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BAOFENG UV-K61

BAOFENG UV-K61 Two-Way Radio Instruction Manual

Model: UV-K61

Introduction

This manual provides detailed instructions for the operation and maintenance of your BAOFENG UV-K61 two-way radio. Please read this manual thoroughly before using the device to ensure proper function and safety. The UV-K61 is a versatile communication device featuring 999 channels, multi-band reception (AM/FM), NOAA weather alerts, and multiple charging options.

Package Contents



This image displays the BAOFENG UV-K61 radio along with all its standard accessories, including the antenna, battery, charger dock, USB-C cable, and hand strap.

- 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

Product Overview

Familiarize yourself with the various parts and controls of your UV-K61 radio.



This diagram illustrates the front and side views of the BAOFENG UV-K61 radio, with key components such as the antenna, PTT key, flashlight, alarm switch, radio/monitor button, sweep key, menu key, volume/power knob, 1.44" LCD screen, 2-pin K port, V/M-VFO/MR button, A/B select key, speaker, exit key, and keypad clearly labeled.

- **Antenna:** For transmitting and receiving signals.
- **Volume & Power Knob:** Rotate to turn the radio on/off and adjust volume.
- **PTT (Push-to-Talk) Key:** Press and hold to transmit, release to receive.
- **Flashlight:** Built-in LED light.
- **Alarm Switch:** Activates emergency alarm.
- **Radio / Monitor Key:** Toggles radio function or monitors current channel.
- **Sweep Key:** Initiates frequency scanning.
- **Menu Key:** Accesses the radio's menu system.
- **1.44" LCD Screen:** Displays channel, frequency, battery status, and other information.
- **2-Pin K Port:** For connecting external audio accessories (e.g., headset, programming cable).
- **V/M-VFO/MR Key:** Switches between VFO (Frequency Mode) and MR (Channel Mode).
- **A/B Select Key:** Selects between upper and lower display frequencies.
- **Speaker:** Outputs received audio.
- **Exit Key:** Exits menu or cancels current operation.
- **Keypad:** For manual frequency input, channel selection, and menu navigation.

Setup

1. Battery Installation and Charging

The UV-K61 comes with a 2600mAh rechargeable Lithium-Ion battery. Ensure the battery is fully charged before first use.



This image shows the BAOFENG UV-K61 radio's battery and the charging indicator lights. A red light indicates charging, while a green light indicates a full charge.

1. **Install Battery:** Align the battery with the grooves on the back of the radio and slide it upwards until it clicks into place.
2. **Charge Battery:**
    - **Using Charger Dock:** Place the radio with the battery installed into the charger dock. Connect the US base charger to a power outlet.
    - **Using USB-C Cable:** Connect the USB-C cable directly to the radio's USB-C port and to a power source (e.g., power bank, car charger, laptop USB port).
3. **Charging Indicator:** The LED indicator on the battery or charger dock will show **Red** while charging and turn **Green** when fully charged.



This image demonstrates the multiple charging options for the BAOFENG UV-K61 radio, including charging via the desktop dock, direct USB-C connection to a power bank, car charger, or laptop.

2. Antenna Attachment

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

Operating Instructions



This image provides a visual summary of the BAOFENG UV-K61's main functions, including 999 channels, frequency copying, VOX function, 2600mAh battery, built-in flashlight, 10 NOAA weather channels, and AM/FM radio capabilities.

1. Power On/Off and Volume Adjustment

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 off the radio.

2. Channel Selection (MR Mode) and Frequency Input (VFO Mode)

Press the **V/M-VFO/MR** key to switch between VFO (Frequency Mode) and MR (Channel Mode).

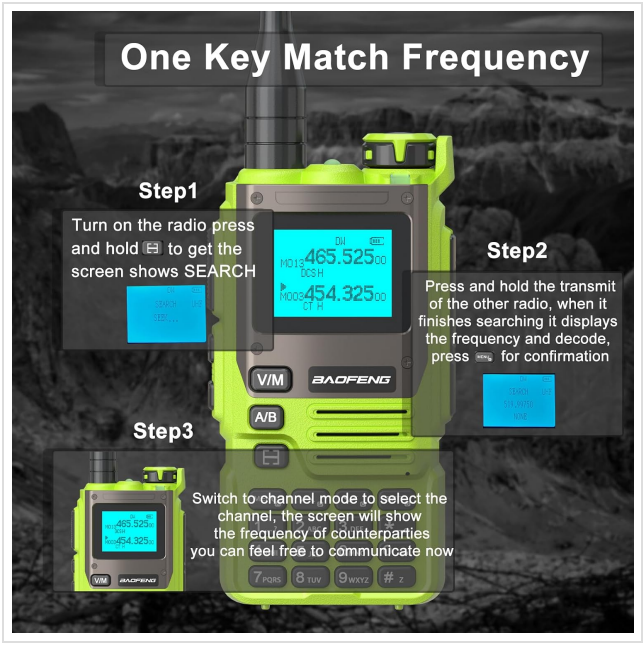
- **MR Mode (Channel Mode):** Use the Up/Down arrow keys or the keypad to select a stored channel (1-999).
- **VFO Mode (Frequency Mode):** Directly input the desired frequency using the numeric keypad.



