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## 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 professional handheld two-way radio is designed for reliable communication across various environments, offering extensive features including multi-band operation, NOAA weather reception, and multiple charging options. This manual provides detailed instructions for the proper setup, operation, and maintenance of your device to ensure optimal performance and longevity.




Image: The BAOFENG UV-K61 Ham Radio shown with its included accessories, including the radio unit, antenna, battery, USB-C charging cable, and base charger.

## 2. Package Contents

Please verify that all items listed below are included in your package:

- 1 x BAOFENG UV-K61 Radio with Antenna
- 1 x 2600mAh Rechargeable Battery
- 1 x Type-C Charging Cable
- 1 x US Base Charger
- 1 x AR-771 Long Antenna
- 1 x Earpiece
- 1 x Belt Clip
- 1 x Hand Strap

- 1 x User Manual (this document)




Image: A visual representation of all components included in the BAOFENG UV-K61 package, confirming the presence of the radio, battery, chargers, and accessories.

## 3. Setup Guide

### 3.1 Battery Installation and Charging

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

1. **Install Battery:** Align the battery pack with the grooves on the back of the radio and slide it upwards until it clicks into place.
2. **Charge Battery:**
    - **Using Base Charger:** Connect the US Base Charger to a power outlet. Place the radio (with battery installed) into the charging cradle. The indicator light on the charger will show charging status.
    - **Using USB-C Cable:** Connect the Type-C Charging Cable directly to the USB-C port on the battery pack or the radio

itself, then connect the other end to a USB power source (e.g., power bank, PC, car charger, wall adapter).

3. **Charging Time:** A full charge typically takes several hours. The indicator light on the base charger will turn green when charging is complete.




Image: Illustration showing the two available charging methods: direct USB-C charging for portability and the traditional base charger for efficient home charging.

### 3.2 Antenna Attachment

Carefully screw the provided AR-771 long antenna onto the antenna connector at the top of the radio. Turn clockwise until it is finger-tight. Do not overtighten.




Image: The flexible long antenna (AR-771) designed to strengthen signal and increase talking distance, shown attached to the radio.

## 4. Operating Instructions

### 4.1 Basic Operation

- **Power On/Off:** Rotate the power/volume knob clockwise to turn on the radio. Rotate counter-clockwise until it clicks to turn off.
- **Volume Adjustment:** Rotate the same knob to adjust the listening volume.
- **Display:** The enlarged screen provides clear information on current frequencies, channels, and status indicators.




Image: An overview of the BAOFENG UV-K61's main functions, including multi-band, Type-C charger, frequency copy, 2600mAh battery, 999 channels, AM, flashlight, 10 NOAA channels, FM radio, DTMF, large colorful screen, and VOX function.

## 4.2 Channel and Frequency Management

- **999 Channel Operations:** The radio supports up to 999 programmable channels. Use the keypad to enter frequencies or navigate through stored channels.
- **Dual Display/Dual Standby:** Monitor two different frequencies simultaneously.
- **Fast Copy Frequency:** This feature allows you to quickly copy the frequency of another walkie-talkie without complex programming.

    1. Long press the **"H"** key to enter scanning mode. The screen will display "SEARCH SWEEK...".
    2. Press and hold the other walkie-talkie's transmitting button. The UV-K61 will search for its frequency.
    3. Once found, press the **"MENU"** button to confirm and save the frequency.
    4. Switch to channel mode, and the display will show the other person's frequency, allowing you to communicate.




Image: A visual guide demonstrating the "One Key Copy Frequency" function, showing the UV-K61 scanning and acquiring a frequency from another radio.

## 4.3 Special Features

- **NOAA Weather Receiver:** Access 10 NOAA weather channels to receive real-time weather reports and alerts, helping you prepare for adverse conditions.
- **FM Radio:** Enjoy FM broadcast radio during downtime.
- **VOX Function:** Voice-operated transmit allows for hands-free communication.
- **LED Flashlight:** Integrated flashlight for convenience in low-light conditions.
- **DTMF Function:** Dual-Tone Multi-Frequency signaling for various applications.
- **Multi-Band Operation:** Supports a wide range of frequencies for both receiving and transmitting:
    - FM: 65-108MHz (RX)
    - AM: 108-136MHz (RX) - Aviation Band Receiving
    - VHF: 136-174MHz (RX/TX)
    - VHF: 220-260MHz (RX/TX)

- UHF: 350-390MHz (RX)
- UHF: 400-480MHz (RX/TX)
- UHF: 480-520MHz (RX)




Image: The radio displaying a weather alert, with icons representing various weather phenomena like snow, flood, storm, and volcanic eruption, indicating its capability to provide timely warnings.




Image: The radio displaying frequencies within the aviation band, with an airplane in the background, illustrating its AM/FM Aviation Band Receiving capability.

## 5. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:**
  - Avoid fully discharging the battery frequently.
  - Store the radio and battery in a cool, dry place when not in use for extended periods.
  - Do not expose the battery to extreme temperatures or direct sunlight.
- **Antenna:** Ensure the antenna is securely attached but do not overtighten. Avoid bending or stressing the antenna excessively.
- **Water Resistance:** This radio is **Not Water Resistant**. Avoid exposure to water or high humidity.

## 6. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Radio does not power on. | Battery is low or not installed correctly. | Charge the battery fully. Reinstall the battery, ensuring it clicks into place. |
| Poor reception or transmission. | Antenna loose or damaged; out of range; incorrect frequency/channel. | Check antenna connection. Move closer to the other radio. Verify frequency/channel settings. |
| Cannot hear audio or audio is distorted. | Volume too low; earpiece not connected properly; speaker issue. | Increase volume. Ensure earpiece is fully inserted. If issue persists, contact support. |
| Difficulty programming channels. | Incorrect programming steps; software compatibility issues. | Refer to the "Fast Copy Frequency" section or consult online resources for Baofeng programming software. |

## 7. Specifications

| Feature | Detail |
|---|---|
| Model Number | UV-K61 |
| Brand | BAOFENG |
| Color | Black |
| Number of Channels | 999 |
| Frequency Range | VHF UHF (136-174MHz, 220-260MHz, 400-480MHz, 480-520MHz RX/TX); FM (65-108MHz RX); AM (108-136MHz RX) |
| Talking Range Maximum | 5 Mile (approx. 8 km) |
| Battery Type | 1 Lithium Ion battery (included) |
| Battery Capacity | 2600mAh |
| Voltage | 3.7 Volts |
| Item Weight | 1.37 pounds (approx. 0.62 kg) |
| Package Dimensions | 8.19 x 4.84 x 4.29 inches (approx. 20.8 x 12.3 x 10.9 cm) |
| Special Features | Long Range, Rechargeable, Lightweight, Weather Alert, Keypad Lock, Dual Display/Standby, VOX, LED Flashlight, FM Radio, DTMF, Fast Copy Frequency |
| Water Resistance Level | Not Water Resistant |

## 8. Warranty and Support

For warranty information and technical support, please refer to the contact details provided by your retailer or visit the official BAOFENG website. Keep your purchase receipt as proof of purchase for any warranty claims.

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