BAOFENG UV-K61

BAOFENG UV-K61 Ham Radio User Manual

Model: UV-K61

1. Introduction

Thank you for choosing the BAOFENG UV-K61 Ham Radio. This two-way radio is designed for versatile communication, offering an impressive 999 channels suitable for professional, emergency, and outdoor adventure use. With features like USB-C charging, wireless frequency copying, and NOAA weather alerts, the UV-K61 ensures reliable and convenient communication in various situations.

This manual provides detailed instructions on how to set up, operate, and maintain your UV-K61 radio to ensure optimal performance and longevity.



Figure 1.1: BAOFENG UV-K61 Ham Radio with all included accessories.

2. What's in the Box

Upon opening the package, please verify that all the following components are included:

- 1x BAOFENG UV-K61 Radio
- 1x 2600mAh High Capacity Battery
- 1x High Gain Antenna
- 1x USB-C Charger Cable
- 1x Charger Dock (US base charger)
- 1x Belt Clip
- 1x Hand Strap
- 1x User Manual (this document)
- 1x 48cm/18.89in Foldable Tactical Antenna
- 1x Headset



Figure 2.1: All components included in the BAOFENG UV-K61 package.

3. Product Overview and Parts Identification

Familiarize yourself with the various parts and controls of your BAOFENG UV-K61 radio for effective operation.



Figure 3.1: Front and side view of the UV-K61 radio with key components labeled, including Antenna, Volume & Power knob, Flashlight, PTT Key, 1.44" LCD Screen, 2-pin K Port, V/M-VFO/MR button, A/B Select Key, Speaker, Exit Key, Keypad, and Menu Key. Dimensions are also indicated.

- **Antenna:** For transmitting and receiving signals.
- **Volume & Power Knob:** Turns the radio on/off and adjusts volume.
- **Flashlight:** Built-in LED light.
- **PTT (Push-to-Talk) Key:** Press and hold to transmit, release to receive.
- **1.44" LCD Screen:** Displays channel, frequency, battery status, and menu options.
- **2-pin K Port:** For connecting accessories like headsets or programming cables.
- **V/M-VFO/MR Button:** Switches between Frequency Mode (VFO) and Channel Mode (MR).
- **A/B Select Key:** Switches between upper and lower display lines for dual-band operation.
- **Speaker:** Outputs audio.
- **Exit Key:** Exits menu or cancels current operation.
- **Keypad:** For entering frequencies, channel numbers, and menu navigation.
- **Menu Key:** Accesses the radio's menu settings.

4. Setup

4.1 Battery Installation

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

4.2 Antenna Attachment

1. Screw the antenna clockwise into the connector on the top of the radio until it is finger-tight. Do not overtighten.
2. Ensure a secure connection for optimal performance.

4.3 Charging the Battery

The UV-K61 comes with a 2600mAh rechargeable battery and multiple charging options.



Figure 4.1: The 2600mAh high-capacity battery features a USB-C port for direct charging and an LED indicator: Red for charging, Green for fully charged.



Figure 4.2: The UV-K61 can be charged via USB-C cable directly from a laptop, USB power source, car charger, or power bank. It also includes a dedicated charger dock for convenient charging.

- **Using the USB-C Cable:** Connect the USB-C cable to the port on the battery or radio, and plug the other end into any standard USB power source (e.g., power bank, car charger, laptop, wall adapter).
- **Using the Charger Dock:** Place the radio with the battery installed into the charger dock. Ensure the charging contacts align. The LED indicator on the charger dock will show charging status (typically red for charging, green for fully charged).

5. Operating Instructions

5.1 Power On/Off and Volume Control

Rotate the Volume & Power knob clockwise to turn the radio on. Continue rotating clockwise to increase the volume. Rotate counter-clockwise to decrease volume and turn the radio off.

5.2 Channel Selection (999 Channels)

The UV-K61 supports up to 999 channels. You can switch between Frequency Mode (VFO) and Channel Mode (MR) using the **V/M-VFO/MR** button. In Channel Mode, use the keypad to enter channel numbers or the up/down

arrow keys to navigate through stored channels.

5.3 VOX Function (Voice Operated Transmit)

The VOX function allows for hands-free transmission. When enabled, the radio will automatically transmit when it detects your voice. To activate/deactivate VOX, navigate to the VOX setting in the menu and adjust the sensitivity level.

5.4 Wireless Frequency Copying

The UV-K61 simplifies programming by allowing you to wirelessly copy frequencies from other radios. This is ideal for quick setup in various situations.

