

## TK-2180 / 3180 MPT

### VHF/UHF MPT 1327 Trunked Portable Radios



**GENERAL FEATURES**

- 5 W (136-174 MHz) Models
- 5 W (450-520, 400-470 MHz) Models
- 12 Character Alphanumeric Aliases
- Lighted Dot Matrix LCD
- 3-Digit Sub-Display
- Function / Status LCD Icons
- Display Customization
- RSSI Indicator
- Date & 12/24 Hour Time Clock
- Transmit / Busy / Call Alert / Warn LED
- 4 Front Panel PF keys
- 2 Side PF Keys
- Orange Emergency / AUX Key
- 12-Key DTMF / PF Keypad
- 500 mW Speaker Audio
- Voice Inversion Scrambler Built-in
- Enhanced Kenwood Audio
- Encryption Board Control
- Easy Option Port
- VGS-1 Voice Guide / Storage Option
- DTMF Manual Encode
- LCD Battery Status Indicator
- Low Battery Alert
- Weather-sealed ACC Connector
- MIL-Spec Speaker Mic Option
- Windows® Programming & Tuning
- Windows® Firmware Uploading
- Front Panel Test/Tune
- MIL-STD-810 C/D/E/F
- MIL-STD "Driven-Rain"
- IP-54/55 Water & Dust Intrusion
- Factory Mutual I.S. Option\*

**CONVENTIONAL MODE**

- 32 Channels
- 12.5/25 kHz CH Spacing (per CH)
- QT / DQT Encode & Decode
- Normal Scan (No Priority)
- Scan Delete / Add
- Companded Audio (per CH)
- Time Out Timer
- Busy Channel Lockout (per CH)

**TRUNKED MODE**

- 8 Network Capacity
- Multi-Site Network Trunking
- Single-Site Trunking
- Network Roaming / Registration
- 12.5/25 kHz Spacing (per network)
- Individual Call ("Private Calling")
- Group Call
- Broadcast Call
- Inter-fleet Calling
- Inter-Prefix Calling
- PTT Initiate Call
- PSTN/PABX Call
- Priority Call
- Emergency Call
- Pre-emptive Emergency
- Emergency Man-Down Option
- Full Off Air Call Setup
- Network Call Queuing
- Call Prioritization
- Queue Incoming Calls
- Electronic Serial Number (ESN)
- 250 Call and Group Address List
- Group Scan
- Home Address
- Direct Address

**All 180 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.

\* Approved for Classes I, II & III, Div. 1, Groups C, 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.

PACKAGES	<i>* The 2% Radio Package Discount applied to Dealer Cost</i>	LIST
<b>Must Order MPT OPTION ( L-1012 )</b>		
L-1012	Install MPT option in 180-Series radio	16.67
TK-2180K-NKP	VHF NiMH Battery Package (TK-2180K + KNB-32N + KSC-32 + KBH-11)	700.50
TK-2180K-LKP	VHF Li-Ion Battery Package (TK-2180K + KNB-33L + KSC-32 + KBH-11)	718.00
TK-2180K-AKP	VHF NiCd Battery Package (TK-2180K + KNB-31A + KSC-32 + KBH-11)	683.00
TK-3180K-NKP	UHF NiMH Battery Package (TK-3180K + KNB-32N + KSC-32 + KBH-11)	717.50
TK-3180K2-NKP	UHF NiMH Battery Package (TK-3180K2 + KNB-32N + KSC-32 + KBH-11)	717.50
TK-3180K-LKP	UHF Li-Ion Battery Package (TK-3180K + KNB-33L + KSC-32 + KBH-11)	735.00
TK-3180K2-LKP	UHF Li-Ion Battery Package (TK-3180K2 + KNB-33L + KSC-32 + KBH-11)	735.00
TK-3180K-AKP	UHF NiCd Battery Package (TK-3180K + KNB-31A + KSC-32 + KBH-11)	700.00
TK-3180K2-AKP	UHF NiCd Battery Package (TK-3180K2 + KNB-31A + KSC-32 + KBH-11)	700.00

<b>RADIO</b>		<b>LIST</b>
TK-2180K	136-174 MHz 5W, 512 CH / 128 Zone CONV-& LTR	543.00
TK-2180K2	136-174 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF keypad	595.00
TK-3180K	450-520 MHz 5W, 512 CH / 128 Zone CONV-& LTR	560.00
TK-3180K3	450-520 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF Keypad	613.00
TK-3180K2	400-470 MHz 5W, 512 CH / 128 Zone CONV-& LTR	560.00
TK-3180K4	400-470 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF Keypad	613.00

<b>FACTORY MUTUAL (FM) APPROVED MODELS</b>	<b>LIST</b>
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**Must Order L-994 & an Intrinsically Safe Battery per radio**

TK-2180-ISK	136-174 MHz 5W, 512 CH / 128 Zone CONV-& LTR	543.00
TK-2180-ISK2	136-174 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF keypad	595.00
TK-3180-ISK	450-520 MHz 5W, 512 CH / 128 Zone CONV-& LTR	560.00
TK-3180-ISK3	450-520 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF Keypad	613.00
TK-3180-ISK2	400-470 MHz 5W, 512 CH / 128 Zone CONV-& LTR	560.00
TK-3180-ISK4	400-470 MHz 5W, 512 CH / 128 Zone CONV-& LTR with DTMF Keypad	613.00

<b>ANTENNAS</b>	<b>LIST</b>
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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-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
KRA-25	High gain VHF helically loaded whip antenna 148-162 MHz	34.25
KRA-28	Broad-band VHF helically loaded whip antenna 140-170 MHz	42.00

