

TKB-751/851 and TKR-751/851
VHF and UHF Low Power Base Stations and Repeaters

GENERAL:

The TKB-751/851 and TKR-751/851 Low Power Base Stations and Repeaters offer the following features.

- | | |
|--|--|
| 1-25 Watt UHF and VHF | 4 Watt Front Panel Speaker Audio |
| Continuous Duty Operation | BCD Remote Channel Selection (4 Lines up to 15 Channels) |
| 19" Rack Mount | Programmable AUX Input/Output Functions |
| Wide/Narrow Band (Programmable per Channel) | Built-In Cooling Fan |
| Battery Back-Up Capable | Macro-Function AUX Inputs |
| Back-Up Battery Warning/Operating Tone | Selectable Toggle/Momentary on AUX Input Ports |
| Rear Accessory/Logic Controller Connector | DTMF Over-The-Air Remote Function and AUX Output Control |
| Rear Test Speaker - AUX Connector | DSP Processed QT/DQT |
| High Stability Oscillators (TCXO) | DSP Processed Companded Audio |
| Windows 98/2000/ME/XP Compatible PC Programming and Tuning | CTCSS Squelch-Tail Elimination |
| 2 Years Parts and Labor Warranty | Flash Memory |

OPTIONS:

When used as a Base Station, the TKB-751/851 also offers the following features.

- | | |
|--|---|
| 16 Channel | 6 Lighted, Customizable Front Panel PF Keys |
| Simplex or Full Duplex Operation | Local Takeover/Remote Function |
| Built-In Antenna Switch for Simplex/Single Antenna Operation | Front Panel Channel Up/Down PF Keys |
| Priority Scan | Local Volume Control Knob |
| Remote Control Inputs | Front 8-Pin Microphone Jack |
| 7-Segment, 2-Character Channel and Scan LED Indicator | Front Panel Speaker |
| Programmable 2 Character Alphanumeric Channel Designators | Voice Encryption Option Port |
| Power/Transmit/Busy LED Indicators | |

When used as a Repeater, the TKR-751/851 also offers the following features.

- | | |
|---|--------------------------------|
| Full Duplex Operation | Courtesy Tone |
| 16 Built-In Community CTCSS/DCS Tone/Code Pairs | Repeat Enable/Disable |
| Repeat Function | CW Transmitter ID |
| External Controller Interface | Repeat Hold Timer (Hang Timer) |
| Conventional or Trunking Controller Compatible | Time Out Timer |

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	LIST
BASE STATIONS	
TKB8510PS BASIC CONFIGURATION, 450 - 480 MHz TKB8510PS base station basic configuration includes 1-25W 100% duty radio, internal T-R relay, internally mounted 20A power supply, programming, and tuning. Ships unmounted.	\$1,720
TKB7510PS BASIC CONFIGURATION, 146 - 174 MHz TKB7510PS base station basic configuration includes 1-25W 100% duty radio, internal T-R relay, internally mounted 20A power supply, programming, and tuning. Ships unmounted.	\$1,617
REPEATERS	
TKR8510PS BASIC CONFIGURATION, 450 - 480 MHz TKR8510PS repeater basic configuration includes 1-25W 100% duty repeater, internally mounted 20A power supply, programming, and tuning. Ships unmounted.	\$1,720
TKR8510PSD BASIC CONFIGURATION, 450 - 480 MHz WITH INTERNAL DUPLEXER TKR8510PSD repeater basic configuration includes 1-25W 100% duty repeater, internally mounted 20A power supply, internal low power duplexer, programming, and tuning. Ships unmounted.	\$2,253
TKR7510PS BASIC CONFIGURATION, 146 - 174 MHz TKR7510PS repeater basic configuration includes 1-25W 100% duty repeater, internally mounted 20A power supply, programming, and tuning. Ships unmounted.	\$1,617
TKR7510PSD BASIC CONFIGURATION, 146 - 174 MHz WITH INTERNAL DUPLEXER TKR7510PSD repeater basic configuration includes 1-25W 100% duty repeater, internally mounted 20A power supply, internal low power duplexer, programming, and tuning. Ships unmounted. NOTE: Duplexer model requires a TX-RX frequency spacing of 5 MHz or greater.	\$2,150
BASE STATION AND REPEATER OPTIONS	
OPTION KSGPWRX1: DELETE POWER SUPPLY Delete internally mounted 20A power supply from basic station configuration.	-\$50
Desktop Enclosure Units - High-quality black laminate finish; easily assembled with included hardware.	
OPTION KSGMT30001: 2RU DESKTOP ENCLOSURE - 16" deep by 20.5" wide by 5" high.	\$242
OPTION KSGMT30004: 4RU DESKTOP ENCLOSURE - 16" deep by 20.5" wide by 8.5" high.	\$260
OPTION KMC-9C: KMC-9C DESKTOP MICROPHONE	\$86.00
OPTION B51-8683-00: TKR-751 SERVICE MANUAL	\$37.00
OPTION B51-8684-00: TKR-851 SERVICE MANUAL	\$37.00
OPTION KPG-46AM: KPG-46AM PROGRAMMING CABLE	\$191.00
OPTION KCT-53UM: KCT-53UM DB9M TO USB TYPE A CONNECTOR	\$86.00
OPTION KPG-91DK: KPG-91DK PROGRAMMING SOFTWARE	N/A

