114.00	79.80
KMC-26	MIL-SPEC, Noise canceling Speaker mic w/Antenna Connector (ant. not incl.) [Intrinsically Safe Approved Accessory]	115.50	80.85
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics [Intrinsically Safe Approved Accessory]	52.50	36.75
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 [Intrinsically Safe Approved Accessory]	51.50	36.05
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 [Intrinsically Safe Approved Accessory]	54.75	38.33
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 [Intrinsically Safe Approved Accessory]	64.00	44.80
KCT-51	Hirose 6-pin Adapter (adapts KVL/aftermarket audio acc. to portable connector)	215.00	150.50
MICROPHONES & AUDIO ACCESSORIES - CONT'D		RETAIL	WY PRICE
KHS-11BE	2-wire palm mic w/earphone, universal connector (Beige) [Intrinsically Safe Approved Accessory]	156.50	109.55
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) [Intrinsically Safe Approved Accessory]	156.50	109.55
KHS-12BE	3-wire mini lapel mic w/earphone, universal connector (Beige) [Intrinsically Safe Approved Accessory]	184.00	128.80
KHS-12BL	3-wire mini lapel mic w/earphone, universal connector (Black) [Intrinsically Safe Approved Accessory]	184.00	128.80
KHS-14	Lt. Wt. Single muff headset w/boom mic & In-line PTT [Intrinsically Safe Approved Accessory]	126.00	88.20
KHS-15-BH	Hvy-duty noise reduction behind-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory]	420.00	294.00
KHS-15-OH	Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory]	368.00	257.60
ENVIRONMENTAL SPEC. OPTIONS		RETAIL	WY PRICE
KWD-IM10	Immersion Option Kit Must Order L-987 Note: Initial Installation Kenwood Long Beach Tuning Dept. only. To maintain immersion certification, re-certification is required every 2 years available at Kenwood Authorized Service Centers only. Call an ASC for return procedure (\$315.00 List Price)	368.00	257.60
FIRMWARE OPTIONS		RETAIL	WY PRICE
KWD-TR20	Trunking Option for TK-5210/5710 Must order L-1055 Note: KPG-95DK Requires Network Level License ID to program trunked network radio parameters (see KPG-95D for purchase restrictions & requirements) Compatible with TK-5210 Version 2 (SN 80600001 or later); TK-5310 (SN 809xxxxx or later); TK-5710 Version 2 (SN806xxxxx); TK-5810 (SN 809xxxxx or later)	875.00	612.50
KWD-RK20	OTAR Option for KWD-AE20K Encryption Module for P25 Conventional Only; models TK-5x10 (VER2; except K7) Must order: • With KWD-AE20K (SN 005xxxxx or later) • L-1108 for portable installation (no charge) Notes: • Provides OTAR on P25 Conventional only (TIA/EIA-102.AACA compliant; not for use over trunked systems) • Compatible with Motorola KMF P25 conventional OTAR • Not compatible with Motorola-proprietary (non-TIA/P25) KMF features • Not compatible with K7 64 Ch Model • Requires KPG-95D V5.40 or later for radio programming • Option deletes self-programming, cloning and analog FleetSync® (except PTT ID/Emergency) when installed. KWD-RK20 is an U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)	830.00	581.00

