

QUANSHENG UV-5R Plus

QUANSHENG UV-5R Plus Tri-Band Radio Instruction Manual

Model: UV-5R Plus

1. INTRODUCTION

The QUANSHENG UV-5R Plus is a versatile tri-band radio designed for reliable communication across various frequencies. It features VHF/UHF dual-band transmission, NOAA weather alerts, FM radio, and air band reception. This manual provides essential information for the safe and effective operation of your device.

2. PACKAGE CONTENTS

Please check the package contents upon unboxing to ensure all items are present:

- QUANSHENG UV-5R Plus Radio Unit
- High Gain Antenna
- 2200mAh Li-ion Battery
- Desk Dock Charger
- Belt Clip
- Hand String
- User's Manual (this document)
- Battery Eliminator Car Charger (12V-24V)

3. PRODUCT OVERVIEW

The QUANSHENG UV-5R Plus radio offers a range of features for diverse communication needs:

- 10 USA NOAA Weather Forecast Channels
- VHF UHF Dual Band Transmit and Receive
- Air Band Receiving
- Cross-band Communication

- Wireless Frequency Copy from other radios (e.g., UV-K6/UV-K5/UV-K5(8))
- Auto/Manual Emergency Alert
- FM Radio Functionality
- 10-Group Scrambler
- Frequency/DCS/CTCSS Scan
- Digital Signal CTCC/DCS
- VOX (Voice Operated Transmission)
- Dual Band Standby
- DTMF and 1750 Tone
- 200 Memory Channels
- Built-in High Light Torch
- USB-C Charging Capability



Image 1: The QUANSHENG UV-5R Plus radio unit, showing its compact design with the antenna and battery attached.

4. SETUP

4.1 Battery Installation

1. Align the 2200mAh Li-ion battery with the battery compartment on the back of the radio.
2. Slide the battery into place until it clicks securely.
3. To remove, press the release latch (if present) and slide the battery downwards.

4.2 Antenna Attachment

1. Screw the high gain antenna clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.

4.3 Charging the Battery

The radio can be charged using the included desk dock or via USB-C:

- **Desk Dock Charging:** Place the radio (with battery installed) into the desk dock. Ensure the charging contacts align. The indicator light on the dock will show charging status.
- **USB-C Charging:** Connect a USB-C cable to the radio's USB-C port and to a compatible USB power source.
- **Battery Eliminator Car Charger:** For in-vehicle use, connect the battery eliminator car charger (12V-24V) to the radio and your vehicle's power outlet. This powers the radio directly without using the internal battery.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Rotate the volume knob clockwise to power on the radio. Rotate counter-clockwise until a click is heard to power off.

5.2 Channel Mode and Frequency Mode

Press the **F+Button 3** to switch between Channel mode and Frequency mode. In Channel mode, you operate on pre-programmed channels. In Frequency mode, you can manually input frequencies.

5.3 VHF/UHF Dual Band Operation

The radio supports both VHF and UHF bands. Use the band switch button (refer to your radio's specific button layout) to toggle between the two bands for transmission and reception.

5.4 NOAA Weather Forecast

Access the 10 USA NOAA weather forecast channels to receive real-time weather alerts and information. Refer to the radio's menu for specific NOAA channel selection.

5.5 FM Radio

Activate the FM radio function to listen to broadcast FM stations. Use the radio's controls to scan and select stations.

5.6 Air Band Receiving

The radio is capable of receiving signals on the air band. This feature allows monitoring of aviation communications.

5.7 Wireless Frequency Copy

This feature allows you to wirelessly copy frequencies from other compatible radios, such as Quansheng UV-K6/UV-K5/UV-K5(8) models. Follow the on-screen prompts or refer to the radio's menu for the specific steps to initiate frequency replication.

5.8 Emergency Alert

The radio includes an auto/manual emergency alert feature. In an emergency, activate this function to transmit an alert signal. Consult the radio's menu for configuration and activation details.

5.9 VOX (Voice Operated Transmission)

VOX allows for hands-free transmission. When enabled, the radio will transmit automatically when it detects your voice. Adjust VOX sensitivity in the radio's menu.

5.10 Built-in Torch

Activate the built-in high-light torch for illumination in low-light conditions. Refer to the radio's button layout for the dedicated torch button or menu option.

6. MAINTENANCE

- Keep the radio clean by wiping it with a soft, dry cloth. Do not use harsh chemicals or solvents.
- Avoid exposing the radio to extreme temperatures, direct sunlight, or moisture. The radio is not water resistant.
- Ensure the antenna is securely attached but not overtightened.
- Charge the battery regularly, even if the radio is not in frequent use, to maintain battery health.
- Store the radio in a dry, cool place when not in use.

7. TROUBLESHOOTING

- **No Power:** Ensure the battery is correctly installed and charged. Check if the volume knob is turned on.
- **Cannot Transmit/Receive:** Verify the antenna is attached. Check the frequency/channel settings. Ensure you are within range of other radios.
- **Poor Audio Quality:** Adjust the volume. Check for obstructions to the microphone or speaker. Ensure the frequency is clear.
- **Battery Not Charging:** Ensure the desk dock or USB-C cable is properly connected and the power source is active. Check for debris in charging ports.

If problems persist, consult the full user manual or contact customer support.

8. SPECIFICATIONS

Parameter	Value
Number of Channels	200
Number of FM Radios	16
Frequency Stability	±1ppm
Working Temperature	-20°C to +60°C
Antenna Impedance	50Ω
Modulation Mode	FM: 11KOF3E(12.5KHz), 16K0F3E(25KHz)
Number of NOAA Channels	10

Parameter	Value
Audio Power	≥0.5W
Audio Distortion	≤10%
Transmitting Power	≤5W
Emission Current	≤1.5A
Maximum Frequency Deviation	≤5KHz(25KHz), ≤2.5KHz(12.5KHz)
Modulation Distortion	≤5%
Stray Power	≤7.5uW
Adjacent Channel Power	70dB(25KHz), 60dB(12.5KHz)
Frequency Range	144-148MHz, 420-450MHz
Voltage	7.4 Volts (DC)
Water Resistance Level	Not Water Resistant

9. WARRANTY AND SUPPORT

Warranty: A 3-month warranty is provided only through "Shiqun Electronics Co., Ltd". Please retain your proof of purchase for warranty claims.
For technical support or warranty inquiries, please contact your retailer or the manufacturer directly.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question