

TK-2140 / 3140

VHF/UHF Trunking / Conventional Compact Portable Radios



All 140 series portables include:

- Belt Clip (KBH-12)
- Universal Connector Cap
- Instruction Manual
- Premium Warranty: 3 Years*

* All Accessories / options: 1 Year

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

GENERAL FEATURES

- 5 W (136-174 MHz)
- 4 W (450-490, 470-512, 400-430 MHz)
- 32 Conventional & LTR® Systems
- 10 Character Alphanumeric Aliases
- Lighted Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 2 Side PF Keys
- Orange Emergency / AUX Key
- 500 mW Speaker Audio
- Companded Audio
- Emergency Call Features
- DTMF Encode / Decode
- Time Out Timer
- Busy Channel Lockout
- LCD Battery Status Indicator
- Low Battery Alert
- Battery Saver
- Weather-sealed ACC Connector
- MIL-Spec Speaker Mic Option
- 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*

CONVENTIONAL SYSTEMS

- 250 Channels
- QT / DQT
- Two-Tone Decode
- Operator Selectable Tone
- Single Priority Scan
- Single & Multi-Group Scan

TRUNKED SYSTEMS

- 250 GID
- Kenwood LTR® Features

FleetSync®

- PTT ID Digital ANI
- Selective Call & Group Call
- Status Messaging
- Emergency Status
- Caller ID Display
- Short Text Messages

--- Must Order **L-942** for Intrinsically Safe Option ---
* Approved for Classes I, II & III, Div. 1, Groups A, B, C, D, E, F, G hazardous locations and Non-Incendive Class I, Div. 2, Groups A, B, C & D hazardous locations.

| PACKAGES | | LIST |
|-----------------|--------------------------------------------------------------|-------------|
| TK-2140K-AKP | VHF Standard Package (TK-2140 + KNB-25A + KSC-30 + KRA-26M) | 689.25 |
| TK-2140K-LKP | VHF Premium Package (TK-2140 + KNB-35L + KSC-25 + KRA-26M) | 767.00 |
| TK-3140K-AKP | UHF Standard Package (TK-3140K + KNB-25A + KSC-30 + KRA-27M) | 707.25 |
| TK-3140K-LKP | UHF Premium Package (TK-3140K + KNB-35L + KSC-25 + KRA-27M) | 785.00 |

| RADIO | | LIST |
|--------------|----------------------------------------------|-------------|
| TK-2140 | 136-174 MHz 5W, LTR-32 Systems, CONV-250 CH. | 593.00 |
| TK-3140K | 450-490 MHz 4W, LTR-32 Systems, CONV-250 CH. | 611.00 |
| TK-3140K2 | 470-512 MHz 4W, LTR-32 Systems, CONV-250 CH. | 611.00 |
| TK-3140K3 | 400-430 MHz 4W, LTR-32 Systems, CONV-250 CH. | 611.00 |

| 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 |

| ANTENNAS - CONT'D | | LIST |
|--------------------------|---------------------------------------------|-------------|
| 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 |
| 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 low-profile helical antenna 148-162 MHz | 13.70 |
| KRA-22M2 | VHF low-profile helical antenna 162-174 MHz | 13.70 |
| KRA-22M3 | VHF Low-profile helical antenna 136-150 MHz | 13.70 |
| KRA-23M | UHF low-profile helical antenna 450-490 MHz | 13.70 |
| KRA-23M2 | UHF low-profile helical antenna 470-512 MHz | 13.70 |
| KRA-23M3 | UHF low-profile helical antenna 403-430 MHz | 13.70 |

| BATTERIES AND CHARGERS | | LIST |
|-------------------------------|--------------------------------------------------------------------------------------------------------|-------------|
| KBP-5 | AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included | 49.00 |
| KNB-25A | 1200 mAh, Ni-Cd battery | 50.75 |
| KNB-26N | 2000 mAh, Ni-MH battery | 70.00 |
| KNB-35L | 1950 mAh, Li-ion battery - requires KSC-25/256K charger | 98.00 |
| KNB-40LC | 1950 mAh, Li-ion battery - requires KSC-25/256K charger [Intrinsically Safe Option] | 112.00 |
| KSC-25 | 110 volt Rapid rate single unit charger for KNB-25A/26N/35L/40LC | 62.00 |
| KSC-25E | 220 volt Rapid rate single unit charger for KNB-25A/26N/35L/40LC | 62.00 |
| KSC-30 | 110 volt Regular rate single unit charger for KNB-25A/26N | 31.50 |
| KSC-30E | 220 volt Regular rate single unit charger for KNB-25A/26N | 31.50 |
| KSC-256K | Rapid rate 6-Unit charger for KNB-25A/26N/35L/40LC | 630.00 |
| KMB-30M | Wall Mount Bracket for KSC-326K/256K | 33.75 |
| 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 |

