

KENWOOD

P25 Mission Critical

TK-5730/5830/5930

VHF • UHF • 700/800 MHz • P25 PHASE 1 & 2 • FM ANALOG



Control Head – Dash/Remote



Full Featured Control Head – Remote

Round-the-clock public safety operations can be extremely demanding for both personnel and equipment. The reliable TK-5x30 mobile radios offer clear mission critical communications for police, fire and EMS.

FEATURES

- Digital operation in P25 Phase 1 & 2
- P25 Phase 1 Conventional/Trunked Operation (standard)
- Mixed Digital, FM Analog Operation allows intelligent migration in mixed sites & with digital radios in other sites
- Large, color LCD display: Full Featured – 2.75" (400 x 240 pixels); Basic – 2.55" (422 x 154 pixels)
- Easy to follow GUI & Multi-line Text
- Dual Remote Control Head Option & Multi RF Deck Options
- Built-In GPS Receiver for effective fleet management
- Bluetooth® Module built-in for hands-free operation
- Active Noise Cancelling utilizes built in DSP with 2 microphones for suppression of ambient noise (dual-mic)
- IP54/55 and MIL-STD-810 C/D/E/F/G
- Maximum of 4,000 CH/Radio capacity, 512 CH/Zone, 128 Zones
- DB-25 Accessory Connector

FM MODES - GENERAL

- Conventional & LTR Zones
- MDC-1200: PTT ID ANI / Caller ID Display, Emergency, Radio Check / Inhibit
- QT/DQT & Two Tone

DIGITAL - P25 MODE

- P25 Phase 1 Conventional/Trunked Operation (standard)
- P25 Phase 2 Trunked Operation
- AMBL+2™ Enhanced Vocoder
- Talk Group ID Lists
- Individual ID Lists
- Caller ID Display
- Remote Monitor/Remote Check
- Radio Inhibit
- Encryption Key Zeroize & Retention
- P25 GPS Location
- P25 Over-the-Air-Rekeying
- Over-the-Air Programming¹

MULTIPLE CONFIGURATIONS (OPTION)

The TK-5x30 series allows users to create a variety of configurations to suit different requirements by combining different options.

- **Single Remote Control Head/Single RF Deck:**
Mobile is controlled by a remote control head.
- **Single Remote Control Head/Multi RF Decks:**
Operate multiple (up to 3) radio decks from single control head.
- **Dual Remote Control Heads/Single RF Deck:**
One controller can be mounted on the dashboard with the other control head remotely mounted (such as the back of an ambulance or fire apparatus).
- **Dual Remote Control Heads/Multi RF Decks:**
This adds the convenience of a dual control head to the above configuration so 2 operators can control up to 3 radios from separate control heads.

ACCESSORIES

Complete line of accessories including microphones, speakers & antennas. *Download the accessory catalog at www.efjohnson.com/products/accessories.*



¹Requires OTAP management software.

Radio - Base Model	List Price	MS Two-Way Radio EPL	Discount
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TK-5730BF	VHF (136-174MHz), 50 Watts Analog,P25 Conventional, P25 Phase I Trunking RF Deck Only (No KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable)	\$ 1,345.00	\$ 1,076.00	20%
TK-5830BF	UHF (450-520MHz), 45 Watts Analog,P25 Conventional, P25 Phase I Trunking RF Deck Only (No KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable)	\$ 1,345.00	\$ 1,076.00	20%
TK-5830BF2	UHF (380-470MHz), 45 Watts Analog,P25 Conventional, P25 Phase I Trunking RF Deck Only (No KCH-19 Control Head, KMC-35	\$ 1,345.00	\$ 1,076.00	20%
TK-5930BF	7/800, 45 Watts, Analog, P25 Conventional, P25 Phase I Trunking RF Deck Only (No KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable)	\$ 1,445.00	\$ 1,156.00	20%
Licensing System		List Price		List
KPT-300LMC is a required software package that is used to authenticate software (FPU) and radio feature license keys for the TK-5x30 Series radios.				
KPT-300LMC	License Management Client	\$ -	\$ -	\$ -
L-5000	KPT-300LMC License Key	\$ -	\$ -	\$ -
Software Licensing Options		List Price		List
Note: A unique license key is required for each PC with software installed. A single license key will not authorize multiple PCs.				
KPG-D1NK	License Key for KPG-D1NK Programming Software for TK-5x30 Portable/Mobile (Windows® Vista/7/8/8.1) Note: Requires KPT-300LMC for authentication	\$ 155.00	\$ 124.00	20%
P25 Trunked Programming Capability (licensed by either 1 or 2 below):				
1. USB Key Type: Advanced System Key (ASK)- See KWD-ASK-MK and AK				
2. Software Key Type: System Key File (SKF)- See L-5005				
KPG-180AP	OTAP Manager Software • License includes 50 radios • To add more radios / serial ports, you must contact EF Johnson Technologies (1-800-328-3911 Option 1) Note: Requires KPT-300LMC for authentication	\$ 884.00	\$ 707.20	20%
KAS-12K	License Key for KAS-12 Battery Reader Software for KNB-L1/2/3/ & KSC-Y32 (Windows® Vista/7/8/8.1) Note: Requires KPT-300LMC for authentication	\$ -	\$ -	\$ -
License Keys	Software License Key Discount Structure: 1 License Key - 2-4 License Keys 10% Off 5-14 License Keys 35% Off 15-24 License Keys 40% Off 25+ License Keys 45% Off	\$ -	\$ -	\$ -
Radio Feature License Options		List Price		List

