

QUANSHENG UV-K5(8)

QUANSHENG UV-K6 UV-K5(8) 5W Dual-Band Two-Way Radio

Instruction Manual

Model: UV-K5(8) | Brand: QUANSHENG

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your QUANSHENG UV-K6 UV-K5(8) 5W Dual-Band Two-Way Radio. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The QUANSHENG UV-K6 UV-K5(8) is a versatile 5W dual-band two-way radio designed for reliable communication. It supports UHF and VHF frequencies, features Type-C charging, and includes advanced functions like DTMF and NOAA weather alerts.

Key Features:

- Dual-Band Transmitting & Receiving (VHF/UHF)
- AM/FM Aviation Band Receiving
- NOAA Emergency Weather Receiver
- DTMF Functionality
- 200 Programmable Channels
- Type-C USB Charging
- Multi-Scan and Emergency Alert Functions
- CHIRP Software Support for easy programming
- Power-on Password Protection
- 10-Group Scrambler
- Cross-band Intercom

- Wireless Radio Replication

Radio Components:

Familiarize yourself with the various parts of your radio:



Figure 1: Labeled diagram of the QUANSHENG UV-K5(8) radio components. Key parts include the Antenna, Indicator LED, LCD Screen, Transmitting Key (PTT), Side Keys 1 & 2, UP/DOWN Key, EXIT Key, Keypad, Power/Volume Switch, Jacklight, Microphone/Programming Jack, Speaker, Microphone, and Type-C Charging Port.

- **Antenna:** For transmitting and receiving signals.
- **Power/Volume Switch:** Turns the radio on/off and adjusts volume.
- **Jacklight:** Built-in flashlight.
- **Indicator:** LED light indicating status (e.g., transmitting, receiving, charging).
- **LCD Screen:** Displays frequency, channel, and other operational information.
- **Transmitting Key (PTT):** Press to transmit, release to receive.
- **Side Keys 1 & 2:** Programmable function keys.
- **UP/DOWN Key:** Navigates menus and adjusts frequencies/channels.

- **EXIT Key:** Exits menus or functions.
- **Keypad:** For direct frequency input, channel selection, and menu navigation.
- **Microphone/Programming Jack:** Connects external microphone/earpiece or programming cable.
- **Speaker:** Outputs received audio.
- **Microphone:** For voice input during transmission.
- **Type-C Charging Port:** For charging the radio's battery.

3. SETUP

3.1 Battery Installation and Charging

1. **Install Battery:** Ensure the included 9V battery is correctly inserted into the battery compartment on the back of the radio. Align the battery contacts with the radio's terminals and slide the battery into place until it clicks securely.
2. **Attach Antenna:** Screw the antenna clockwise onto the connector at the top of the radio until it is finger-tight. Do not overtighten.
3. **Initial Charge:** Before first use, fully charge the radio. Connect the Type-C USB cable to the charging port on the side of the radio and plug the other end into a compatible USB power adapter (not included) or a computer USB port. The indicator light will show charging status.



Figure 2: The QUANSHENG UV-K5(8) radio with its Type-C charging cable connected, illustrating the charging process.

3.2 Powering On/Off

To power on the radio, rotate the Power/Volume switch clockwise. The LCD screen will illuminate, and you will hear a power-on tone. To power off, rotate the switch counter-clockwise until it clicks.

4. OPERATING INSTRUCTIONS

4.1 Basic Communication

1. **Select Frequency/Channel:** Use the UP/DOWN keys or the keypad to enter the desired frequency or select a pre-programmed channel.
2. **Adjust Volume:** Rotate the Power/Volume switch to adjust the listening volume.
3. **Transmit:** To speak, press and hold the Transmitting Key (PTT) on the side of the radio. Speak clearly into the microphone. Release the PTT key to stop transmitting and return to receive mode.
4. **Receive:** When not transmitting, the radio is in receive mode. You will hear incoming transmissions through

the speaker.

4.2 NOAA Weather Alerts

The radio includes a NOAA Emergency Weather Receiver. To activate or monitor NOAA weather channels, refer to the radio's menu system. Specific instructions for accessing NOAA alerts can be found in the detailed menu guide (not included in this basic manual, refer to full manufacturer documentation).



Figure 3: The radio's display showing NOAA Emergency Weather Receiver and AM/FM Aviation Band Receiving capabilities, with a background depicting a storm and an airplane.

