Wouxun KG-UV980P

Wouxun KG-UV980P Quad Band Mobile Radio Instruction Manual

Model: KG-UV980P

1. INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Wouxun KG-UV980P Quad Band Mobile Radio. Please read this manual thoroughly before using the device to ensure safe and efficient operation.

Key Features:

- Quad Band Mobile Radio
- Cross-band repeater functionality
- Maximum output power: VHF 50W, UHF 40W
- Dual Frequency Display and Dual Independent Operation System
- Eight Bands for Receiving, Four Bands (including SW) for Transmitting
- Twin Band / Same Band Simultaneous Reception
- 999 Memory Channels
- Front Panel and Radio Body Flexible for Separation
- QT/DOT Encoding and Decoding, QT/DOT Scanning
- Non-standard CTCSS/DCS Setting
- Dual Track and Multi-way Loudspeakers
- Hand Microphone with DTMF and Loudspeakers
- Caller ID Display
- Multiple Scanning Ways
- 8 Groups of Scrambler
- Priority Channel Scanning
- APO Power Management
- Wide / Narrow Bandwidth Selectable
- English Voice Guide
- Automatic Temperature Detection
- Stun / Kill Function

- Multiple Back Light Color Selectable

- Scan Channel Adding / Deleting

- Grouping Channel Scanning

- Multiple Setting for Cooling Fan

2. SAFETY INFORMATION

To prevent personal injury or damage to your radio, please observe the following safety precautions:

- Do not operate the radio in explosive atmospheres (e.g., around flammable gas, dust, or powders).

- Do not transmit without an antenna connected. This can damage the radio's final amplifier.

- Ensure proper ventilation around the radio, especially during prolonged transmission, to prevent overheating.

- Use only Wouxun-approved accessories and power supplies.

- Keep the radio away from water and moisture.

- Do not attempt to disassemble or modify the radio. Repairs should only be performed by authorized service personnel.

- Maintain a safe distance from the antenna during transmission to minimize exposure to RF energy.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Wouxun KG-UV980P Mobile Radio Unit

- Hand Microphone DTMF with Loudspeakers

- Power Cable

- Mounting Bracket and Hardware

- User Manual

Figure 3.1: Included components for the Wouxun KG-UV980P mobile radio, including the main unit, hand microphone, power cable, mounting bracket, and user manual.

4. PRODUCT OVERVIEW

4.1. Main Unit

Figure 4.1: The Wouxun KG-UV980P mobile radio main unit with the hand microphone connected.

The main unit houses the radio's core components, display, and primary controls. It features a robust design

suitable for mobile installations.

4.2. Front Panel

Figure 4.2: Close-up of the Wouxun KG-UV980P front panel, showing the dual frequency display, control knobs, and function buttons.

The front panel features a dual-line LCD display for simultaneous monitoring of two frequencies. It includes dedicated knobs for volume and channel selection, along with various function buttons for menu navigation, band selection, and exit. The front panel is detachable for flexible installation options.
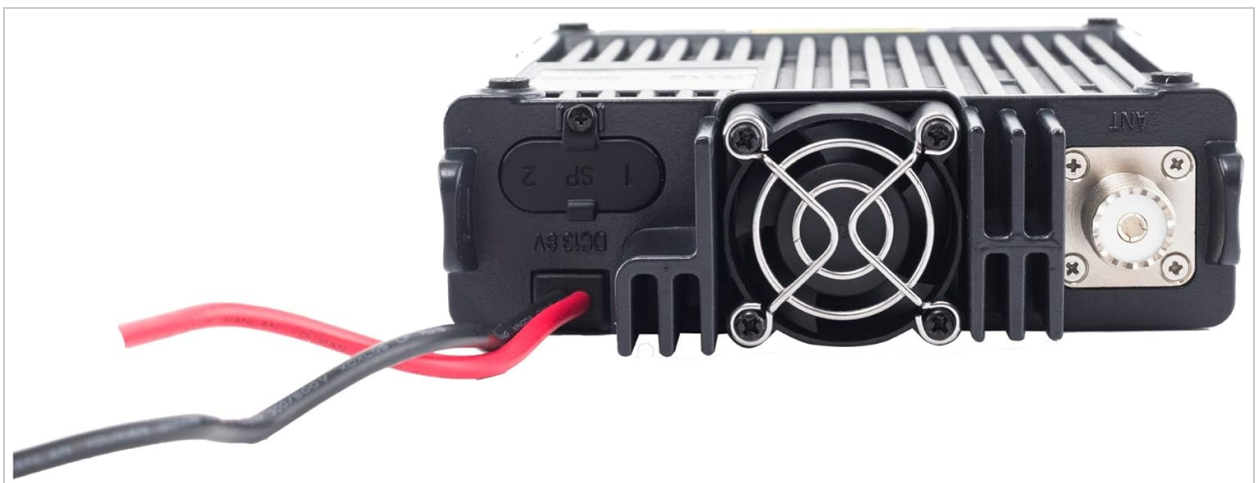
4.3. Rear Panel