| CARRYING ACCESSORIES | | LIST |
|-----------------------------|-------------------------------------------------------------|-------------|
| KBH-12 | Spring action belt clip | 8.35 |
| KBH-13DS | Leather swivel belt loop with portable D-Ring attachment | 28.85 |
| KLH-114 | Soft leather case for TK-2140/3140 | 44.25 |
| KLH-116 | Heavy-Duty Leather Case w/Swivel Belt Loop for TK-2140/3140 | 49.00 |
| KWR-1 | Water resistant bag | 29.85 |

| 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] | 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] | 96.50 |

| MICROPHONES & AUDIO ACCESSORIES - CONT'D | | LIST |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| KMC-41M | MIL-SPEC, IP54/55 Noise-canceling Speaker Mic | 96.50 |
| KMC-42WM | MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic Important Note: Portable radio does not have an IP67 Immersion option; meets MIL STD810 rain standards | 114.00 |
| 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] | 420.00 |
| KHS-15-OH | Hvy-duty noise reduction over-the-headset w/noise cancelling boom mic & in-line PTT [Intrinsically Safe Approved Accessory] | 368.00 |

| SERVICE RELATED ACCESSORIES | | LIST |
|------------------------------------|-----------------------------------------------------------------------------------------------|-------------|
| 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-74DK | Windows® Programming Software for TK-2140/3140 portable | 103.25 |

| INSTALLATION / TUNING CHARGES | | LIST |
|--------------------------------------|------------------------------------------------------------------------------------|-------------|
| L-836 | Assemble KMB-16 with six KSC-25 | 15.00 |
| L-961 | Assemble KMB-23 with six KSC-24/25/32 (Rapid Rate, 120 Volt versions only) | 17.00 |
| L-924 | TK-2140/3140 Programming (with basic TX/RX check) | 25.00 |
| L-942 | Configure TK-2140/3140 for Intrinsically Safe Must order an I.S. battery | 70.00 |

FleetSync® for TK-2140/3140 Series Portables

LIST

This radios firmware includes both FleetSync® Basic and Enhanced feature sets. However, the "FleetSync® Enhanced" features must be "activated" in the radio by purchasing the FleetSync Enhanced Option.

FleetSync® Basic Features - "Basic" features are available in each radio as shipped from Kenwood (no activation is required). The entire Basic feature set is designed to operate between other FleetSync® capable base and fleet radios. Some Basic feature sets require a base dispatch PC application software and/or dispatch hardware device for practical dispatch operations.

- 1) **PTT ANI** - digital ANI sent on each PTT using the FleetSync® ID.
- 2) **Caller ID / Caller ID Stack** - decodes an incoming PTT ID and displays the caller alphanumeric tag; Caller ID Stack stores the last 3 calls for review.
- 3) **Selective Call** - allows base-to-fleet and fleet-to-fleet selective calling via a pre-stored 100 ID list. Each ID can have an 16 character alphanumeric tag for easy selection and Caller ID recognition.
- 4) **Status Messaging** - provides up to 50 pre-stored sixteen-character alphanumeric messages permitting a base to send a larger variety of job-type messages and fleet radios to display and respond accordingly with complimentary acknowledgements. Includes special reserved statuses for: Emergency, Emergency Man-down, Emergency Mode Off, Horn Alert (mobiles) and Radio Stun/Acknowledge/Resurrect statuses.

FleetSync® Enhanced Option Features - The FleetSync® Enhanced Option must be "activated" in the radio at an extra charge by ordering labor code L-928 for a Kenwood install or by ordering the appropriate quantities of L-925/926/927, SRB08698 and KPG-65ED dealer field retrofit options. This enables the following enhanced features in addition to the Basic feature set:

- 5) **PC Serial Control (mobiles only)** - PC Serial Interface enables mobile COM port I/O serial data line for communications between an FleetSync®-capable mobile radio and a FleetSync®-compatible PC application software or a peripheral device (e.g. KDS-100).
- 6) **Short Text Messaging** - decodes, stores and displays up to four 48-character Short Text messages
- 7) **Long Text Messaging (mobiles only)** - decodes and stores one 1024-character message for output to an external MDT or decode-display device.
- 8) **FleetSync®-AVL (mobiles only)** - embeds GPS NMEA information in FleetSync® data packets and sends them to a base/control station interfaced with a FleetSync®-AVL compatible software.