SOFTWARE OPTIONS		RETAIL	WY PRICE
KPG-114DE	DES Encryption Software Key Loader for KWD-DE21K/KWD-AE21K Note: KPG-114DE is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1) - See IMPORTANT NOTES -	368.00	257.60
KPG-113AE	AES/DES Encryption Software Key Loader for KWD-DE21K/KWD-AE21K Note: KPG-113AE is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A) - See IMPORTANT NOTES -	525.00	367.50
OPTION MODULES		RETAIL	WY PRICE
KWD-DE20K	DES Encryption Module for TK-5210 [Intrinsically Safe Approved Accessory] - Order L-1559 if installation is required. KWD-DE20K requires: a Motorola KVL3000 or KVL3000 Plus key loader device. KWD-DE20K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A992A) - See IMPORTANT NOTES - Other Option Board Installation: CIM-1000K-26 ANI, VGS-1 & aftermarket ANI/encryption boards cannot be installed with a KWD-DE20K or KWD-AE20K (portable option port are space limitation)	578.00	404.60
KWD-DE21K	DES Encryption Module for TK-5210/5710 Order L-1560 if installation is required Note: Requires KPG-114DE or KPG-113AE software key loader or Motorola KVL3000 Plus key loader device. KWD-DE21K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A992A) - See IMPORTANT NOTES -	578.00	404.60
KWD-AE20K	AES FIPS140-2 & DES Encryption Module for TK-5210/5710 (except K7 Portable) [Intrinsically Safe Approved Accessory] - Order L-1236 if installation is required. KWD-AE20K requires: a Motorola KVL3000 Plus key loader device. KWD-AE20K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) - See IMPORTANT NOTES -	998.00	698.60
KWD-AE21K	AES & DES Encryption Module for TK-5210/5710 (except K7 Portable) Order L-1237 if installation is required. Note: Requires KPG-113AE software key loader or Motorola KVL3000 Plus key loader device. KWD-AE21K is a U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1) - See IMPORTANT NOTES -	998.00	698.60
KCT-48VU	External Vibration Unit [Intrinsically Safe Approved Accessory] Note: Audio accessories cannot be used when this option installed. KCT-48VU does not support the P25 digital mode calling or paging features	49.00	34.30
KCT-57MS	Man-Down Internal Tilt Switch (Non-Mercury) [Intrinsically Safe Approved Accessory] - Must be Kenwood installed for I.S. Order L-1613 for CIM-1000, K-20, K-26 & L-1614 for FleetSync@/P25 Emergency operations	22.00	15.40
CIM-1000K-26	GE-Star or MDC-1200 ANI Encode 26-Pin Plug-in Board [Intrinsically Safe Approved Accessory] - Must be Kenwood installed for I.S. Must order L-1022 MDC-1200 or L-1023 for G-Star operations Note: CIM-1000K-26 G-Star@/ MDC1200 Digital ANI (26-Pin Plug-in) Boards Pre-programmed & installed boards require a completed CIM-1000K-26 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-1000K-26 boards can be ordered and shipped loose (if shipped loose, Kenwood will not program the board)	131.25	91.88
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	42.88
VGS-1	Voice Guide and Storage Unit [Intrinsically Safe Approved Accessory]	87.50	61.25
SERVICE RELATED ACCESSORIES		RETAIL	WY PRICE
KPG-95DK	Windows@ Programming Software for TK-5210/5710 Includes "Dealer Level License ID" for FM & P25 Conventional modes only. See L-989 KPG-95DK Network Level ID (Trunking System Privileges_ - Restricted Purchase Requirements. Note: A Dealer Level License ID can load network data files provided by a Network Level Licensed KPG-95DK, but cannot change trunked network parameters. KPG-95D V4.00 or later (no key loader): TK-5210/5710 VER1 & VER2 Radios (all Serial No.s) Note: A Kenwood Key Loader for VER2 radios is NOT currently available (see KWD-DE20/KWD-AE20) KPG-95D V3.11 or earlier (no key loader): TK-5210/5710 VER1 Radios (before SN 8060000) ONLY KPG-95DTKL VX.XX (includes key loader; discontinued): TK-5210/5710 VER1 Radios (before SN 8060000) ONLY	628.00	439.60
KPG-36AM	Programming interface cable	93.00	65.10
KCT-53UM	USB Adapter for KPG-xxAM DB9F Programming Interface Cables (DB9M - to - USB Type A connector)	86.00	60.20
KPG-93	TK-5210 KVL-3000/3000 Plus Interface Cable	262.50	183.75

