



# KG-UVD1 DUAL-BAND FM TRANSCEIVER



Dual Frequency, Dual Display and Dual Standby  
 VHF&UHF, UHF&UHF or VHF&VHF operating modes  
 Split Frequency ( Tx VHF-Rx UHF or Tx UHF-Rx VHF)  
 1750Hz Tone-burst repeater access function  
 Voice Prompt  
 128 Memory channels  
 VOX Function  
 High/Low power selection  
 Wide/Narrow Bandwidth selection (25KHz/12.5KHz)  
 Channel Name edit and display  
 105 groups D.C.S/50 groups CTCSS  
 Low-battery voice prompt  
 Multiple scan modes  
 Transmit Over Timer  
 VFO steps( 5K/6.25K/10K/12.5K/25K/50K/100K  
 Wire clone function  
 Programmable by computer

## TECHNICAL SPECIFICATIONS

Frequency Range	2m and 70cm amateur bands
Memory Channels	128 memories
Operating Voltage	7.4VDC
Frequency Stability	±2.5ppm
Operating Temperature	-30 to +60 deg. C
Antenna Impedance	50 Ohms
Dimensions	58 x 105 x 38 (mm)
Weight	250g

## TRANSMITTER

Frequency Stability	±2.5ppm
RF Carrier Power	UHF: 4W VHF: 5W
Effective Radiated Power (E.R.P.)	within pre-determined value ±7.5dB
Max. Frequency Deviation	Chan. Space 25KHz: ±5KHz Chan. Space 12.5KHz: ±2.5KHz
Audio Modulation	+3dB (pre-emphasis by 6dB between 0.3-3KHz)
Adjacent Channel Power	Channel Space: 25KHz =70 dB Channel Space: 12.5KHz =60 dB
Spurious Radiation	=-30dBm
Inter modulation Attenuation	=40dB
Modulation Distortion	=10%
Residual FM	=-35dB
Residual AM	=3%

## RECEIVER

Sensitivity (12dB SINAD)	0.16µV
Squelch Rejection Sensitivity	=0.8µV
Squelch Sensitivity	=0.2µV
Audio Output power	500 mW
Audio Distortion	=5%
Audio Response	(300-3000Hz) +1 to -3dB
Co-channel Rejection	=-8.0dB
Performance of Amplitude Limiter	=3
Adjacent Channel Selection	Channel Space: 25KHz =70 dB Channel Space: 12.5KHz =60 dB
Inter-modulation	=65 dB
Resistance	=84 dB
Spurious Radiation	9KHz-1GHz=-57dBm 1GHz-4GHz=-47dBm

## STANDARD ACCESSORIES SUPPLIED WITH THE KG-UVD1

*Li-ion Battery Pack Belt Clip  
 High Gain Antenna Intelligent Charger  
 Mains Adaptor Hand-Strap*

## SOME OPTIONAL ACCESSORIES AVAILABLE FOR THE KG-UVD1

USB Programming Cable Programming Software  
 Wire-clone Cable Car charger Mic/Speaker  
 Leather Case

**ZS2BL HAM SWOP SHOP**  
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