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BAOFENG UV-K61

BAOFENG UV-K61 Multi-Band Two Way Radio User Manual

Model: UV-K61

Introduction

This manual provides comprehensive instructions for the safe and effective operation of your BAOFENG UV-K61 Multi-Band Two Way Radio. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.
The BAOFENG UV-K61 is a versatile handheld radio designed for various communication needs, featuring a wide frequency range, multiple charging options, and advanced functions like NOAA weather reception and frequency copying.

Safety Information

Always observe the following safety precautions to reduce the risk of fire, electric shock, or personal injury:

- Do not disassemble or modify the radio. Unauthorized modifications can void your warranty and may cause damage.
- Keep the radio away from water and moisture. This device is not water resistant.
- Use only BAOFENG approved batteries and chargers. Using incompatible accessories can lead to fire or explosion.
- Do not operate the radio in explosive atmospheres or near flammable materials.
- Maintain a safe distance from antennas when transmitting to avoid exposure to radio frequency energy.
- Dispose of batteries properly according to local regulations.

Package Contents

Verify that all items are present in your package:

- BAOFENG UV-K61 Two Way Radio
- Antenna
- 2600mAh Lithium-Ion Battery
- US Base Charger

- USB-C Charging Cable
- Belt Clip
- Hand Strap
- User Manual (this document)



Figure 1: BAOFENG UV-K61 radio and its standard accessories.

Product Overview

Familiarize yourself with the components of your BAOFENG UV-K61 radio.



Figure 2: Labeled components of the BAOFENG UV-K61 radio.

- **Antenna:** For transmitting and receiving signals.
- **Volume Knob/Switch:** Turns the radio on/off and adjusts volume.
- **LED Flashlight:** Provides illumination.
- **LCD Display Screen:** Shows frequency, channel, battery status, and other information.
- **Headphone Jack:** For connecting external audio accessories.
- **PTT (Push-to-Talk) Emission Key:** Press and hold to transmit, release to receive.
- **Side Key One (V/M Key):** Toggles between VFO (Frequency) mode and Memory (Channel) mode.
- **Side Key Two (Toggle Key):** Programmable function key.
- **Function Keys:** Access various radio functions and menus.
- **Keypad:** For direct frequency input, channel selection, and menu navigation.
- **TYPE-C Interface:** For direct USB-C charging.
- **Speaker:** Outputs received audio.

Setup

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.

Battery Installation:

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery upwards until it clicks into place.
3. To remove, press the battery release latch (if present, usually at the bottom of the battery) and slide the battery downwards.

Charging Methods:

The radio supports two charging methods:

- **Using the US Base Charger:** Place the radio (with battery installed) into the charging cradle. Ensure the charging contacts align. The indicator light on the charger will show charging status.
- **Using the USB-C Port:** Connect the provided USB-C cable to the Type-C interface on the side of the radio and to a compatible USB power source (e.g., power bank, PC, car charger, wall adapter).



Figure 3: Multiple charging methods for the BAOFENG UV-K61, including USB-C and base charger.

2. Antenna Installation

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

Operating Instructions

1. Power On/Off and Volume Adjustment

Rotate the Volume Knob/Switch clockwise to turn the radio on. Continue rotating clockwise to increase the volume. Rotate counter-clockwise to decrease volume and turn the radio off.

2. Display and Frequency Information



Figure 4: The 1.44-inch color display showing dual-band operation and frequency ranges.

The 1.44-inch color LCD screen displays current frequencies, channels, battery status, and other operational indicators. The radio supports a wide range of frequencies:

- **Receiving Frequencies:** FM 65-108MHz, AM 108-136MHz, VHF 136-174MHz, 200-260MHz, UHF 350-390MHz, 400-600MHz.
- **Transmission Frequencies:** 136-174MHz, 220-260MHz, 400-480MHz.

3. Mode Switching (VFO/MR)

Press the **V/M** key (Side Key One) to switch between VFO (Frequency) mode and MR (Memory/Channel) mode. In VFO mode, you can directly input frequencies. In MR mode, you can select pre-programmed channels.

4. Transmitting and Receiving

To transmit, press and hold the **PTT** (Push-to-Talk) key on the side of the radio. Speak clearly into the microphone. Release the PTT key to return to receive mode.

5. Frequency Copy Function

The radio features a convenient frequency copy function, allowing you to quickly match frequencies with another radio. Refer to the on-screen prompts or the full manual for detailed steps on using this feature.



Figure 5: Demonstrating the 2-second frequency copy function.

6. NOAA Weather Scan & Receiver

The BAOFENG UV-K61 can scan and receive weather reports from 10 NOAA weather channels, providing timely alerts for severe weather conditions.



Figure 6: NOAA weather reception capability.

7. LED Flashlight

The integrated LED flashlight provides strong illumination for various situations. Activate it using the designated function key or menu option.



Figure 7: The powerful integrated LED flashlight.

Maintenance

1. Cleaning

Clean the radio surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the radio is off and the battery is removed before cleaning.

2. Battery Care

- Avoid overcharging or completely discharging the battery.
- Store the battery in a cool, dry place when not in use for extended periods.
- If the radio will not be used for a long time, remove the battery.

3. Environmental Considerations

While the UV-K61 is designed to be robust, it is not water resistant. Avoid exposing the radio to extreme temperatures,

direct sunlight, dust, or excessive moisture.



Figure 8: The radio's robust design for challenging environments.

Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it securely.
Cannot transmit or receive.	Incorrect frequency/channel; antenna not connected; low battery.	Verify frequency/channel settings. Ensure antenna is securely attached. Charge battery.
Poor audio quality.	Volume too low; interference; radio too far from other unit.	Adjust volume. Move away from sources of interference. Reduce distance to other radio.

Problem	Possible Cause	Solution
Display is blank or flickering.	Low battery; software issue.	Charge battery. Try turning the radio off and on again. If problem persists, contact support.

Specifications

Feature	Detail
Model Number	UV-K61
Brand	BAOFENG
Frequency Range (Receive)	FM 65-108MHz, AM 108-136MHz, VHF 136-174MHz, 200-260MHz, UHF 350-390MHz, 400-600MHz
Frequency Range (Transmit)	136-174MHz, 220-260MHz, 400-480MHz
Number of Channels	Up to 999
Battery Capacity	2600mAh Lithium Ion
Voltage	3.7 Volts
Talking Range Maximum	10 Kilometers
Special Feature	Dual Band, NOAA Weather Receiver, Frequency Copy, LED Flashlight
Water Resistance Level	Not Water Resistant
Item Weight	1.19 pounds
Package Dimensions	7.09 x 4.29 x 3.82 inches
Country of Origin	China

Warranty and Support

For warranty information and technical support, please refer to the official BAOFENG website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.
The product specifications indicate a warranty period of "2". Please consult the manufacturer's official documentation or customer service for precise warranty terms and conditions.
For further assistance, you may visit the BAOFENG Store on Amazon.

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