Figure 4.3: The rear panel of the Wouxun KG-UV980P, highlighting the antenna connector, power input, and cooling fan.

The rear panel provides connections for the antenna, DC power input, and external speakers. It also features an integrated cooling fan for thermal management during operation.

4.4. Hand Microphone

RX TX

MIC

MAIN

MENU

▲ ▼ EXIT

1 BAND   2 MHZ   3 B/SW   * SCAN

4 MEMCH   5 H/L   6 VFO/MR   0 SCRAM

7 SET-D   8 TDR   9 SQL   # LOCK

WOUXUN

Figure 4.4: The hand microphone for the Wouxun KG-UV980P, featuring a DTMF keypad and integrated loudspeaker.

The included hand microphone is equipped with a DTMF keypad for advanced signaling and includes a built-in loudspeaker for clear audio reception.

5. SETUP

5.1. Mounting the Radio

The KG-UV980P can be installed in a vehicle or used as a base station. Use the provided mounting bracket and hardware to secure the main unit in a stable location. The detachable front panel allows for flexible placement, enabling the main unit to be hidden while the control head is mounted in an accessible position.

5.2. Power Connection

1. Connect the supplied DC power cable to the power input port on the rear of the radio.
2. Ensure the red wire connects to the positive (+) terminal and the black wire to the negative (-) terminal of your 13.8V DC power source.
3. Verify all connections are secure before applying power.

5.3. Antenna Connection

1. Connect a suitable quad-band antenna (VHF/UHF/Air Band) to the antenna connector on the rear panel of the radio.
2. Ensure the antenna cable is properly routed and secured to prevent damage or interference.
3. **Caution:** Never transmit without an antenna connected, as this can cause severe damage to the radio.

5.4. Microphone Connection

Plug the hand microphone's RJ45 connector into the corresponding port on the front panel of the radio. Ensure it clicks into place securely.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off and Volume Control

- To power on the radio, press and hold the **POWER** button (usually integrated with the volume knob).
- Rotate the **VOL** knob clockwise to increase volume and counter-clockwise to decrease.
- To power off, press and hold the **POWER** button again.

6.2. Frequency Display and Band Selection

- The radio features a dual display, allowing you to monitor two frequencies simultaneously.
- Press the **BAND** button to switch between the upper and lower display areas, making one active for

adjustments.

- Use the main tuning knob or the UP/DOWN buttons on the microphone to change frequencies.

6.3. Memory Channels

The KG-UV980P supports 999 memory channels.

- **Storing a Channel:** Tune to the desired frequency and settings (CTCSS/DCS, offset, etc.). Press **MENU**, navigate to the memory store option, select an empty channel, and confirm.
- **Recalling a Channel:** Press the **VFO/MR** button to switch to Memory Mode. Use the tuning knob or UP/DOWN buttons to select the desired memory channel.

6.4. CTCSS/DCS (Tone/Code Squelch)

CTCSS/DCS tones are used to filter out unwanted signals and allow for private communication within a group.

- Press **MENU**, navigate to the CTCSS/DCS setting, and select the desired tone or code.
- Ensure both transmit and receive tones are correctly set for repeater access or group communication.

6.5. Repeater Operation

The radio supports cross-band repeater functionality and same-band repeat on two combined radios.

- **Cross-Band Repeat:** Configure the upper and lower bands with different frequencies. Access the menu to enable cross-band repeat mode.
- **Frequency Offset:** For standard repeater operation, set the transmit offset frequency and direction (positive/negative) in the menu.

