

# KENWOOD

Listen to the Future



## 90-Series Base Stations

Low Band

Kenwood Low Band 90-series base stations can be customized to meet your requirements.



- **Kenwood reliability in a high performance, multi-channel Low-Band base station**
- **Designed with the user in mind – set up and quick adjustments can be made via the pull out options drawers on the front of each base station**
- **Tone or DC remote control**
- **Available in several mounting configurations including racks, 42" or 77" locking cabinets**

# Specifications

TKB-6900S	
GENERAL	Low Band Base Stations
Frequency Range:	
K1	29.7 - 37.0 MHz
K2	35.0 - 43.0 MHz
K3	40.0 - 50.0 MHz
Number of Channels, Local	160
Number of Channels, Tone Remote*	7
Number of Channels, DC Remote*	2
Channel Spacing	20 kHz
Operating Voltage	115 / 230 VAC, 47-63 Hz
Backup DC Voltage*	13.4 VDC
DC current requirement, standby	< 2.5 A
DC current requirement, transmit*	25 A at 100W
Operating Temperature	-22 to +140F / -30 to +60C
Frequency Stability	+/- 0.0005%
Antenna Impedance	50Ω
FCC ID:	
K1	ALH22923110
K2	ALH22923120
K3	ALH22923130
FCC Compliance:	
K1	FCC parts 22, 90
K2	FCC parts 22, 90
K3	FCC parts 15, 22, 90
IC Certification:	
K1	282195519A
K2	282195532A
K3	282195520A

TKB-6900S	
RECEIVER	(measurements per EIA / TIA-240D)
Sensitivity:	
12 dB SINAD	0.25 μV
20 dB Quieting	0.35 μV
Selectivity	85 dB
Intermodulation Distortion	80 dB
Spurious Response	90 dB
Audio Output, local speaker	4 W at < 5% distortion
Audio Output, external speaker	13 W at < 5% distortion
Band Spread:	
K1	7.3 MHz
K2	8.0 MHz
K3	10.0 MHz
TRANSMITTER	(measurements per EIA-152C)
RF power output, no external amplifier	45 W to 110 W
Duty Cycle, no external amplifier	20 % at 110W
RF power output with external amplifier*	100 W to 300 W
Duty Cycle with external amplifier*	100%
Emission Designator	16K0F3E
Spurious Response	80 dB
FM Hum and Noise	55 dB
Local Microphone Impedance	600Ω
Audio Distortion	< 2% at 1000 Hz
Band Spread:	
K1	7.3 MHz
K2	8.0 MHz
K3	10.0 MHz

## Mechanical Specifications, Options

### Options:

7-channel tone remote  
 2-channel tone or DC remote, 2-wire or 4-wire  
 Voting encoder (4-wire)  
 External local speaker  
 Battery backup  
 Low-voltage disconnect  
 Smart charger  
 Morse Code Identifier (CWID)  
 Line Disable / Intercom / Monitor functions  
 Rear terminal interface connection panel  
 Separate receiver input connector  
 High-power amplifiers up to 300W

### Cabinet / Rack Options:

KSG 20U Cabinet (42")  
 KSG 40U Cabinet (77")  
 KSG 7' open equipment rack

### External Interface:

Phone line: RJ-11 connector  
 External Spkr: Molex 19-09-1049, 4-cond  
 Battery Backup DC Input: 1/4" - 20  
 DB-25 (channel select, TX/RX audio, PTT, COR, Hook, etc.)

TX-RX Antenna: Type N female  
 Optional receiver input: BNC female

Kenwood USA Corporation is committed to a policy of constant improvement in features, quality and performance. To accommodate these improvements, all technical information and specifications are subject to change without notice. Custom options and configurations are available, if needed. For more information, call 1-800-TRUNKING.

# KENWOOD

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