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BAOFENG UV-K61

BAOFENG UV-K61 Walkie Talkie User Manual

Model: UV-K61

1. Introduction

The BAOFENG UV-K61 is a versatile two-way radio designed for reliable communication across various environments. Featuring 999 channels, USB-C charging, wireless frequency copying, and NOAA weather channel reception, it is suitable for professional, emergency, and outdoor use. This manual provides detailed instructions for the proper setup, operation, and maintenance of your UV-K61 radio.

2. What's in the Box



Image: The BAOFENG UV-K61 radio with all standard accessories, including the tactical antenna, speaker mic, battery, charger, and cables.

- 1x BAOFENG UV-K61 Radio
- 1x 2600mAh High Capacity Battery
- 1x High Gain Antenna
- 1x USB-C Charger Cable
- 1x Charger Dock
- 1x Belt Clip
- 1x Hand Strap
- 1x User Manual
- 1x 48cm/18.89in Foldable Tactical Antenna
- 1x Headset
- 1x Shoulder Speaker Microphone

3. Product Overview



Image: Labeled diagram showing the various parts of the BAOFENG UV-K61 radio, including antenna, flashlight, PTT key, LCD screen, keypad, and ports.

Familiarize yourself with the main components of your UV-K61 radio:

- **Antenna:** For transmitting and receiving signals.
- **Volume & Power Knob:** Turns the radio on/off and adjusts volume.
- **1.44" LCD Screen:** Displays channel, frequency, battery status, and menu options.
- **PTT (Push-to-Talk) Key:** Press and hold to transmit, release to receive.
- **Flashlight:** Built-in LED light for illumination.
- **Alarm Switch:** Activates an emergency alarm.
- **Radio / Monitor Key:** Toggles between radio and monitor functions.
- **Sweep Key:** Initiates frequency scanning.
- **Menu Key:** Accesses the radio's settings menu.
- **V/M-VFO/MR Key:** Switches between Frequency Mode (VFO) and Channel Mode (MR).
- **A/B Select Key:** Selects the upper or lower display line for operation.
- **Speaker:** Outputs audio.
- **Exit Key:** Exits current menu or function.
- **Keypad:** For entering frequencies, channel numbers, and menu selections.
- **2-pin K Port:** For connecting accessories like headsets or programming cables.

4. Setup

4.1 Battery Installation and Charging



Image: The 2600mAh Li-ion battery for the UV-K61, showing LED indicators for charging status (Red: Charging, Green: Charged).



Image: Demonstrates various charging methods for the UV-K61, including USB-C direct charging, charger dock, laptop, USB power bank, and car charger.

1. **Install Battery:** Align the battery with the grooves on the back of the radio and slide it upwards until it clicks into place. To remove, press the release latch and slide the battery downwards.
2. **Charge Battery:** The UV-K61 offers multiple charging options:
    - **USB-C Direct Charging:** Connect the provided USB-C cable directly to the radio's USB-C port and a compatible power source (e.g., power bank, laptop, USB wall adapter).
    - **Charger Dock:** Place the radio (with battery installed) into the charger dock. Connect the charger dock to a power outlet using the US base charger.

    The LED indicator on the battery or charger dock will show red during charging and turn green when fully charged.

4.2 Antenna Attachment

Screw the desired antenna (high gain or foldable tactical antenna) clockwise onto the antenna connector at the top of

the radio until it is finger-tight. Do not overtighten.

4.3 Speaker Microphone / Headset Attachment

Open the rubber cover on the side of the radio to expose the 2-pin K port. Insert the plug of the shoulder speaker microphone or headset firmly into the port.

5. Operating Instructions

5.1 Power On/Off and Volume Adjustment

To power on the radio, rotate the Volume & Power knob clockwise. Continue rotating to increase the volume. To power off, rotate the knob counter-clockwise until it clicks.

5.2 Channel Selection (999 Channels)

The UV-K61 supports up to 999 channels. To switch between Frequency Mode (VFO) and Channel Mode (MR), press the **V/M-VFO/MR** key. In Channel Mode, use the Up/Down arrow keys or the keypad to select a desired channel.