6.6. Scanning Functions

The radio offers multiple scanning ways, including priority channel scanning and grouping channel scanning.

- Press the **SCAN** button to initiate frequency or memory channel scanning.
- Use the menu to configure scan parameters, such as scan resume method and channels to include/exclude.

6.7. DTMF Encoding and Decoding

The hand microphone features a DTMF keypad for sending DTMF tones. The radio also supports DTMF decoding for functions like Stun/Kill.

- To send DTMF tones, press the desired keys on the microphone keypad while transmitting.
- Configure DTMF settings in the menu for specific applications.

6.8. Power Management (APO)

Automatic Power Off (APO) can be configured to conserve power.

- Access the menu to set the APO timer. The radio will automatically power off after a period of inactivity.

6.9. Backlight and Voice Guide

- Adjust the backlight color and brightness via the menu settings for optimal visibility.
- Enable or disable the English voice guide for menu navigation and function announcements.

7. MAINTENANCE

7.1. Cleaning

- Wipe the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure all ports and connectors are free of dust and debris.

7.2. Storage

- Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- Disconnect the power cable and antenna when storing for extended periods.

8. TROUBLESHOOTING

If you encounter issues with your KG-UV980P, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on	Loose power connection, faulty power source, blown fuse	Check power cable connections. Verify power source. Inspect and replace fuse if necessary.
No audio output	Volume too low, squelch too high, external speaker issue	Increase volume. Adjust squelch level. Check external speaker connection or use internal speaker.
Cannot transmit or receive	Incorrect frequency/channel, antenna not connected, CTCSS/DCS mismatch	Verify frequency and channel settings. Ensure antenna is securely connected. Check CTCSS/DCS settings.
Radio overheats	Prolonged transmission, poor ventilation	Reduce transmission time. Ensure adequate airflow around the radio's cooling fins.

9. SPECIFICATIONS

Feature	Specification
Brand	Wouxun
Model Number	KG-UV980P
Item Weight	5.64 pounds
Package Dimensions	12 x 8 x 5 inches
Color	Black
Number of Channels	999
Frequency Range	VHF 136-174 MHz & UHF 400-470 MHz
Talking Range Maximum	50 Kilometers
Water Resistance Level	Water Resistant
Included Components	Hand Microphone DTMF With Loudspeakers, Antenna, Charger, Belt Clip

Feature	Specification
Compatible Devices	Hand Microphone

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Wouxun customer service directly. Keep your proof of purchase for any warranty claims.

Related Documents - KG-UV980P

[Wouxun KG-UV6D and KG-UV6X VHF/UHF Handheld FM Transceiver User's Manual](#)
A revised user's manual for the Wouxun KG-UV6D and KG-UV6X VHF/UHF FM Handheld Transceiver, providing detailed instructions on programming, operation, and features.

[Wouxun KG-UV980P Mobile Two-Way Radio User Manual](#)
Official user manual for the Wouxun KG-UV980P mobile two-way radio transceiver. Learn about features, operation, specifications, and safety guidelines.

[Bruksanvisning Wouxun KG-Q336: Handhavande och Funktioner](#)
Lär dig använda din Wouxun KG-Q336 handradio med denna kompletta bruksanvisning. Upptäck funktioner, knappar, menyer och programmering för optimal kommunikation.

[Wouxun KG-UV9GX+ GMRS SHTF Custom Programming Table & Frequencies](#)
Detailed programming table for the Wouxun KG-UV9GX+ GMRS two-way radio, covering 906 channels for GMRS, VHF/UHF, and SHTF scenarios. Includes frequencies, modes, and usage codes.

[Wouxun KG-UV9GX GMRS SHTF Custom Programming Table](#)
Comprehensive programming table for the Wouxun KG-UV9GX GMRS/VHF/UHF two-way radio scanner, detailing frequencies and settings for GMRS, MURS, NOAA Weather, and other services.

[Wouxun KG-UV9GX GMRS SHTF Scanner Custom Programming Chart](#)
Detailed programming chart for the Wouxun KG-UV9GX GMRS SHTF two-way radio and scanner, covering GMRS, MURS, Ham, MARS, CAP, NOAA Weather, and public safety frequencies for enhanced communication and scanning.