<b>BATTERIES AND CHARGERS</b>	<b>LIST</b>
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KNB-31A	1700 mAh, Ni-Cd battery - requires KSC-32/326K charger	70.00
KNB-32N	2500 mAh, Ni-MH battery - requires KSC-32/326K charger	87.50
KNB-33L	2000 mAh, Li-ion battery - requires KSC-32/326K charger	105.00
KNB-41NC	2500 mAh, Ni-MH battery - requires KSC-32/326K charger <b>[Intrinsically Safe Option]</b>	136.50
KNB-43L	3300 mAh, Li-Polymer battery - requires KSC-32/326K charger	163.00
KNB-49PL	4500 mAh, Primary Lithium battery <b>Note: Non-Rechargeable</b> (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
KBP-6	AA Alkaline Refillable Battery Pack (6 AA; 9V) cells not included <b>Note:</b> the color of the case is orange	68.50

<b>BATTERIES AND CHARGERS - CONT'D</b>		<b>LIST</b>
KSC-32	Rapid rate single unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC <b>Note:</b> 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
KSC-326K	Rapid rate 6-unit charger for KNB-31A/32N/33L/41NC/43L/47L/48L/50NC	630.00
KMB-30M	Wall Mount Bracket for KSC-326K/256K	33.75
KMB-23	Six Unit Charger Adapter for the KSC-16/20/24/25/32 chargers (chargers not included)	191.00
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
KVC-18	Vehicular D.C. Charger for 180/5210/5310 Portables with NiCd or NiMH Battery	446.50

<b>CARRYING ACCESSORIES</b>		<b>LIST</b>
KBH-11	Spring action belt clip (2.5")	14.70
KBH-10	Low profile spring action belt clip (for use with KNB-33L Only)	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 for KLH-122/123	22.00
KLH-122	Heavy duty leather carrying case for TK-2180/3180 (Non DTMF keypad models)	44.25
KLH-123	Heavy duty leather carrying case for TK-2180/3180 (DTMF keypad models)	44.25
KLH-124	Cordura Nylon carrying case for TK-2180/3180 (Non DTMF keypad models)	26.30
KLH-125	Cordura Nylon carrying case for TK-2180/3180 (DTMF keypad models)	26.30
KLH-137ST	Firemen's Heavy-Duty Leather Shoulder Strap for KLH-122/123	36.75
KWR-1	Water resistant bag	29.85

<b>MICROPHONES &amp; AUDIO ACCESSORIES</b>		<b>LIST</b>
KEP-1	3.5mm earphone kit for KMC-25/26/41M/42WM Speaker Mics <b>[Intrinsically Safe Approved Accessory]</b>	52.50
KCT-30	2.5mm Audio Accessory Adapter for KEP-3/4 <b>[Intrinsically Safe Approved Accessory]</b>	64.00
KEP-3	30" Earphone kit w/ 2.5mm plug for KCT-30 <b>[Intrinsically Safe Approved Accessory]</b>	51.50
KEP-4	48" Earphone kit w/ 2.5mm plug for KCT-30 <b>[Intrinsically Safe Approved Accessory]</b>	54.75
KMC-41M	MIL-SPEC, IP54/55 Noise-canceling Speaker Mic <b>[Intrinsically Safe Approved Accessory]</b>	96.50
KMC-42WM	MIL-SPEC, IP67 (Immersion) Noise-canceling Speaker Mic <b>[Intrinsically Safe Approved Accessory]</b> <b>Important Note:</b> 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) <b>[Intrinsically Safe Approved Accessory]</b>	156.50
KHS-11BL	2-wire palm mic w/earphone, universal connector (Black) <b>[Intrinsically Safe Approved Accessory]</b>	156.50
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>
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<i>180-Series MPT radios/protocol do not support ANI Boards</i>
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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-1612</b> for MPT Emergency operations	22.00
VGS-1	Voice Guide and Storage Unit <b>[Intrinsically Safe Approved Accessory]</b>	87.50

<b>SERVICE RELATED ACCESSORIES</b>	<b>LIST</b>
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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-96DK	Windows® Programming Software for 180-Series MPT (Dealer Level License ID included) <b>Note:</b> Must order <b>L-1013</b> for Network Level License ID & programming privileges	103.25

<b>INSTALLATION / TUNING CHARGES</b>	<b>LIST</b>
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L-961	Assemble KMB-23 with six KSC-32K's (Rapid Rate, 120 Volt version only)	17.00
L-962	Install VGS-1 Voice Guide & Storage Unit <b>Note:</b> VGS-1 installation precludes any ANI or encryption board installation	25.00
L-963	TK-2180/3180 Programming (with basic TX/RX check)	37.50
L-994	Configure TK-2180-IS/3180-IS for Intrinsically Safe	70.00
L-1012	Install MPT option in 180-Series radio	16.67
L-1013	Network Level License ID for KPG-96D 180-Series Programmer	158.33
L-1014	Retrofit Install of MPT option in 180-Series radio For previously purchased 180-Series radios. Order L-1014 through LMR order desk/rep. Ship radios to attn: Kenwood LMR Tuning, Long Beach for installation. Include Kenwood order number for L-1014 provided by order desk & copy of company P.O. or P.O. number. <b>Note:</b> Only certain Serial Number Lots produced in late 2004 and later can be retrofitted - see 180-Series MPT Introduction Sales Bulletin for details	85.00
L-1612	Install KCT-57MS (for MPT Emergency Call)	20.00