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BAOFENG UV-K61

BAOFENG UV-K61 Two-Way Radio Instruction Manual

Model: UV-K61

1. Introduction

This manual provides detailed instructions for the proper use and maintenance of your BAOFENG UV-K61 two-way radio. Please read this manual thoroughly before operating the device to ensure safe and efficient communication. Keep this manual for future reference.

2. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- 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 (this document)
- 1x 771 Antenna



Image 2.1: Contents of the BAOFENG UV-K61 package, including the radio, battery, antennas, charging accessories, belt clip, and hand strap.

3. Product Overview

The BAOFENG UV-K61 is a versatile two-way radio designed for reliable communication. It features a 1.44-inch LCD screen, 999 channels, multi-band reception (AM/FM), NOAA weather alerts, and a 2600mAh rechargeable battery.

3.1. Radio Components



Image 3.1: Front and side view of the BAOFENG UV-K61 radio with key components labeled, including the antenna, volume/power knob, PTT key, flashlight, alarm switch, radio/monitor button, sweep key, menu key, 1.44" LCD screen, 2-pin K port, V/M-VFO/MR button, A/B select key, speaker, exit key, and keypad. Dimensions are also indicated.

3.2. Key Features

- **999 Channels:** Extensive channel capacity for diverse communication needs.
- **Multi-Band Reception:** Supports AM and FM frequencies.
- **NOAA Weather Alert:** Access to 10 NOAA channels for real-time weather updates.
- **Wireless Frequency Copying:** Simplifies programming by copying frequencies from other radios.
- **2600mAh Battery:** High-capacity rechargeable battery for extended use.
- **USB-C Charging:** Convenient charging via USB-C cable, power bank, car, or laptop.
- **VOX Function:** Voice-activated transmission for hands-free operation.
- **Built-in Flashlight:** For illumination in low-light conditions.

4. Setup

4.1. Battery Installation

1. Align the 2600mAh Lithium-Ion battery with the battery compartment on the back of the radio.
2. Gently slide the battery into place until it clicks securely.
3. To remove, press the release latch (if present) and slide the battery out.

4.2. Charging the Battery

The UV-K61 offers multiple charging options:

- **Using the Charger Dock:** Place the radio (with battery installed) into the charger dock. Connect the charger dock to a power outlet using the provided adapter.

- **Using USB-C Cable:** Connect the USB-C charging cable directly to the USB-C port on the side of the radio. Connect the other end to a USB power source (e.g., power bank, car charger, laptop).



Image 4.1: The BAOFENG UV-K61 radio highlighting its 2600mAh high-capacity battery, USB-C charging capability, and LED indicators for charging status (Red for Charging, Green for Charged).



Image 4.2: Demonstrates multiple charging methods for the BAOFENG UV-K61, including laptop, USB port, car charger, charger bank, and the dedicated charger dock.

LED Indicator Status:

- **Red Light:** Charging in progress.
- **Green Light:** Charging complete.

5. Operating Instructions

5.1. Power On/Off

To power on the radio, rotate the **Volume/Power** knob clockwise until you hear a click. To power off, rotate the knob counter-clockwise until it clicks.

5.2. Channel Selection

The UV-K61 supports up to 999 channels. Use the keypad to directly enter a channel number or use the up/down arrow keys to navigate through channels. Press the **V/M** button to switch between Frequency (VFO) mode and

Channel (MR) mode.

5.3. Wireless Frequency Copying (One Key Match Frequency)

This feature allows you to quickly copy frequencies from another radio.

1. **Step 1:** Turn on your BAOFENG UV-K61 radio. Press and hold the**V/M** button. The screen will display "SEARCH".
2. **Step 2:** On the other radio, press and hold its transmit button. Your UV-K61 will search for and display the frequency and decode information. Once searching is complete, press the **MENU** button for confirmation.
3. **Step 3:** Switch your UV-K61 to channel mode. Select the desired channel, and the screen will show the frequency of the other radio, allowing you to communicate.