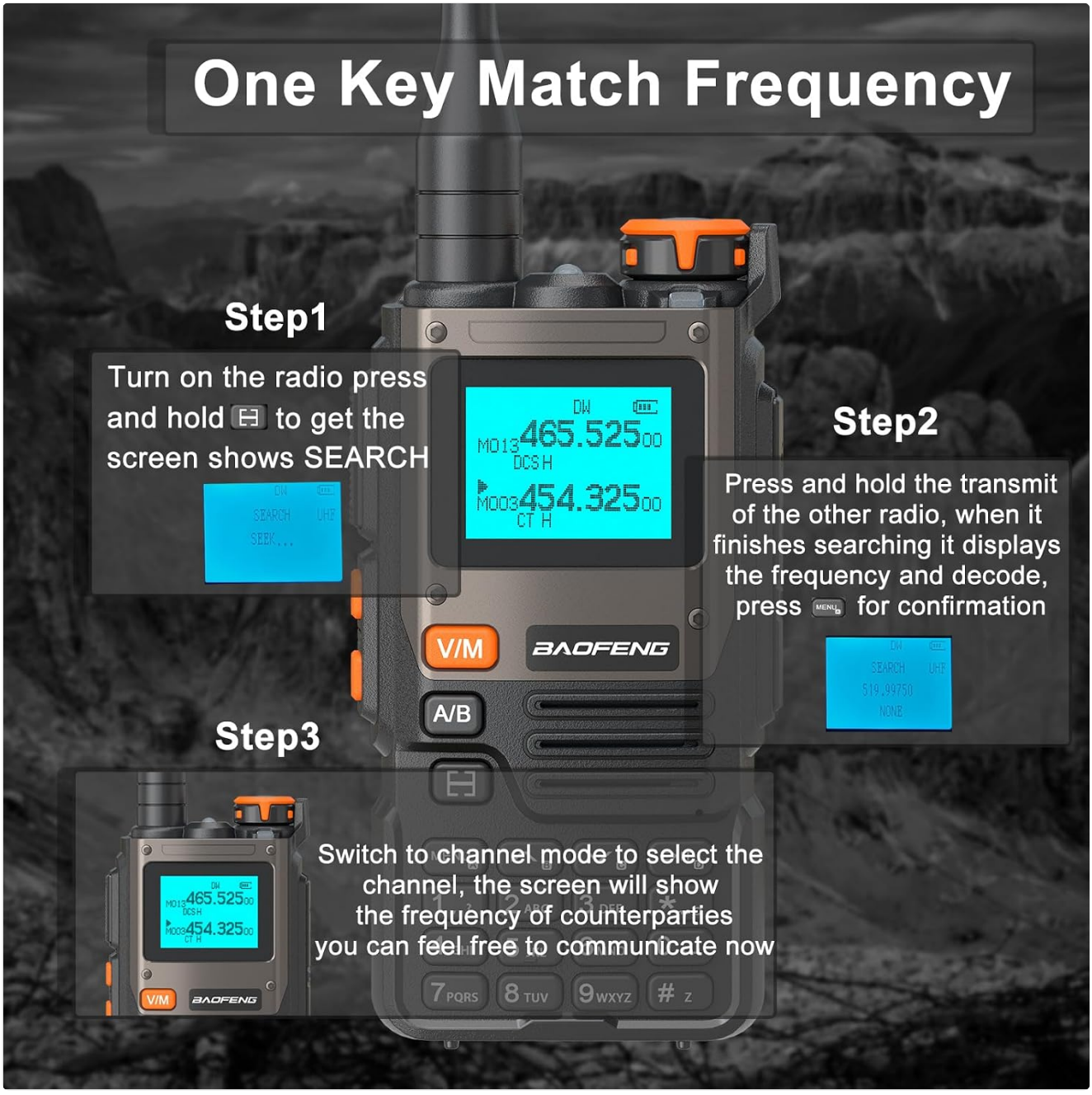


Figure 5.1: Step-by-step guide for wireless frequency copying. **Step 1:** Turn on the radio, press and hold the V/M button until the screen shows 'SEARCH'. **Step 2:** Press and hold the transmit button of the other radio. When the UV-K61 finishes searching, it will display the frequency and decode. Press the MENU button for confirmation. **Step 3:** Switch to channel mode to select the channel. The screen will show the frequency of the counterpart, allowing immediate communication.

5.5 NOAA Weather Channels

Stay informed about severe weather conditions with the UV-K61's built-in NOAA receiver. It provides access to 10 channels that scan and deliver real-time weather reports. To access NOAA channels, navigate to the NOAA feature

in the radio's menu.

5.6 Flashlight

The integrated flashlight can be activated via a dedicated button or menu option (refer to your radio's specific button layout for exact activation).

5.7 AM/FM Radio

The UV-K61 includes an AM/FM radio function for entertainment. Access this feature through the menu or a dedicated button, then use the keypad or scan function to tune to desired stations.

6. Maintenance

6.1 Cleaning

Wipe the radio's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the radio is dry before use or storage.

6.2 Battery Care

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

6.3 Storage

Store the radio in a cool, dry environment, away from direct sunlight, extreme temperatures, and corrosive materials. Keep it away from dust and moisture.

7. Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on	Battery is dead or not installed correctly	Charge the battery; ensure battery is securely installed.
No sound from speaker	Volume too low; Speaker damaged; Channel busy	Increase volume; Check for obstructions; Wait for channel to clear.
Cannot transmit or receive	Incorrect frequency/channel; Antenna loose; Battery low	Verify frequency/channel settings; Re-attach antenna; Charge battery.
Poor audio quality	Weak signal; Interference; Antenna issue	Move to an open area; Check antenna connection; Avoid sources of interference.
Wireless frequency copy fails	Other radio not transmitting; Too far apart; Interference	Ensure the other radio is transmitting; Reduce distance; Try again in a clear area.

8. Specifications

Feature	Specification

Feature	Specification
Model Number	UV-K61
Number of Channels	999
Battery Capacity	2600mAh Lithium Ion (included)
Charging Options	USB-C, Charger Dock
Special Features	Multi-Band (AM/FM), One Key Match Frequency, 10 NOAA Weather Alarm, VOX Function, Flashlight
Talking Range Maximum	5 Kilometer
Tuner Technology	AM/FM
Voltage	7.4 Volts (DC)
Water Resistance Level	Not Water Resistant
Product Dimensions	1.37"D x 2.16"W x 4.72"H
Item Weight	1.43 pounds
Country of Origin	China

9. Warranty Information

The BAOFENG UV-K61 Ham Radio comes with a**1-year warranty**. This warranty is provided exclusively through "Shiqun Electronics Co., Ltd." Please retain your proof of purchase for any warranty claims.

10. Customer Support

For further assistance, technical support, or inquiries regarding your BAOFENG UV-K61 radio, please contact the seller or refer to the official BAOFENG website for support resources.

We recommend visiting the official BAOFENG store on Amazon for additional product information and support:

Visit the BAOFENG Store on Amazon

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