Note: External power amplifiers vary: see pages 35-36 for high-power base station and repeater amplifier configurations. For complete rack and cabinet enclosure options, see Components section. Please contact your Kenwood Systems Regional Sales Manager for more information.

**KENWOOD USA CORPORATION, COMMUNICATIONS SECTOR, SYSTEMS DIVISION
SYSTEM CONFIGURATION WORKSHEET**

DEALER: DLR #: CONTACT:

PHONE: FAX: E-MAIL:

SHIP TO: CITY: ST: ZIP:

PREPARED BY: DATE:

REFERENCE PURCHASE ORDER NUMBER: PAGE OF

SYSTEM CONFIGURATION: Specify the primary system part number selected previously in Step 1 (e.g. TKR7400SK1, TKB8510PS, etc.); it is not necessary to list the various system options already indicated on your Purchase Order. Also specify the transmit power level required at the amplifier output (or exciter output, if being used without an external amplifier). *Please Note: It is very important that your required transmit levels be provided at time of order, since several of our amplifier models cannot be field-adjusted without voiding the product warranty.* If applicable, mark the box labeled "B" if the system will be used as a simplex, single-antenna base station, or mark "P" if it is intended for use in a transmit-only paging application. For conventional systems using wireline remote control, indicate remote control type (Tone, DC, or Extended Local), desired audio line levels (0dBm / 0dBm or +7dBm / -16dBm), and required circuit configuration (2-wire simplex or 4-wire full duplex).

PRODUCT CLASSIFICATION										CONFIGURATION			WIRELINE REMOTE CONTROL			
TKR/TKB/KSG/NXR					PRODUCT DESIGNATOR SUFFIX					TRANSMIT POWER			CONTROL TYPE		AUDIO LEVELS	2W SIM / 4W DUP
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	W <input type="checkbox"/> B <input type="checkbox"/> P <input type="checkbox"/>			<input type="text"/>	<input type="text"/>	/	<input type="text"/>

RADIO INFORMATION: Specify the desired transmit and receive frequencies (include all four decimal places) for both Conventional and Trunking systems in blocks of 5, indicating either Wideband or Narrowband for each channel (use additional sheets if necessary). For Conventional channels, specify transmit and receive CTCSS frequencies (example: 131.8 Hz) or DCS codes (example: D732N) in the boxes provided; or mark the CSQ box if the channel is Carrier Squelch only (no CTCSS or DCS).

TRANSMITTER					RECEIVER				
CHAN	CHAN TX FREQ	W / N	TX CTCSS / DCS	CSQ	CHAN RX FREQ	W / N	RX CTCSS / DCS	CSQ	
1	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	
2	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	
3	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	
4	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	
5	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	

TRUNKING CONTROLLER INFORMATION (if applicable): For LTR Trunking systems, specify the model number of the controller to be used on each channel and identify the sync master (1 per system). Also specify the LTR channel assignments for each controller, the Area Bit (0 or 1; all channels must match), the type of Telephone Interconnect (2W = 2-wire POTS, 4W = 4-wire E&M, DID = 4-wire Direct Inward Dialing), whether RDD is to be set ON or OFF (VHF and UHF only), and the CWID to be used (if no CWID, check the NONE box). If the current firmware revision is acceptable, mark the box provided; otherwise, specify the version needed. PassPort and MPT-1327 systems require special setup; please contact Kenwood USA Corporation, Systems Division at 1-800-TRUNKING for more information.

CONTROLLER MODEL					LTR CONTROLLER SETUP					FIRMWARE VERSION	
CHAN	CONTROLLER	SYNC MASTER	LTR CHAN	AREA	INTERCONNECT	RDD	CWID	NONE	FIRMWARE	CURRENT	
1	KSG	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	
2	KSG	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	
3	KSG	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	
4	KSG	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	
5	KSG	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	

SPECIAL INSTRUCTIONS:

Is this system for resale? (check one) Yes No

Signature (required)