

BAOFENG UV-K61

BAOFENG UV-K61 Ham Radio Instruction Manual

Model: UV-K61

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation of your BAOFENG UV-K61 Ham Radio. The UV-K61 is a versatile multi-band two-way radio featuring 999 channels, AM/FM capabilities, NOAA weather alerts, and convenient USB-C charging. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 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 48cm/18.89in Foldable Tactical Antenna
- 1x Programming Cable
- 1x Shoulder Speaker Microphone



Figure 1: Standard package contents for the BAOFENG UV-K61.

3. SETUP

3.1 Battery Installation and Charging

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

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. **Charging Methods:**
 - **USB-C Direct Charging:** Connect the provided USB-C cable directly to the USB-C port on the side of the radio. You can charge from a power bank, car charger, laptop, or any standard USB power adapter.
 - **Charger Dock:** Place the radio (with battery installed) into the charging dock. Connect the USB-C cable to the dock and a power source.
3. **Charging Indicator:** The LED indicator on the radio or battery will show red during charging and turn green when fully charged.



Figure 2: Multiple charging options for the UV-K61.

3.2 Antenna Attachment

Screw the desired antenna (either the high gain or foldable tactical antenna) clockwise into the antenna connector on top of the radio until it is finger-tight. Do not overtighten.

3.3 Initial Power On

Rotate the Volume/Power knob clockwise until you hear a click and the display illuminates. Adjust the knob to

your desired listening volume.

4. OPERATING INSTRUCTIONS

4.1 Radio Overview and Controls

Familiarize yourself with the radio's layout and functions:



Figure 3: BAOFENG UV-K61 radio components and controls.

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

4.2 Channel Selection (MR Mode)

The UV-K61 supports up to 999 channels. To select a channel:

1. Press the **V/M** button to enter Channel Mode (MR). The display will show channel numbers.
2. Use the Up/Down arrow keys or the keypad to enter the desired channel number.
3. Press the **PTT** key to transmit on the selected channel.

4.3 Wireless Frequency Copying

This feature allows you to quickly copy frequencies from another radio without manual programming.

1. **Step 1:** Turn on your 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 (PTT). Your UV-K61 will search for and display the frequency and decode information. Release the PTT on the other radio once the search is complete. Press the **MENU** button on your UV-K61 to confirm and save the frequency.
3. **Step 3:** Switch to channel mode (V/M button) to select the newly copied channel. The screen will show the frequency, and you can now communicate.

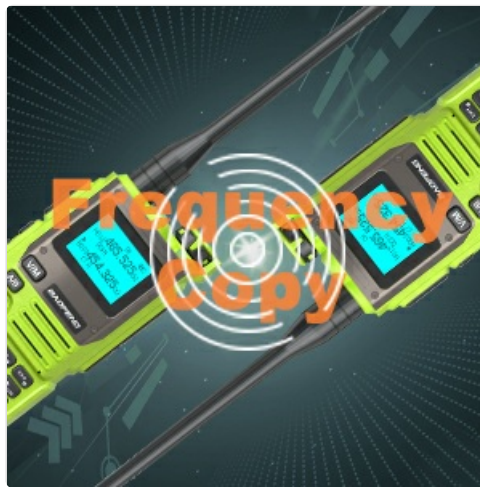


Figure 4: Wireless frequency copying process.

4.4 NOAA Weather Channels

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

1. Access the NOAA weather channels through the radio's menu or a dedicated function key (refer to the full user manual for specific key assignments).
2. The radio will scan and deliver weather reports, helping you stay informed about changing weather conditions.



4.5 Multi-Band Operation (AM/FM)

The UV-K61 supports both AM and FM bands, allowing for versatile communication and reception of broadcast radio.

4.6 VOX Function

VOX (Voice Operated eXchange) allows for hands-free transmission. When activated, the radio will transmit automatically when it detects your voice, eliminating the need to press the PTT button. Adjust VOX sensitivity in the menu.

4.7 Flashlight

The built-in flashlight can be activated using the dedicated Flashlight/Alarm switch on the side of the radio. Press once for constant light, press again for SOS mode, and a third time to turn off.

5. MAINTENANCE

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

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners. Ensure the USB-C port and accessory port are free of dust and debris.
- **Battery Care:**
 - Avoid fully discharging the battery frequently.
 - Charge the battery in a cool, dry environment.
 - If storing the radio for an extended period, charge the battery to approximately 50% and remove it from the radio. Recharge every 3-6 months.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight, extreme temperatures, and corrosive materials.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Radio does not power on	Low or dead battery; improperly installed battery.	Charge the battery; ensure battery is correctly installed.
Cannot transmit or receive	Incorrect frequency/channel; antenna not attached; low battery; out of range.	Verify frequency/channel; attach antenna securely; charge battery; move closer to other radios.
Poor audio quality	Low signal strength; incorrect squelch setting; damaged speaker/microphone.	Adjust squelch level; ensure clear line of sight; check for physical damage.
Battery not charging	Faulty cable/dock; power source issue; battery fault.	Try a different USB-C cable/power source; ensure dock connection is secure.

If the problem persists after attempting these solutions, please contact customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	BAOFENG
Model Number	UV-K61
Number of Channels	999
Talking Range Maximum	5 Kilometer
Tuner Type	AM/FM
Battery Capacity	2600mAh Lithium Ion (included)
Charging	USB-C, Charger Dock
Special Features	10 NOAA Weather Alarm, Multi-Band, One Key Match Frequency, VOX Function, Flashlight
Product Dimensions	1.37"D x 2.16"W x 4.72"H
Item Weight	26.45 Ounces
Water Resistance Level	Not Water Resistant
Impedance	50 Ohms

8. WARRANTY AND SUPPORT

Your BAOFENG UV-K61 Ham Radio is covered by a manufacturer's warranty.

- **Warranty Period:** A 1-year warranty is provided through "Shiqun Electronics Co., Ltd". Please retain your proof of purchase for warranty claims.
- **Protection Plans:** Extended protection plans may be available for purchase separately (e.g., 2-Year or 3-Year Protection Plans). Refer to your retailer for details.
- **Customer Support:** For technical assistance, warranty claims, or further inquiries, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific contact information.