PCs registered under the same KPT-300LMC Account Registration Key (License Key) will be able to authentic Radio Features that can then be viewed / shared / managed by all registered users for the account.

Note: Radio Feature License Keys can be transferable from a radio to radio within 72 hours count started from being authenticated to a Radio. Once license transferred radio is authenticated by KPT-300LMC, 72 hours is reset and count started from first.

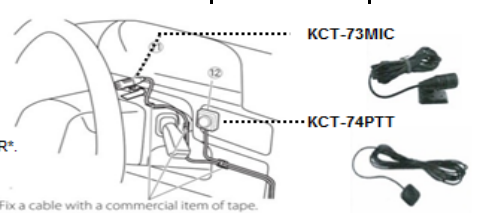
L-5000	Account Registration Key Note: specify the number of PC's used for Radio Feature License Activation.	\$ -	\$ -	\$ -
General Radio Features				
KWD-5000CH	License Key for 4000 Channel Expansion	\$ 420.00	\$ 336.00	20%
KWD-5001FP	License Key for Front Panel Programming	\$ 300.00	\$ 240.00	20%
KWD-5002SD	License Key for microSD Memory Card Slot Activation	\$ 105.00	\$ 84.00	20%
P25 Radio Features				
KWD-5100CV	License Key for P25 Conventional	\$ -	\$ -	\$ -
KWD-5101TR	License Key for P25 Phase 1 Trunking (requires KWD-5100CV)	\$ -	\$ -	\$ -
KWD-5102TR	License Key for P25 Phase 2 Trunking (requires KWD-5100CV & KWD-5101TR)	\$ 400.00	\$ 320.00	20%
KWD-5103RK	License Key for P25 OTAR (requires KWD-5106DT for a Trunking Operation)	\$ 700.00	\$ 560.00	20%
KWD-5105VT	License Key for P25 Conventional Voting Scan	\$ 120.00	\$ 96.00	20%
KWD-5106DT	License Key for P25 Packet Data (required for Trunked OTAR/GPS/Text)	\$ 180.00	\$ 144.00	20%
Dash or Remote Configuration (Firmware Release 1.5 or Later required)		List Price		List
TK-5730BF	TK-5730F (50W, 136-174 MHz) RF Deck Only (No KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable)	\$ 1,345.00	\$ 1,076.00	20%
TK-5830BF	TK-5380F (45W, 450-520 MHz) RF Deck Only (No KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable)	\$ 1,345.00	\$ 1,076.00	20%
TK-5830BF2	TK-5380F2 (45W, 380-470 MHz) RF Deck Only (No KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable)	\$ 1,345.00	\$ 1,076.00	20%
TK-5930BF	7/800, 45 Watts, Analog, P25 Conventional, P25 Phase I Trunking - RF Deck Only (No KCH-19 Control Head, KMC-35 Microphone, KMB-33 Bracket, KCT-23 DC Cable)	\$ 1,445.00	\$ 1,156.00	20%
KCH-19M	Basic Control Panel	\$ 180.00	\$ 144.00	20%
KCH-20RM	Full Featured Remote Control Panel Note: Remote configuration only. No Internal Speaker included. KES-5/3 is required.	\$ 600.00	\$ 480.00	20%
KRK-14HM	Control Head Interface Kit for KCH-19M	\$ 159.00	\$ 127.20	20%
KRK-15BM	Control Head Remote Kit for a RF Deck	\$ 50.00	\$ 40.00	20%
KCT-71M2	Remote Control Cable (17 feet)	\$ 70.00	\$ 56.00	20%
KCT-71M3	Remote Control Cable (25 feet)	\$ 80.00	\$ 64.00	20%
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug)	\$ 52.50	\$ 42.00	20%