4.3 AM/FM Aviation Band Receiving

The QUANSHENG UV-K5(8) can receive signals on the AM/FM aviation band. Access this feature through the radio's mode or band selection menu. This allows monitoring of air traffic communications.

4.4 Advanced Functions

The radio supports various advanced functions accessible via the menu system and programmable side keys:

- **DTMF:** Dual-Tone Multi-Frequency signaling for various control applications.

- **Multi-Scan:** Scans through frequencies or channels to find active transmissions.
- **Emergency Alert:** Activates an alarm or transmits an emergency signal.
- **CHIRP Support:** The radio is compatible with CHIRP software for computer-based programming of channels and settings.
- **Wireless Radio Replication:** Allows cloning settings from one radio to another wirelessly.
- **Power-on Password:** Set a password to prevent unauthorized use.
- **CTCSS/DCS:** Continuous Tone-Coded Squelch System / Digital Coded Squelch for filtering unwanted signals.

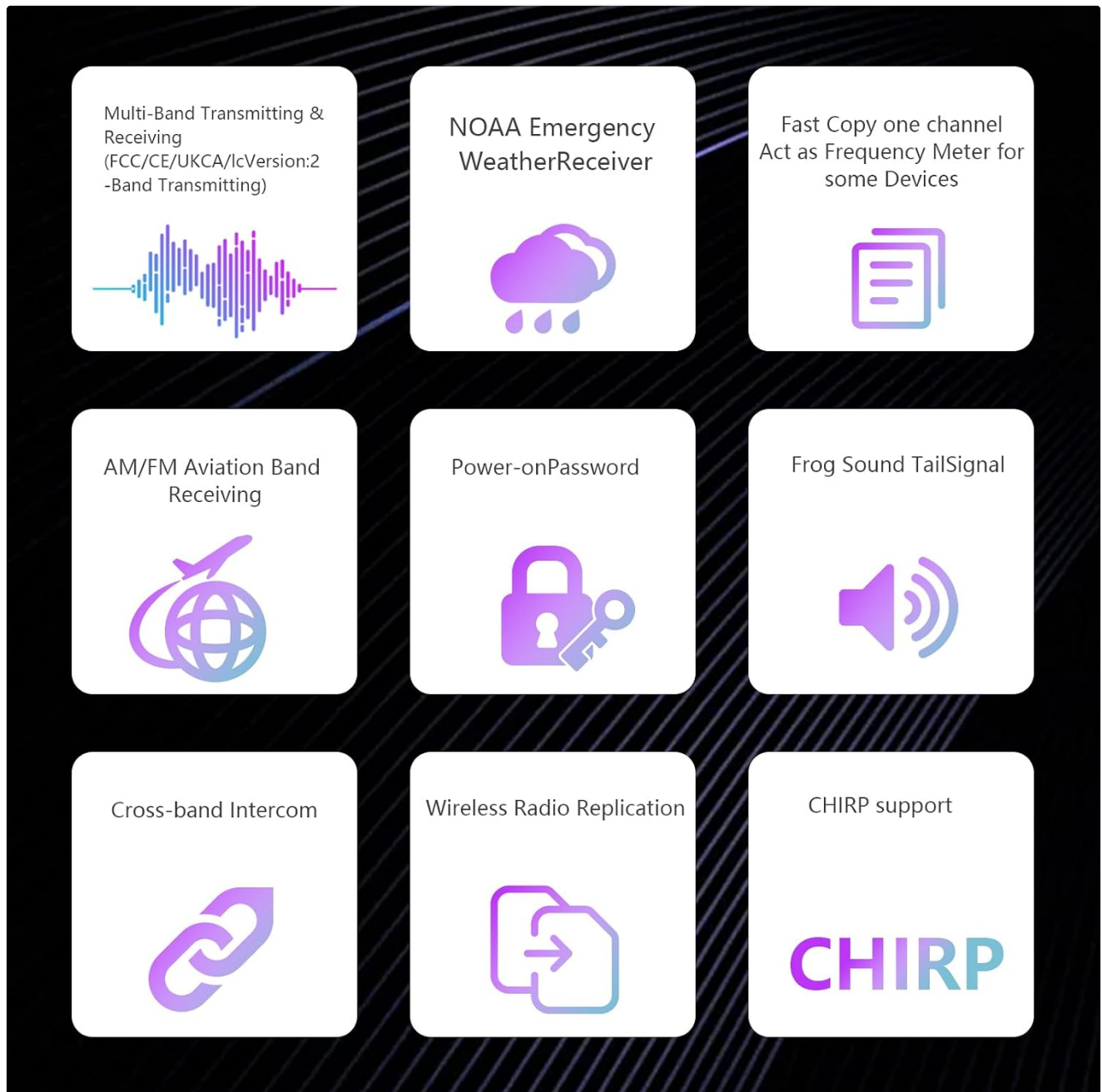


Figure 4: Visual representation of key features including Multi-Band Transmitting, NOAA, Fast Copy, AM/FM Aviation, Power-on Password, Frog Sound Tail Signal, Cross-band Intercom, Wireless Radio Replication, and CHIRP support.

MULTIPLE FUNCTIONS AND RICH CONFIGURATIONS



10-GROUP SCRAMBLER



DTMF



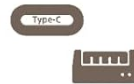
FM RDIO



EMERGENCY ALERT



MULTI-SCAN



TYPE-C OR BASE
CHARGER



ONE KEY CALL CHANNEL



CTCSS/DCS



200 CHANNELS



JACKLIGHT

Figure 5: Icons illustrating additional functions such as 10-Group Scrambler, DTMF, FM Radio, Emergency Alert, Multi-Scan, Type-C Charger, One Key Call Channel, CTCSS/DCS, 200 Channels, and Jacklight.

5. MAINTENANCE

5.1 Cleaning

Wipe the radio's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the charging port and microphone/speaker areas are free of dust and debris.

5.2 Battery Care

- Avoid fully discharging the battery frequently.
- Charge the battery in a cool, dry environment.
- If storing the radio for an extended period, charge the battery to approximately 50% and remove it from the radio if possible.

5.3 Storage

