

KENWOOD

Listen to the Future



Single Channel LTR[®]

Conventional Repeaters and Base Stations

These units are available in the following frequency bands: 800 MHz, 900 MHz, UHF and VHF MHz repeaters and base stations and low band base stations. Choose from the following mounting configurations: Standard 7' equipment racks or high quality locking equipment cabinets in 42" (20U) or 77" (40U). Available in LTR[®], CTCSS, DCS repeater control, conventional repeaters and simplex stations are available with tone or DC remote control. A full line of duplexers/combiners is also available.

LTR[®] is a registered trademark of E.F. Johnson Company.



- **Kenwood reliable, high performance repeaters with 100% continuous duty cycle**

Configuration of cabinet may vary.

Repeater Specifications

	TKR - 9300S	TKR - 9301S	
GENERAL			
Frequency Range	RX: 806.0125 ~ 820.9875 MHz TX: 851.0125 ~ 865.9875 MHz	RX: 896.0125 ~ 900.9875 MHz TX: 935.0125 ~ 939.9875 MHz	
Number of Channels	1	1	
Channel Spacing	25 kHz (PLL step: 12.5 kHz)	12.5 kHz (PLL step: 12.5 kHz)	
Input Voltage	115/230 VAC, 47–63Hz	115/230 VAC, 47–63Hz	
Duty Cycle	100%	100%	
RECEIVER			
Sensitivity (EIA 12 dB SINAD)	0.3 µV	0.3 µV	
Selectivity	-75 dB	-70 dB	
Modulation Acceptance	± 7 kHz	± 3.5 kHz	
Spurious and image rejection	-85 dB	-80 dB	
Intermodulation	-70 dB	-70 dB	
Frequency Stability	± 0.00015%	± 0.00001%	
TRANSMITTER			
RF Power Output	30, 80, 130 Watts	130 Watts	
Frequency Stability	± 0.00015%	± 0.00001%	
RF Output Impedance	50 Ω	50	
Modulation	16KOF1D, 16KOF3E	11KOF1D, 11KOF3E	
Audio Distortion	Less than 2%	Less than 5%	

Base Station Specifications

	TK-6900S
GENERAL	
Frequency Range	
Type 1	29.7 ~ 37.0 MHz
Type 2	35.0 ~ 43.0 MHz
Type 3	40.0 ~ 50.0 MHz
Number of Channels	160
Channel Spacing	
Wide	20 kHz (PLL step: 5 kHz)
Narrow	
Input Voltage	115/230 VAC, 47 ~ 63Hz
Duty Cycle	100%
RECEIVER	
Sensitivity	
12db Sinad	0.25 µV
20db Quieting	0.35 µV
Selectivity	
Wide	85 dB
Narrow	
Spurious Response	90 dB
Audio output	13 watt at 4 Ohm
Band Spread	
Type 1	7.3 MHz
Type 2	8 MHz
Type 3	10.0 MHz

	TK-6900S
TRANSMITTER	
RF Power Output	100 W
Type of emission:	
Wide	16KOF3E
Narrow	
Spurious Response	80 dB
FM hum and noise	
Wide	55 dB
Narrow	
Audio Distortion	< 2% at 1000 Hz
Band Spread	
Type 1	7.3 MHz
Type 2	8.0 MHz
Type 3	10.0 MHz

Kenwood follows a policy of continuous advancement in development. For this reason specifications may be changed without notice.

All rights reserved. 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.



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