

QUANSHENG UV-K5(99)

QUANSHENG UV-K5(99) Ham Radio Handheld Instruction Manual

Model: UV-K5(99) | Brand: QUANSHENG

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your QUANSHENG UV-K5(99) Ham Radio Handheld. Please read this manual thoroughly before using the device to ensure proper functionality and to understand all features and safety precautions.

WHAT'S IN THE BOX

Upon unpacking, please verify that all items listed below are present and in good condition:

- Intercom Host (Radio Unit)
- Li-Battery
- Antenna
- Belt Clip
- Desktop Charger
- User Manual
- Type-C Direct Charging Line
- Intercom Earphones



Figure 1: Package Contents of the UV-K5(99)

PRODUCT OVERVIEW

Familiarize yourself with the various parts and controls of your UV-K5(99) radio:



Figure 2: UV-K5(99) Component Diagram

- **Antenna:** For transmitting and receiving signals.
- **Volume/Switch Knob:** Controls power on/off and audio volume.
- **Flashlights:** Integrated LED for illumination.
- **Screen:** Displays frequency, channel, and status information.
- **Headset Interface:** Port for connecting external audio accessories.
- **PTT Key (Push-to-Talk):** Activates transmission.
- **A/B Switch Key:** Toggles between upper and lower display frequencies.
- **Side Keys (SideKeys1, SideKeys2):** Programmable function keys.
- **Scroll Down:** Navigates menus and frequencies.
- **Menu and Confirmation Key:** Accesses menu and confirms selections.
- **Speaker:** Audio output.

1. Battery Installation

1. Ensure the radio is powered off.
2. Align the battery pack with the grooves on the back of the radio.
3. Slide the battery upwards until it clicks securely into place.
4. To remove, press the release latch (if present) and slide the battery downwards.

2. Antenna Attachment

1. Screw the antenna clockwise into the connector on the top of the radio until it is finger-tight. Do not overtighten.

3. Belt Clip Installation

1. Align the belt clip with the designated slot on the back of the radio.
2. Secure the belt clip using the provided screws or by sliding it into place until it locks.

4. Initial Charging

Before first use, fully charge the battery. The radio supports two charging methods:

- **Desktop Charger:** Place the radio (with battery installed) into the desktop charging cradle. Ensure the charging contacts align. The indicator light will show charging status.
- **USB-C Direct Charging:** Connect the provided USB-C cable to the USB-C port on the battery (or radio, if applicable) and to a compatible USB power source (e.g., power bank, car charger, computer USB port).



Figure 3: Dual Charging Methods

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Control

Rotate the Volume/Switch Knob clockwise to power on the radio. Continue rotating to increase volume.

Rotate counter-clockwise to decrease volume and power off.

2. Frequency and Channel Selection

- **VFO Mode (Frequency Mode):** Allows direct frequency input. Use the keypad to enter desired frequencies.
- **Channel Mode:** Accesses pre-programmed channels. Use the up/down keys or the rotary knob to select channels.
- **A/B Switch Key:** Press the A/B key to switch between the upper and lower frequency displays, allowing monitoring of two frequencies simultaneously.

3. Full Band Scan & Air Band Reception

The UV-K5(99) supports ultra-wide band reception from 20MHz to 1000MHz. It includes a dedicated AM Air Band mode (108-136MHz) for monitoring aviation communications. Use the scan function to search for active frequencies within the selected band.



Figure 4: Air Band Reception

4. Wireless Frequency Copy (One-Key Frequency Match)

This feature allows instant detection and synchronization of frequency and CTCSS/DCS tones from other nearby two-way radios without computer programming. Activate this function (typically F+4) and point your radio towards the transmitting device.



Figure 5: Wireless Frequency Copy in action

5. Dual Watch

The Dual Watch feature allows you to monitor two different frequencies simultaneously. If a signal is detected on either frequency, the radio will automatically switch to that frequency for reception.

6. VOX (Voice Operated Exchange)

VOX enables hands-free operation. When activated, the radio will automatically transmit when it detects your voice, eliminating the need to press the PTT button.

7. DTMF Signaling

DTMF (Dual-Tone Multi-Frequency) signaling can be used for various functions, including repeater access and remote control applications. Refer to the specific DTMF codes for your intended use.

8. Flashlight Function

The built-in high-brightness LED flashlight can be activated for illumination. Refer to the user interface for specific key presses to toggle the flashlight on/off or activate SOS mode.



Figure 6: Strong Light Flashlight

SAFETY FEATURES

1. NOAA Weather Alert

The UV-K5(99) can receive 10 NOAA weather channels with an auto-scan feature to alert you to severe weather conditions such as storms and tornadoes. This feature is crucial for emergency preparedness.

2. Emergency Alarm

A remote emergency alarm function is integrated for critical situations, providing an audible alert to signal distress.

PERFORMANCE & COMPLIANCE

The UV-K5(99) delivers 5 Watts of high power for clear long-distance communication on VHF (136-174MHz) and UHF (400-470MHz) bands. It supports repeater access for extended range.

