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

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 (10K 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:45W / 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**

<table>
<thead>
<tr>
<th>General</th>
<th>Receiver</th>
<th>Wide Bandwidth</th>
<th>Narrow Bandwidth</th>
<th>Transmitter</th>
<th>Wide Bandwidth</th>
<th>Narrow Bandwidth</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency Range</strong></td>
<td>Frequency Range Suitable for any Region of any Country</td>
<td>Adjacent Channel Selectivity</td>
<td>70dB</td>
<td>60dB</td>
<td>Type of Modulation</td>
<td>16K F3E</td>
</tr>
<tr>
<td><strong>Step Frequency</strong></td>
<td>50Hz / 8.25kHz / 10kHz / 12.5kHz / 20kHz / 25kHz / 50kHz / 50kHz / 100kHz</td>
<td>Audio Response</td>
<td>+1<del>3dB(30.3</del>2.5kHz)</td>
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<td>+1<del>3dB(30.3</del>2.5kHz)</td>
<td></td>
</tr>
<tr>
<td><strong>Memory Channels</strong></td>
<td>999</td>
<td>Audio Distortion</td>
<td>5%</td>
<td>Audio Distortion</td>
<td>5%</td>
<td></td>
</tr>
<tr>
<td><strong>Work Mode</strong></td>
<td>F20/F3E</td>
<td>Audio Power</td>
<td>Transceiver ≤3W</td>
<td>Audio Stability</td>
<td>±2.5ppm</td>
<td></td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-20℃~+60℃</td>
<td>Hand Microphone ≤1W</td>
<td>Audio Distortion</td>
<td>≤5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Antenna Impedance</strong></td>
<td>50Ω</td>
<td>Sensitivity</td>
<td>UHF/VHF: 0.25μV</td>
<td>Output Power</td>
<td>50W / 20W / 10W / 5W (VHF)</td>
<td></td>
</tr>
<tr>
<td><strong>Power Requirement</strong></td>
<td>13.8VDC ±15% (Negative Grounded)</td>
<td>Power Supply</td>
<td>1437.8g (including Microphone)</td>
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<td>1437.8g (including Microphone)</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>140x44x207(mm)</td>
<td>Dimensions</td>
<td>332 x 120 x 68 (mm)</td>
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<td></td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice.

**Standard Accessories**

- Hand Microphone (MMO-001)
- Indent Switchboard Panel (Already Installed on Mobile Transceiver) (SAO-001)
- Flat Switchboard Panel (SAO-002)
- Mobile Mounting Bracket (MOB-001)
- Remote Front Panel Bracket (RBO-001)
- Mobile Power Cord (PWO-002)
- Extension Cable (SCO-002)
- Screw Sets (SSO-001)
- Hand Microphone Hook (HMO-001)
- Fuse (15A 32V) (FUO-001)
- User's Manual

**Optional Accessories**

- **Switching Power Supply 50A**
  Weight: 1.5kg
  Dimensions: 320 x 155 x 70 (mm)

- **USB Programming Cable**
  (PCO-003)

- **Omni-antenna (AN0-016)**

- **Omni-antenna Directional Antenna (AO0-001)**

- **Strong Magnetic Mount (base dia.: 110mm) (ANO-018)**

- **Strong Magnetic Mount (base dia.: 90mm) (ANO-017)**

- **Clamps Install Mount (ANO-018)**

- **Clamps Install Mount (ANO-019)**

- **Connection Cable (SCO-001)**

- **Mobile Speaker / Mic (MMO-002)**

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