Store the radio in a dry, cool place away from direct sunlight and extreme temperatures. Keep it away from strong magnetic fields and corrosive substances.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is depleted or not properly installed.	Ensure battery is fully charged and correctly seated.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or out of range.	Verify frequency/channel settings. Check antenna connection. Move closer to the other radio or repeater.
Poor audio quality or static.	Weak signal, interference, or incorrect squelch setting.	Adjust squelch level. Move to an area with better signal. Check antenna.
Battery drains quickly.	High power transmission, frequent use, or aging battery.	Use lower power settings when possible. Consider replacing the battery if it's old.

7. SPECIFICATIONS

Feature	Detail
Brand	QUANSHENG
Model Number	UV-K5(8)
Number of Channels	200
Frequency Range (TX)	144-148 MHz (VHF), 430-450 MHz (UHF)
Frequency Range (RX)	AM(RX), FM(RX), 108-135.9975 MHz, 136-173.9975 MHz, 174-349.9975 MHz, 350-399.9975 MHz, 400-469.9975 MHz, 470-599.9975 MHz
Maximum Talk Range	5 Kilometers (approx. 3.1 miles)
Special Features	DTMF, NOAA Alerts, Type-C Charging, Jacklight
Battery Type	1x 9V battery (included)
Compatible Devices	Other Quansheng two-way radios (same frequency), USB-C chargers, headphones, earpieces
Included Components	Type-C charging capability, 1x 9V battery



Multi-Band Transmitting and Receiving

144-148MHz(TX)

430-450MHz(TX)

AM(RX)

FM(RX)

108-135.9975MHz(RX)

136-173.9975MHz(RX)

174-349.9975MHz(RX)

350-399.9975MHz(RX)

400-469.9975MHz(RX)

470-59.9975MHz(RX)

Figure 6: Detailed list of multi-band transmitting (TX) and receiving (RX) frequencies supported by the QUANSHENG UV-K5(8) radio.

8. WARRANTY INFORMATION

For detailed warranty information, please refer to the warranty card included with your product or visit the official QUANSHENG website. Warranty terms and conditions may vary by region and retailer.

9. SUPPORT

If you encounter any issues or require further assistance with your QUANSHENG UV-K6 UV-K5(8) radio, please contact QUANSHENG customer service or your authorized dealer. You may also find additional resources and FAQs on the official QUANSHENG website.

Website: www.quansheng.com (Example link, please verify official website)

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