



1st P.R.C Type Approval Certificate of Chinese Twin Band Mobile / Base Transceiver

Full Duplex Cross-band & Cross-band Repeater Twin Band Simultaneous Reception Dual Speaker & Dual Output



High Output Power (VHF:50W / UHF:40W)
Hand Microphone with TX / RX Indicator
Remote-head Mounting Capability
8 Groups Scrambler



KG-UV920P TWIN BAND MOBILE / BASE TRANSCEIVER

- **Full Duplex Cross-band & Cross-band Repeater**
Duplex Two-way or Directional Repeat
- **Dual Receive, Dual Speaker & Dual Output**
Twin Band Simultaneous Reception, Built-in High Quality Dual-Speaker
- **Twin Band, Dual Display**
Large LCD Dual Frequency Display, Two Completely Independent Operating Systems



CE 06780 FC RoHS REACH ISO9001:2008 ISO14001:2004

Approved Code by Ministry of Industry and Information Technology of the People's Republic of China:
CMIIT ID:2010FP6596

This product has been patented, imitation is not permitted.
Patent No. for the Appearance:
ZL201130252178.2 (Mobile Base Transceiver)
ZL201130252179.7 (Hand Microphone)

Description of Functions

- **Frequency Range Suitable for any Region of any Country:**
(RX / TX) 136-174MHz & 400-470MHz
136-174MHz & 400-480MHz
136-174MHz & 216-280MHz
136-174MHz & 420-520MHz
144-146MHz & 430-440MHz
144-148MHz & 222-225MHz
144-148MHz & 420-450MHz
(RX) FM: 65MHz~108MHz (100K Frequency Spacing)
- **Band can be Set Freely**
V/U U/V V/V U/U
- **Dual Reception**
Twin Band Simultaneous Reception
- **Dual Display**
Large LCD Dual Frequency Display,
Two Completely Independent Operating Systems
- **Over 999 Memory Channels**
Area Scanning Management Capability
- **Remote-head Mounting Capability**
Multiple Installation Types, Convenient Usage
- **Full Duplex Cross-Band**
Offset Frequency & Frequency Shift Direction Programmable
UHF / VHF or VHF / UHF Cross-band Repeater Function
- **Both Stations can Form Combined Same Band or Different Band Repeat**
- **High Output Power (VHF:50W / UHF:40W)**
- **CTCSS / DCS Encode / Decode**
- **Multiple Speaker Channel Settings**
- **DTMF Hand Microphone**
with Speaker, TX / RX Indicator and Volume Controller
- **Incoming Message Display**
Caller ID display
- **DTMF Encoding and Decoding**
- **Group Calls, All Calls and Selective Calls**
- **8 Group Scrambler**
- **Priority Channel Scanning**
- **APO Power Management**
- **English Voice Guide**
- **Minimum Operating Voltage Alarm**
- **Stun and Kill Function**
- **Single Tone Pulse Frequency**
2100Hz / 1750Hz / 1450Hz / 1000Hz
(Used when Activating Repeater Signal)
- **Selectable Three Color Backlight**
- **Reduced Noise Settings**
- **Remote Control Setting**
- **Frequency / Channel Scanning with CTCSS / DCS Detection**
- **Multiple Cooling Paths Fan**

Technical Specification

General		Receiver	Wide Bandwidth	Narrow Bandwidth	Transmitter	Wide Bandwidth	Narrow Bandwidth
Frequency Range	Frequency Range Suitable for any Region of any Country	Adjacent Channel Selectivity	≥ 70dB	≥ 60dB	Type of Modulation	16K F3E	11K F3E
		Intermodulation	≥ 65dB	≥ 60dB	Adjacent Channel Power	≥ 70dB	≥ 60dB
		Spurious Response	≥ 70dB	≥ 70dB	Signal to Noise Ratio	≥ 40dB	≥ 36dB
Step Frequency	5KHz / 6.25KHz / 10KHz / 12.5KHz / 20KHz / 25KHz / 30KHz / 50KHz / 100KHz	Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)	Spurious	≥ 60dB	≥ 60dB
		Signal to Noise Ratio	≥ 45dB	≥ 40dB	Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Memory Channels	999	Audio Distortion	≤ 5%		Max. Frequency Deviation	± 5KHz	± 2.5KHz
Work Mode	F2D/F3E	Audio Power	Transceiver ≤ 3W Hand Microphone ≤ 1W		Frequency Stability	± 2.5ppm	
Operating Temperature	-20℃~+60℃		Audio Distortion		≤ 5%		
Antenna Impedance	50Ω	Sensitivity	UHF/VHF: 0.25μV		Output Power	50W / 20W / 10W / 5W (VHF)	
Power Requirement	13.8VDC ± 15% (Negative Grounded)					40W / 20W / 10W / 5W (UHF)	
Weight	1437.8g (Including Microphone)						
Dimensions	140x44x207(mm)						

Specifications are subject to change without notice.

Standard Accessories



Optional Accessories



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