KMC-36	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	\$ 94.50	\$ 75.60	20%
KMB-33M	Standard Mounting Bracket (same as supplied)	\$ 14.00	\$ 11.20	20%
KES-3S	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	\$ 44.25	\$ 35.40	20%
KES-5	External speaker, 40W max input Note: requires KAP-2 (PA/HA unit) or KCT-72M (connection cable) installed.	\$ 61.25	\$ 49.00	20%
KAP-2	Horn Alert/P.A. Relay Option	\$ 63.00	\$ 50.40	20%
KCT-72M	Accessory Connection Cable for KCH-20RM	\$ 36.70	\$ 29.36	20%
KCT-23M3	DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	\$ 34.75	\$ 27.80	20%

Single Remote Control Configuration



Mobile Installation Accessories		List Price		List
KAP-2	Horn Alert/P.A. Relay Option	\$ 63.00	\$ 50.40	20%
KCT-23M	DC Cable (35-50W Dash mount; pos/neg. 10 ft. leads)	\$ 31.50	\$ 25.20	20%
KCT-23M3	DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	\$ 34.75	\$ 27.80	20%
KCT-46	Ignition sense cable (plugs directly into mobile chassis ignition sense line)	\$ 13.70	\$ 10.96	20%
KLF-2	Line Filter (suppresses alternator whine, 25dB, 25A max).	\$ 42.00	\$ 33.60	20%
KMB-10	Key lock adapter	\$ 26.30	\$ 21.04	20%
KMB-33M	Standard Mounting Bracket (same as supplied)	\$ 14.00	\$ 11.20	20%
KPS-15	DC Switching Power Supply (117/230 VAC; 23A max. continuous, 25A peak)	\$ 173.00	\$ 138.40	20%
KRA-40GM	GPS Antenna	\$ 42.00	\$ 33.60	20%
Microphones & Speakers		List Price		List
KMC-35	MIL-SPEC Standard electret mobile microphone (8-pin mod. plug) - same as supplied	\$ 52.50	\$ 42.00	20%
KMC-36	MIL-SPEC Standard electret mobile microphone with 12 keypad (8-pin mod. plug)	\$ 94.50	\$ 75.60	20%
KMC-9C	Control Station Desktop Microphone (8-pin mod. plug) Note: NOT compatible in a TDMA operation	\$ 86.00	\$ 68.80	20%

KES-3	External speaker (compact low profile; black case; 3.5 mm phono plug-in)	\$ 44.25	\$ 35.40	20%
KES-5	External speaker, 40W max input Note: requires KAP-2 (PA/HA unit) installed	\$ 61.25	\$ 49.00	20%
KCT-73MIC	External Microphone kit w/ 9.8 ft. cord for Safer Driving	\$ 27.00	\$ 21.60	20%
KCT-74PTT	External PTT Switch kit w/ 9.8 ft cord for Safer Driving	\$ 23.00	\$ 18.40	20%
<p>Hands-free operation</p> <p>To promote driver safety and meet hands-free regulations in certain regions, TK--5x30 series mobile offers external microphone and PTT as options.</p> <p>NOTE: Connecting to the radio via DB25 terminal on backside of RF Deck or via optional KCT-72 "Connection Cable" on backside of KCH-19M and KCH-20R*. KCT-73MIC is not compatible with other NX/TK-mobile radios.</p> <p>*Available in 2015 3Q</p> 				
Encryption Modules		List Price		List
KWD-AE30K	AES FIPS140-2 & DES Encryption Module (Multi-Key) Order a Labor Code L-5003 if installation is required. KWD-AE30K requires: a Motorola KVL3000 Plus/4000 key loader device. KWD-AE30K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1)	\$ 850.00	\$ 680.00	20%
KWD-AE31K	AES & DES Encryption Module (Multi-Key) Order a Labor Code L-5004 if installation is required. Note: Requires KPG-AE1/DE1 software key loader or Motorola KVL3000 Plus/4000 key loader device. KWD-AE31K is an U.S. DOC/BIS Export Controlled Item (ECCN 5A002A.1)	\$ 550.00	\$ 440.00	20%
KPG-AE1K	AES/DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-AE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D002A)	\$ 525.00	\$ 420.00	20%
KPG-DE1K	DES Encryption Software Key Loader for KWD-AE31K Authentication by KPT-300LMC is required Note: KPG-DE1 is a U.S. DOC/BIS Export Controlled Item (ECCN 5D992A.1)	\$ 368.00	\$ 294.40	20%
Service Related Accessories		List Price		List
KPG-46XM	Full Speed USB Programming interface cable	\$ 158.50	\$ 126.80	20%
KPG-115	Key Loader Interface Cable for Motorola KVL-3000/3000 Plus	\$ 262.50	\$ 210.00	20%
KPG-115AUT	KVL-4000 Radio Authentication Cable	TBD		

