

QUANSHENG UV-K5(8)

QUANSHENG K6 UVK5(8) Walkie Talkie Instruction Manual

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

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your QUANSHENG K6 UVK5(8) Multi-Band Walkie Talkie. Please read it thoroughly before use and retain it for future reference.

Safety Information

- Do not transmit without a proper antenna attached.
- Ensure battery is correctly installed and charged before use.
- Avoid exposing the device to extreme temperatures, direct sunlight, or moisture.
- Do not attempt to disassemble or modify the device. Refer servicing to qualified personnel.
- Adhere to all local regulations and licensing requirements for radio transmission.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Intercom Host (Walkie Talkie Unit)
- Li-Battery (1600mAh)
- Antenna
- Belt Clip
- Battery Charger (0.74m cable)
- User Manual
- Type-C Direct Charging Line (1m cable)
- Intercom Earphones

3. PRODUCT OVERVIEW

Components and Controls

The QUANSHENG K6 UVK5(8) features a robust design with intuitive controls. Familiarize yourself with the main components:



Figure 3.1: Front view of the QUANSHENG K6 UVK5(8) highlighting key features such as frequency meter, AM aviation band, Type-C charge, NOAA Weather Warn, SOS emergency alarm, and LCD screen display.

The device includes a frequency meter, AM aviation frequency band reception, Type-C charging port, one-click frequency matching, NOAA weather warning, UV multi-stage transmission and reception, interference frequency private intercom, SOS emergency alarm, cross-band intercom, wireless frequency replication, frog sound tail function, and an LCD screen display.



Figure 3.2: Multi-angle display of the QUANSHENG K6 UVK5(8) showing the front, side, and back views, including the belt clip and various ports.

The side of the radio features the Push-to-Talk (PTT) button, programmable function keys, and covered ports for the earpiece/microphone and Type-C charging.



Figure 3.3: The walkie talkie in use, illustrating its voice encryption and interference function for secure communication.

4. SETUP

Battery Installation

To install the battery, align the battery pack with the compartment on the back of the radio and slide it into place until it clicks securely. To remove, press the release latch and slide the battery out.



Figure 4.1: Rear view of the walkie talkie with the battery removed, showing the battery contacts and model information.

Antenna Attachment

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

5. OPERATING INSTRUCTIONS

Power On/Off and Volume

To power on the radio, rotate the top knob clockwise. Continue rotating to adjust the volume. To power off, rotate counter-clockwise until it clicks.

Video 5.1: A demonstration of the product's function buttons, including power on/off and volume control.

Channel Selection and Frequency Bands

Use the up/down arrow keys to navigate through channels or frequencies. The radio supports multi-segment transmission and reception across various bands including UHF, VHF, AM, and FM.



Figure 5.1: Display of the walkie talkie showing its multi-segment transmission and reception capabilities across UHF, VHF, AM, and FM bands.

Video 5.2: A demonstration of navigating the menu and adjusting settings on the UV-K6 walkie talkie.

NOAA Weather Forecast

The radio can receive NOAA weather forecasts, providing crucial weather alerts for outdoor activities. Refer to the manual for specific NOAA channel settings.



Figure 5.2: The walkie talkie displaying NOAA weather channel scan and alarm capabilities, useful for outdoor travel.

AM/FM Radio Reception

Enjoy AM and FM radio reception. Aviation enthusiasts can also receive airplane and tower communication information.



Figure 5.3: The walkie talkie highlighting its AM/FM aviation frequency band reception feature.

One-Button Frequency Matching / Wireless Replication

The device supports one-button frequency matching and wireless replication, allowing for quick and easy setup with other compatible radios. It can also act as a frequency meter for some devices.



Figure 5.4: The walkie talkie illustrating its 'Fast Copy One Channel' function, which also allows it to act as a frequency meter.

Video 5.3: A video demonstrating the interphone and wireless radio replication features of the Qiansheng UVK5.

Voice Encryption and Interference Function

Multiple secure encryption options ensure call privacy and security, minimizing interference.

SOS Emergency Alarm

Activate the SOS emergency alarm function in critical situations to alert others.

6. CHARGING

Dual Charging Methods

The QUANSHENG K6 UVK5(8) offers versatile charging options:

- **Type-C Charging:** Connect the provided Type-C cable directly to the radio's Type-C port for convenient charging.
- **Desktop Charger:** Place the radio in the included desktop charging cradle. Ensure the contacts align for proper charging.



Voice encryption Interference function

Multiple secure encryption ensures call privacy and security

Figure 6.1: The walkie talkie demonstrating its dual charging capability via Type-C direct charging and a desktop charging base.

Video 6.1: A detailed look at the UV-K6 two-way radio, including its Type-C charging port and earpiece port.

7. SPECIFICATIONS

Feature	Specification
Model Number	UV-K5(8)
Signal Channels	200
FM Radio Storage	20 Stations
Frequency Stability	±1ppm
Dimensions	115mm x 60mm x 37.5mm (4.53"W x 1.48"D x 1.48"H)
Weight	234g (7 ounces)
Operating Temperature	-20°C to +60°C
Antenna Impedance	50 ohms
Modulation Mode	FM: 11K0F3E (12.5KHz), 16K0F3E (25KHz)

Feature	Specification
Transmit Power	5W
Transmit Current	$\leq 1.5\text{A}$
Maximum Frequency Offset	$\leq 5\text{KHz}$ (25KHz), $\leq 2.5\text{KHz}$ (12.5KHz)
Modulation Distortion	$\leq 5\%$
NOAA Channel Number	10
Battery Capacity	1600mAh
Audio Power	$\geq 0.5\text{W}$
Audio Distortion	$\leq 10\%$
Reference Sensitivity (FM)	F1(50~76) -121dBm, F2(108~135.9975) -121dBm, F3(136~173.9975) -123dBm, F4(174~349.9975) -123dBm, F5(350~399.9975) -123dBm, F6(400~469.9975) -123dBm, F6(470~599.9975) -121dBm
Reference Sensitivity (WFM)	WFM(76~108) -110dBm
Reference Sensitivity (AM)	F2(108~135.9975) -113dBm
Water Resistance Level	Not Water Resistant
Display Type	LCD

8. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the radio in a cool, dry place when not in use. Remove the battery if storing for extended periods.
- **Battery Care:** Fully charge the battery before first use. Avoid overcharging or completely draining the battery to prolong its lifespan.

9. TROUBLESHOOTING

Problem	Possible Solution
Radio does not power on	Ensure the battery is fully charged and correctly installed. Check the power knob.
No reception or poor audio quality	Check antenna connection. Verify frequency/channel settings. Adjust squelch level. Ensure you are within range of other radios or repeaters.
Cannot transmit	Confirm you are on a valid transmitting frequency. Check battery level. Ensure PTT button is functioning correctly.
Battery not charging	Check Type-C cable or desktop charger connection. Ensure power adapter is working. Verify battery contacts are clean.

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact QUANSHENG customer support. Optional protection plans are available for extended coverage.

For technical assistance or further inquiries, please visit the official QUANSHENG website or contact their authorized service centers.