This image highlights the 1.44-inch LCD screen of the BAOFENG UV-K61, showing its dual display capability for two frequencies and channel information, designed for clear readability day and night.

3. One Key Match Frequency (Wireless Frequency Copying)

This feature allows for quick copying of frequencies from another radio.



This visual guide demonstrates the three steps for using the "One Key Match Frequency" feature on the BAOFENG UV-K61. Step 1: Turn on the radio, press and hold a specific key to enter search mode. Step 2: Press and hold the transmit button on the other radio to copy its frequency. Step 3: Switch to channel mode to select the new channel and begin communication.

1. **Step 1:** Turn on the UV-K61 radio. Press and hold the designated key (refer to radio's specific button layout, often a dedicated "SEARCH" or "SCAN" button, or a combination with "MENU") until the screen displays "SEARCH".
2. **Step 2:** Place the transmitting radio near the UV-K61. Press and hold the transmit (PTT) button on the other radio. The UV-K61 will scan and display the frequency and decode information.
3. **Step 3:** Once the frequency is acquired, confirm the setting (often by pressing "MENU" or "EXIT"). Switch to channel mode (MR Mode) to select the newly copied channel for communication.

4. NOAA Weather Channels

The UV-K61 includes a built-in NOAA receiver with 10 channels for real-time weather alerts.



This graphic emphasizes the BAOFENG UV-K61's capability to receive 10 NOAA weather channels, providing critical weather alerts for user safety.

- To access NOAA channels, navigate through the menu or use a dedicated NOAA button if available.
- The radio will scan and provide weather reports, helping you stay informed about changing weather conditions.

5. VOX Function (Voice Operated Transmit)

VOX allows hands-free operation by transmitting automatically when it detects your voice. To activate/deactivate VOX:

1. Press the **MENU** key.
2. Navigate to the VOX setting (refer to your radio's menu structure for the exact item number).

3. Select the desired VOX sensitivity level (higher numbers usually mean lower sensitivity, requiring louder voice).
4. Press **MENU** again to confirm and exit.

6. AM/FM Radio

The UV-K61 can receive AM and FM broadcast radio. Use the dedicated "Radio / Monitor" key or navigate through the menu to switch to broadcast radio mode.

7. Flashlight

Activate the built-in flashlight using the dedicated flashlight button or switch on the side of the radio.

Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or solvents.
- **Battery Care:**
  - Avoid fully discharging the battery frequently.
  - Store the battery in a cool, dry place when not in use for extended periods.
  - Do not expose the battery to extreme temperatures.
- **Storage:** When storing the radio for a long time, remove the battery.
- **Water Resistance:** This product is **Not Water Resistant**. Avoid exposure to water or high humidity.

Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is discharged.	Ensure battery is properly installed. Charge the battery fully.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or out of range.	Verify frequency/channel settings. Ensure antenna is securely attached. Move closer to the other radio.
Poor audio quality.	Low battery, weak signal, or incorrect volume.	Charge battery. Move to an area with better signal. Adjust volume.
Frequency Copying fails.	Transmitting radio too far, or not transmitting during scan.	Ensure radios are close. Confirm the other radio is transmitting during the UV-K61's search phase.

Specifications

Feature	Detail
Model Number	UV-K61

Feature	Detail
Number of Channels	999
Battery Capacity	2600mAh Lithium Ion (included)
Charging Options	USB-C, Charger Dock
Special Features	10 NOAA Weather Alarm, Multi-Band (AM/FM), One Key Match Frequency, VOX, Flashlight
Talking Range (Maximum)	5 Kilometers (approx. 3.1 miles)
Voltage	7.4 Volts (DC)
Product Dimensions	1.37 x 2.16 x 4.72 inches
Item Weight	1.32 pounds (approx. 21.16 ounces)
Water Resistance Level	Not Water Resistant

Warranty and Support

The BAOFENG UV-K61 radio comes with a 1-year warranty provided exclusively through "Shiqun Electronics Co., Ltd". For warranty claims, technical support, or service inquiries, please contact your retailer or the authorized service provider.
For further assistance, please visit the official BAOFENG website or contact their customer service.

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