KWD-ASK-AK	<p>Access Key for KPG-D1NK P25 trunked programming</p> <p>Notes: Enables P25 Trunked system programming privileges in a KPG-D1NK.</p> <ul style="list-style-type: none"> • For TK-5x30 series only • Must be activated by trunked system operator (SYSOP) with KWD-ASK-MK Master Key • Must have KPG-D1NK • Configurable expiration period of KWD-ASK-AK set by KWD-ASK-MK is available for 3 years for built in battery. USB Key must be replaced since the expiration set up dose not work after 3 years. 	\$ 208.00	\$ 166.40	20%
KWD-ASK-MK	<p>Master Key for activating KWD-ASK-AK Access Keys</p> <p>- Restricted Purchase Requirements -</p> <p>Notes:</p> <ul style="list-style-type: none"> • For TK-5x30 series only. • Sold to trunked system operator (SYSOP) or SYSOP authorized entities only • Must have KPG-D1NK • SYSOP must provide 3-digit HEX HSID to Kenwood with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Purchase KWD-ASK-AK Access Keys if needed. 	\$ 500.00	\$ 400.00	20%
Installation/Tuning Charges		List Price		List
L-5006	TK-5730/5830 Programming (with basic TX/RX check)	\$ 37.50	\$ 30.00	20%
L-5007	Install KWD-AE30K in TK-5x30 series Mobile (Must purchase module separately)	\$ 75.00	\$ 60.00	20%
L-5008	Install KWD-AE31K in TK-5x30 series Mobile (Must purchase module separately)	\$ 75.00	\$ 60.00	20%
L-5005	<p>KPG-D1NK System Key File (SKF)</p> <p>Note: Enables P25 Trunked system programming privileges in a KPG-D1NK.</p> <p>- Restricted Purchase Requirements -</p> <ul style="list-style-type: none"> • Trunked system operator (SYSOP) must provide 3-digit HEX HSID to EF Johnson with P25 Trunking System Keys Request Form placed on Kenwood Tools. • Must have KPG-D1NK. • EF Johnson ships an encrypted *.SKF file via E-Mail to the address provided on the P25 Trunking System Keys Request Form placed on Kenwood Tools. • Non-SYSOP entities ordering L-5005 must provide verifiable written authorization from SYSOP to receive an *.SKF file. • 3-digit HEX HSID are securely encrypted & embedded in the *.SKF file. 	\$ 132.00	\$ 105.60	20%
L-5015	Install KAP-2 (Default) HR1/Internal Sp./PA	\$ 25.00	\$ 20.00	20%
L-5016	Assemble TK-5x30 Mobile for Single Remote Head Control	\$ 42.00	\$ 33.60	20%

L-5020	KCT-71 Extended Control Head Cable (up to 50 ft. max.) Note: Please specify exact length at 1ft. increments when ordering. Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.	\$ 190.00	\$ 152.00	20%
L-5021	KCT-71 Extended Control Head Cable (up to 100 ft. max.) Note: Please specify exact length at 1ft. increments when ordering. Caution: Extended control head cables exhibit a loss in speaker audio power to the control heads.	\$ 245.00	\$ 196.00	20%

-- 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.**

The following information may be requested to be submitted at time of order (this information must meet internal approvals prior to shipment even if being returned 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 use 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.