5.3 Wireless Frequency Copying

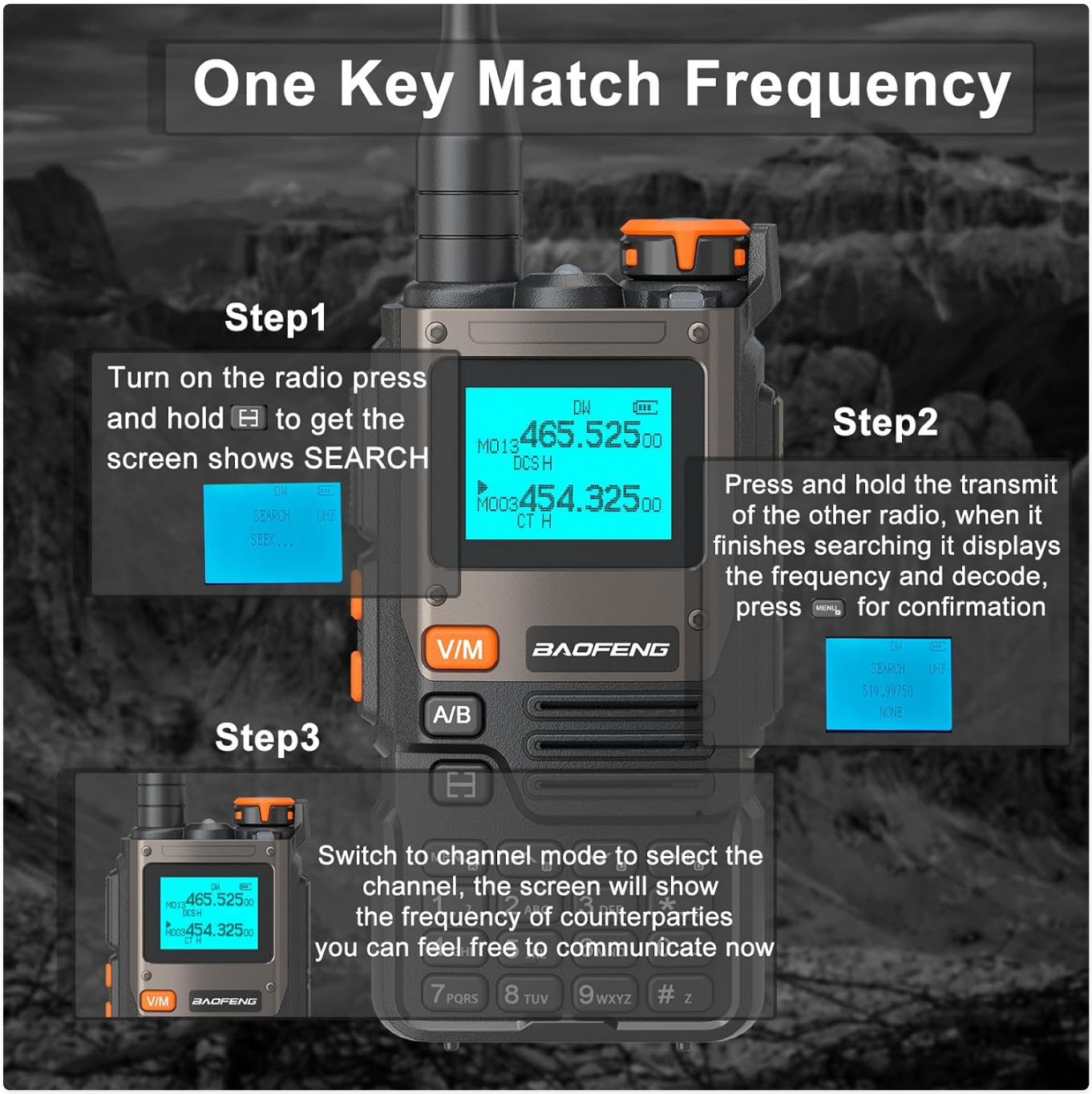


Image: Step-by-step guide for using the One Key Match Frequency feature on the UV-K61 to wirelessly copy frequencies from another radio.

This feature allows for quick and easy frequency synchronization with other radios:

1. **Step 1:** Turn on the UV-K61 radio. Press and hold the**V/M** button until the screen displays "SEARCH".
2. **Step 2:** On the other radio you wish to copy from, press and hold its transmit button. The UV-K61 will search for and display the frequency and decode information. Once found, press the **MENU** button on the UV-K61 to confirm.
3. **Step 3:** Switch the UV-K61 to channel mode. The screen will now show the copied frequency, allowing you to communicate.

5.4 NOAA Weather Channels



Image: The UV-K61 radio with an overlay indicating its 10 NOAA Weather Alert channels, set against a stormy background.

The UV-K61 includes a built-in NOAA receiver with 10 channels to provide real-time weather alerts. To access NOAA channels, navigate through the menu or use a dedicated function if available (refer to the full manual for specific key combinations). This feature helps you stay informed about severe weather conditions.

5.5 Other Functions



Image: Graphic displaying key features of the UV-K61, including 999 Channels, Frequency Copy, VOX Function, 2600mAh battery, Flashlight, 10 NOAA Channels, FM Radio, and AM Radio.

- **VOX Function:** Voice-operated transmit allows hands-free operation. Activate and adjust sensitivity in the menu.
- **Flashlight:** Press the dedicated flashlight button to turn the LED light on/off.
- **FM Radio:** The radio can receive commercial FM radio broadcasts. Access this function via the menu.
- **AM Radio:** The radio also supports AM radio reception.

5.6 LCD Display



Image: A magnified view of the UV-K61's 1.44-inch LCD screen, highlighting its dual display capability and clear readability.

The 1.44-inch LCD screen provides a clear display for both day and night use. It features a dual display, allowing you to monitor two frequencies or channels simultaneously. The English menu (ENG Menu) ensures easy navigation through settings and functions.

6. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's surface. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** To prolong battery life, avoid overcharging or completely draining the battery. Store the radio and battery in a cool, dry place when not in use for extended periods.
- **Antenna:** Ensure the antenna is securely attached but do not overtighten. Avoid bending or stressing the antenna.
- **Storage:** When storing the radio for a long time, remove the battery.

7. Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on	Low or dead battery; Battery not properly installed	Charge the battery; Reinstall the battery correctly
Cannot transmit or receive	Incorrect frequency/channel; Antenna loose or damaged; Out of range	Verify frequency/channel settings; Check antenna connection; Move closer to other radios
Poor audio quality	Low volume; Interference; Speaker/mic issue	Adjust volume; Move away from interference sources; Test with another speaker/mic if possible
Battery drains quickly	Old battery; Excessive transmission; High backlight usage	Replace battery if old; Reduce transmission time; Adjust backlight settings

8. Specifications

Feature	Specification
Model Number	UV-K61
Number of Channels	999
Battery Type	1 Lithium Ion battery (included)
Battery Capacity	2600mAh
Charging	USB-C, Charger Dock
Tuner Technology	AM/FM
Talking Range Maximum	5 Kilometer
Voltage	7.4 Volts (DC)
Product Dimensions	1.37 x 2.16 x 4.72 inches
Item Weight	1.61 pounds
Water Resistance Level	Not Water Resistant
Manufacturer	BAOFENG Electronics Co., Ltd
Country of Origin	China

9. Warranty and Support

9.1 Warranty Information

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

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific contact details.

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