INSTALLATION / TUNING CHARGES		RETAIL	WY PRICE
L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	17.00	11.90
L-986	Configure TK-5210-IS for Intrinsically Safe Must order an I.S. battery	100.00	70.00
L-987	Immersion Option Certification (Must purchase Immersion Option Kit, KWD-IM10 separately)	N/C	N/C
L-989	KPG-95DK Network Level ID (encrypted data file) Note: Enables Trunking system programming privileges; See KPG-95DK Network Level ID (Trunking System Privileges) - Restricted Purchase Requirements - L-989- KPG-95DK Network Level ID (Trunking System Privileges) The KPG-95D only ships with a "Dealer Level License ID" which permits Conventional FM and P25 Conventional radio programming privileges only. For radios with the P25 Trunking option installed, trunked/network programming privileges require a "Network Level License ID" generally reserved ONLY for the system owner or the system owners authorized operators/service centers. Purchasing the KPG-95DK Network Level License ID will require 1) Written verifiable authorization from the systems owner/operator. 2) The 3-digit hexadecimal P25 System ID from the system owner/operator. 3) Purchase of a L-989 : KPG-95D Network Level ID option. This option will include an encrypted KPG-95D "System Level License ID" (encrypted data file)	132.00	92.40
L-990	TK-5210 Programming (Basic TX/RX check only with factory test freq.s or dealer/customer provided KPG-95D data file)	125.00	87.50
L-1022	Install & Program CIM-1000K-26 for MDC-1200 in TK-5210	75.00	52.50
L-1023	Install & Program CIM-1000K-26 for GE-Star in TK-5210	75.00	52.50
L-1055	Install KWD-TR20 Trunking Option in TK-5210 (Must purchase KWD-TR20K separately)	N/C	N/C
L-1108	Install KWD-RK20 OTAR Option in TK-5210 (Must purchase KWD-RK20 separately)	N/C	N/C
L-1236	Install KWD-AE20K in TK-5210 Portables (Must purchase module separately)	75.00	52.50
L-1237	Install KWD-AE21K in TK-5210 Portables (Must purchase module separately)	75.00	52.50
L-1559	Install KWD-DE20K in TK-5210 Portables (Must purchase module separately)	75.00	52.50
L-1560	Install KWD-DE21K in TK-5210 Portables (Must purchase module separately)	75.00	52.50
INSTALLATION / TUNING CHARGES - CONT'D		RETAIL	WY PRICE
L-1613	5210 Portable KCT-57MS Installation (for CIM-1000K-26)	20.00	14.00
L-1614	5210 Portable KCT-57MS Installation (for P25/FleetSync®)	20.00	14.00

-- IMPORTANT NOTES --

Encryption modules, key loaders and radios containing encryption are export controlled by the U.S. Department of Commerce Bureau of Industry & Security EAR regulations and may either require an Export License, are eligible for a License Exception (ENC) or are exportable with No License Required (NLR) depending on the country, the consignee and the intended use. High level encryption is a special commodity that may require an export license to most countries. See www.bis.gov for more information regarding export regulations. DO NOT SHIP encryption items outside the U.S. without proper DOC/BIS Export Licenses and/or compliances.

Kenwood may request the following information to be submitted at time of order (this information must meet Kenwood internal approvals prior to shipment even if being returned to Kenwood later:

- a) **Initial Destination:** Initial delivery point if different from Ultimate Destination (customer distribution center, headquarters, dealership, manufacturer's representative)
 - * Business/Agency Name:
 - * Address:
 - * Contact Person Name:
 - * Contact Phone:
- b) **Ultimate Destination:** Final delivery point(s); deployment/distribution
 - * Business/Agency Name:
 - * Address:
 - * Contact Person Name:
 - * Contact Phone:
- c) **Intended Use of Radios:** Law enforcement, security, operations, etc.

KWD-AE20 AES FIPS140-2 SCM , NIST Validation & Customer Shipping

A secure delivery method direct to the end user customer is required by the NIST AES FIPS 140-2 validation rules. For U.S. Federal Government entities the SCM must ship from Kenwood USA Corporation directly to the end user customer by a trusted carrier (FEDEX, UPS or a designated Kenwood USA Corporation employee); shipping/handling by a dealer or other entity is not acceptable. This may or may not be required by local/state government agencies or business/industrial users. Please check with the end user customer about their AES encryption handling requirements before ordering. Kenwood will not be responsible for shipments of KWD-AE20K modules to erroneous destinations specified on an order.