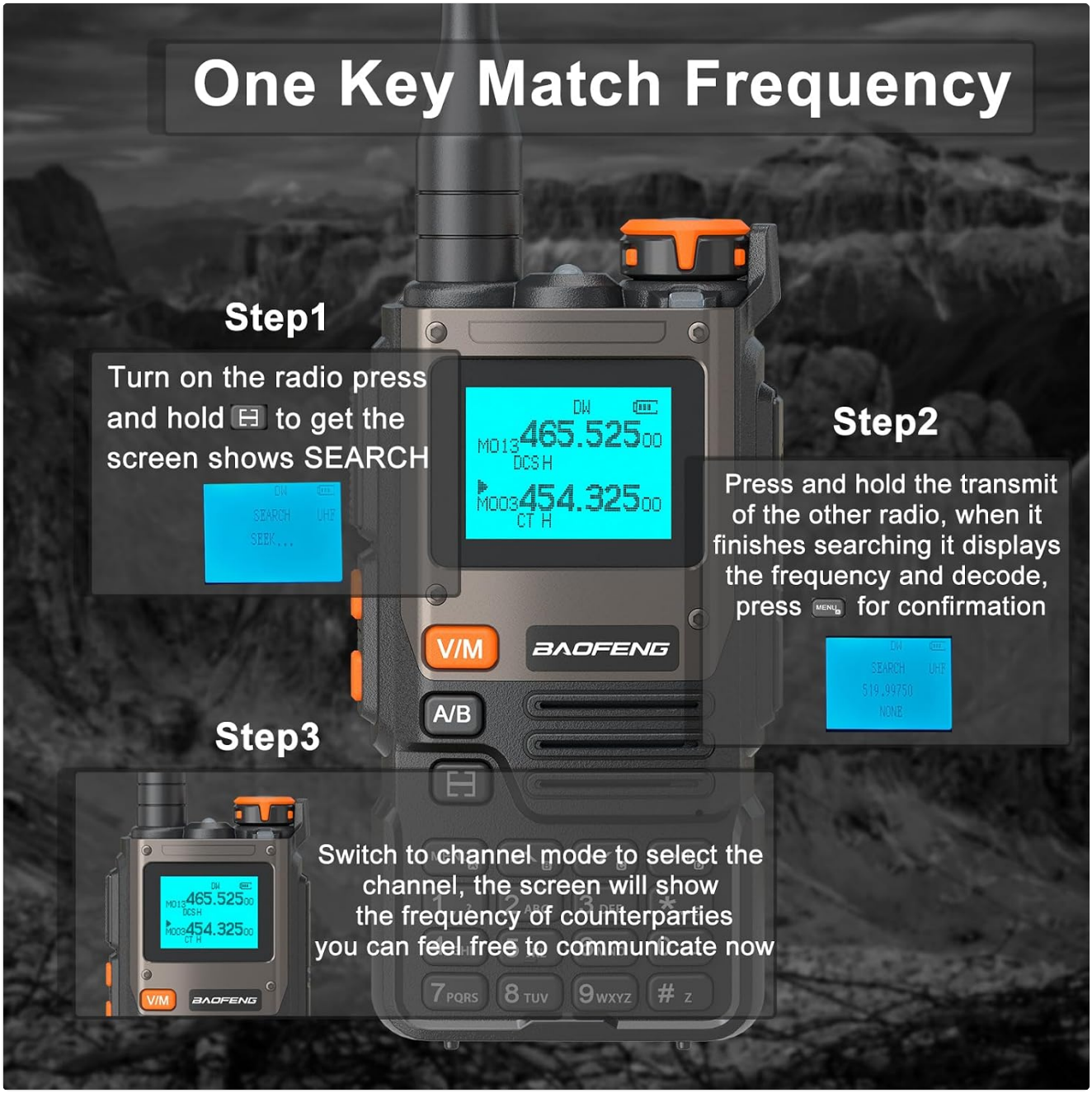


Image 5.1: Visual guide for the 'One Key Match Frequency' feature, illustrating the three steps to wirelessly copy frequencies from another radio to the BAOFENG UV-K61.

5.4. NOAA Weather Alert

The UV-K61 includes a built-in NOAA receiver with 10 channels to provide real-time weather reports and alerts. To

access NOAA weather channels, navigate through the menu or use a pre-programmed shortcut if available. The radio will scan and deliver weather information, helping you stay informed about changing conditions.

5.5. AM/FM Radio Function

The radio supports multi-band AM and FM reception. To activate the AM/FM radio, press the dedicated **Radio** / **Monitor** button or select the function from the menu. Use the keypad or arrow keys to tune to desired stations.

5.6. VOX Function

The Voice Operated Exchange (VOX) function allows for hands-free transmission. When VOX is enabled, the radio will automatically transmit when it detects your voice, eliminating the need to press the PTT (Push-To-Talk) button. Adjust VOX sensitivity in the menu settings.

5.7. Flashlight

The UV-K61 is equipped with a built-in flashlight. To activate or deactivate the flashlight, press the dedicated **Flashlight** / **Alarm Switch** button.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your BAOFENG UV-K61 radio.

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid using harsh chemicals or abrasive cleaners.
- **Battery Care:** Do not expose the battery to extreme temperatures. Charge the battery fully before initial use and periodically if stored for long periods.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and moisture.
- **Antenna:** Ensure the antenna is securely attached. Avoid bending or forcing the antenna.

7. Troubleshooting

If you encounter issues with your UV-K61 radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on	Battery is not installed correctly or is depleted.	Ensure battery is securely installed. Charge the battery fully.
Cannot transmit or receive	Incorrect frequency/channel, out of range, or antenna issue.	Verify frequency/channel settings. Ensure you are within range of other radios. Check antenna connection.
Poor audio quality	Low battery, weak signal, or speaker obstruction.	Charge battery. Move to an area with better signal. Check if speaker is clear of debris.
NOAA weather alerts not working	NOAA function not activated or poor reception.	Ensure NOAA function is enabled in settings. Move to an open area for better reception.

8. Specifications

Below are the technical specifications for the BAOFENG UV-K61 radio:

- **Item Weight:** 1.32 pounds
- **Product Dimensions:** 1.37 x 2.16 x 4.72 inches
- **Model Number:** UV-K61
- **Batteries:** 1 Lithium Ion battery required (included)
- **Brand:** BAOFENG
- **Number of Channels:** 999
- **Frequency Range:** 535-1705 kHz (AM), 87.5-108 MHz (FM), 162.400-162.550 MHz (NOAA)
- **Talking Range Maximum:** 5 Kilometers
- **Voltage:** 7.4 Volts (DC)
- **Water Resistance Level:** Not Water Resistant
- **Manufacturer:** BAOFENG Electronics Co., Ltd

9. Warranty and Support

The BAOFENG UV-K61 radio comes with a **1-year warranty** provided exclusively through "Shiqun Electronics Co., Ltd". Please retain your proof of purchase for warranty claims.
For technical support, troubleshooting assistance, or warranty inquiries, please contact the seller or the manufacturer directly. Refer to your purchase documentation for specific contact information.

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