To program all 140-Series radio parameters (including FleetSync® parameters):

| | | |
|----------|-----------------------------------------------------------------------------------------------|--------|
| 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-74DK | Windows® Programming Software for TK-2140/3140 portable | 103.25 |

Kenwood Installed FleetSync® Enhanced Option

| | | |
|-------|----------------------------|-------|
| L-928 | FleetSync® Enhanced Option | 50.00 |
|-------|----------------------------|-------|

Dealer Installed FleetSync® Enhanced Options

Note: Instead of L-928, options L-925/926/927; SRB08698 Hardware Key and KPG-65ED can be purchased for dealer field installation of the FleetSync® Enhanced option

| | | |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| L-925 | FleetSync® Enhanced Option (field retrofit) for 140-series; Price each for qty. 1-24 | 50.00 |
| L-926 | FleetSync® Enhanced Option (field retrofit) for 140-series; Price each for qty. 25-99 | 50.00 |
| L-927 | FleetSync® Enhanced Option (field retrofit) for 140-series; Price each for qty. 100+ | 50.00 |
| SRB08698 | Hardware Key Note: SRB08698 hardware key holds also 100 ESN's maximum; multiple keys must be purchased for orders over 100. The SRB08698 hardware key requires L-925, 926, or 927 options to be loaded into it. The hardware key requires the KPG-65ED to activate FleetSync® Enhanced Options in a 40-Series radio. The SRB08698 hardware key can be returned when empty for 50% credit. Call the LMR order desk for an RMA#. Credit will NOT be issued for the L-925/926/927 options. | 87.50 |
| KPG-65EDK | FleetSync® Enhanced Option Installation Software Note: Required for L-925/926/927 & SRB08698 use. This software is re-usable on future orders of L-925/926/927 The KPG-65ED is a one-time order and may be re-used on future orders of L-925, 926, or 927. The SRB08698 hardware key must be installed on the PC parallel port for the KPG-65ED to operate. | 10.50 |

PassPort® for TK-2140/3140 Series Portables

LIST

PassPort® Options for NEW Radio Orders (Kenwood-installed)

Ordering Instructions

For TK-2410/3140 new radio orders, the Kenwood-installed PassPort® ESN / firmware option is no charge: Order the PassPort® ESN/Firmware option L-971 for each PassPort® radio.

Other required items:

KPG-98D Radio Programming Software: The KPG-98D programs PassPort®, LTR and Conventional modes. The KPG-98D is ONLY for programming a 140-Series portable with the PassPort® option installed and should NOT be used to program a standard LTR/Conventional 140-Series portable (use the KPG-74D).

| | | |
|----------|-----------------------------------------------------------------------|-------|
| KPG-98DK | PassPort® Programming software for TK-2140/3140 portables | 68.50 |
| L-971 | Install PassPort® ESN option and firmware for new TK-2140/3140 orders | 0.00 |

PassPort® Options for Dealer/Operator Field Conversions (Field-installation kits)

Ordering Instructions

1. Order the ESN key/firmware Labor Code options: L-892, L-893 or L-894; specify model radio(s).

Pre-loaded ESN hardware key(s) with the ordered quantities of ESN's and a PassPort® radio firmware diskette will be shipped (100 ESN's maximum per hardware key).

Important: Any depleted key previously registered to a technicians computer must be retained to register any new purchased key to the computer; please retain the old key until the new one is received.

2. Other required items:

a. KPG-64D PassPort® ESN Installation Software: This software is re-usable on subsequent orders of ESN hardware key options purchases.

b. KPG-98D Radio Programming Software: The KPG-98D programs PassPort®, LTR and Conventional modes. The KPG-98D is ONLY for programming a 140-Series portable with the PassPort® option installed and should NOT be used to program a standard LTR/Conventional 140-Series portable (use the KPG-74D).

Note: Sales of L-892, 893, 894 are NOT refundable. Purchaser has a 72 hour limit after receipt to report suspected hardware key defects or ESN shortages to Kenwood engineering, Suwanee office 678-474-4700

| | | |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| L-892 | PassPort® ESN Options & PassPort® firmware disk (SPECIFY RADIO MODEL) · 1-24 qty. lot price; Price is per ESN | 68.00 |
| L-893 | PassPort® ESN Options & PassPort® firmware disk (SPECIFY RADIO MODEL) · 25-99 qty. lot price; Price is per ESN | 68.00 |
| L-894 | PassPort® ESN Options & PassPort® firmware disk (SPECIFY RADIO MODEL) · 100 qty lot price; Price is per ESN · Maximum 100 ESN options per hardware key | 68.00 |
| SRB08698 | Hardware Key (Maximum 100 ESNs per hardware key) - requires KPG-64D to download PassPort® ESN options into an 80-Series radio. Note: 1)The hardware key is registered to the computer that it is first used on; it cannot be used on other computers. 2) Empty hardware keys can be returned for 50% credit; call the LMR order desk for RMA #. 3) Retain depleted keys until a new one is received. It will be required to register the new key to the same computer. | 87.50 |
| KPG-64DK | PassPort® ESN Field Installation Software | 10.50 |
| KPG-98DK | PassPort® Programming software for TK-2140/3140 portables | 68.50 |