Note: FCC ID: XBPUV-K5. Please adhere to local regulations. Transmitting on Amateur Radio frequencies requires a valid FCC license.



CERTIFICATE of EXAMINATION



Certificate Validation

NOTIFIED BODY EU-TYPE EXAMINATION CERTIFICATE
 AGCC2651-EU / 8 Mar 2023 / Rev A
 Radio Equipment Directive (RED) 2014/53/EU

MCOM Labs Inc., Notified Body Number 2280 declares, on the basis of the assessment of the tests and the technical documentation provided by the applicant that the following product complies with the essential requirements of the above noted Directive.

Product Name:
Two Way Radio


Approval Holder Name:
QUANSHENG ELECTRONICS CO., LTD.





MICOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA
 Notified Body Number: 2280

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Notified Body EU-Type Examination Certificate
 AGCC2651-EU / 8 Mar 2023 / Rev A
 for Radio Equipment Directive (RED) 2014/53/EU

Product Name:
Two Way Radio

Product Model Numbers: UV-K5, UV-K5(2), UV-K5(6), UV-K5(8), UV-K5(9), UV-K5(11), UV-K5(22), UV-K5(66), UV-K5(88), UV-K5(99)
 Brand Name: Quansheng

Approval Holder: **QUANSHENG ELECTRONICS CO., LTD.**, No 82, Quzhong Industry Area Xiamen Town, Nanan City Fujian Province China

Product Manufacturer: **QUANSHENG ELECTRONICS CO., LTD.**, No 82, Quzhong Industry Area Xiamen Town, Nanan City Fujian Province China

Standards	Name
Group	Name
Article 3.1(a) Health & Safety	EN IEC/IEEE 62209-1528:2021 EN 50566:2017 EN IEC 62368-1:2020+A11:2020
Article 3.1(b) Electromagnetic Compatibility	EN 301 489-1 V2.2.3 EN 301 489-15 V2.2.1 EN 55032:2015/A11:2020 EN IEC 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 EN 55035:2017/A11:2020
Article 3.2 Effective Use of Spectrum	EN 301 783 V2.1.1 EN 303 345-1 V1.1.1 EN 303 345-3 V1.1.1

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TCB

GRANT OF EQUIPMENT AUTHORIZATION
 Certification
 Issued Under the Authority of the
 Federal Communications Commission

TCB

By:
 MICOM Labs
 575 Boulder Court
 Pleasanton, CA 94566

QUANSHENG ELECTRONICS CO., LTD.
 No 82, Quzhong Industry Area
 Xiamen Town, Nanan City
 Fujian Province,
 China

Attention: FEIJI CHEN, Manager

Date of Grant: 03/09/2023
 Application Date: 03/09/2023

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: **KBPUV-K5**
 Name of Grantee: **QUANSHENG ELECTRONICS CO., LTD.**
 Equipment Class: **Scanning Receiver**
 Notes: **Two Way Radio**

Grant Notes	FCC Rule Parts	Frequency Range (MHz)	Output Watts	Frequency Tolerance	Emission Designator
	150	50.0 - 76.0			
	150	76.0 - 105.0			
	150	136.0 - 174.0			
	150	174.0 - 350.0			
	150	350.0 - 470.0			
	150	470.0 - 600.0			



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FCC IDENTIFIER: **XBPUV-K5**
 Name of Grantee: **QUANSHENG ELECTRONICS CO., LTD.**
 Equipment Class: **Other Non-Digital SDOc Devices**
 Notes: **Two Way Radio**

Grant Notes	FCC Rule Parts	Frequency Range (MHz)	Output Watts	Frequency Tolerance	Emission Designator
	150	106.0 - 136.0			



Figure 7: Compliance Certifications

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid harsh chemicals or abrasive cleaners.

- **Battery Care:** To prolong battery life, avoid overcharging or fully discharging the battery frequently. Store the radio and battery in a cool, dry place.
- **Storage:** When not in use for extended periods, remove the battery and store the radio in a protective case.

TROUBLESHOOTING

If you encounter issues with your UV-K5(99), please refer to the following common solutions:

- **No Power:** Ensure the battery is correctly installed and fully charged. Check the power knob.
- **Cannot Transmit:** Verify that you are on a valid frequency and have the necessary license. Check antenna connection.
- **Poor Reception:** Ensure the antenna is securely attached. Check for obstructions or interference. Adjust squelch level.
- **Display Issues:** Try restarting the radio. If issues persist, consult the full user manual or contact customer support.

SPECIFICATIONS

Item Weight	0.2 Kilograms (7 ounces)
Product Dimensions	1.48"D x 1.48"H (3.76 x 3.76 cm)
Model Number	UV-K5(99)
Batteries	1 Lithium Ion battery required (included)
Display Type	LCD
Number of Channels	200
Special Feature	Weather Alert
Frequency Range	20-1000 MHz
Talking Range Maximum	10 Kilometer
Water Resistance Level	Not Water Resistant

WARRANTY & SUPPORT

The product comes with a 2-year warranty. For technical support, troubleshooting assistance, or warranty claims, please contact QUANSHENG customer service through their official website or the retailer where the product was purchased.