**BAOFENG K6**

# BAOFENG K6 Tri-Band Handheld Ham Radio User Manual

Model: K6

## Introduction

This manual provides detailed instructions for the operation and maintenance of your BAOFENG K6 Tri-Band Handheld Ham Radio. Please read this manual thoroughly before using the device to ensure proper functionality and safety.
The BAOFENG K6 is a versatile communication device offering tri-band transmission and multi-band reception, designed for reliable performance in various environments.

## What's in the Box

Upon unpacking, please verify that all items listed below are present and in good condition:

- 1 x BAOFENG K6 Handheld Ham Radio
- 2 x 2600mAh Type-C Rechargeable Batteries
- 1 x Desktop Charger
- 1 x USB-C Charging Cable
- 1 x Earpiece
- 1 x Belt Clip
- 1 x Handstrap
- 2 x Antennas (one long, one short)




Image: All components included in the BAOFENG K6 package, laid out on a white surface. This includes the radio unit, two batteries, a desktop charger, a USB-C cable, an earpiece, a belt clip, a handstrap, and two antennas.

## Product Overview

### Key Features

- **Powerful Tri-Band Transmission:** 5W power output supporting VHF, UHF, and 1.25M bands.
- **Multi-Band Reception:** Capable of receiving across VHF, UHF, FM, Airband, 1.25M, 1M, and NOAA frequencies.
- **Extensive Channel Capacity:** Up to 999 memory channels for storing frequencies.
- **Dual Charging Options:** Rechargeable via desktop charger or directly via USB-C port.
- **Keypad Programming:** Intuitive alphanumeric keypad for direct frequency and text input.
- **One-Key Functions:** Includes one-key frequency copy and one-key frequency reverse for repeater operation.
- **Versatile Monitoring:** Supports dual-watch, single-watch, and single-band modes.

- **FM Anti-Interruption:** Setting to block regular transmission/reception during FM listening.
- **NOAA Weather Channels:** 10 preset NOAA weather channels for emergency alerts.
- **Customizable Settings:** Secure power-on passwords, customizable boot-up display text, and two programmable side keys.
- **TX Forbid Function:** Prevents accidental transmissions when used as a scanner.
- **Software Compatibility:** Compatible with CHIRP software and supports open-source firmware.




Image: The BAOFENG K6 radio displaying its multi-band transmit and receive capabilities across various frequency ranges including VHF, UHF, 1.25M, FM, Airband, 1M, and NOAA.




Image: A close-up of the BAOFENG K6 display, indicating its capacity for up to 999 memory channels.




Image: The BAOFENG K6 radio showing its NOAA weather channel feature, with icons representing different weather events like blizzards, earthquakes, tornadoes, tsunamis, and fires.

## Setup and Basic Operation

### Battery Installation and Charging

1. Ensure the radio is powered off before installing or removing the battery.
2. Align the battery pack with the battery compartment on the back of the radio.
3. Slide the battery upwards until it clicks into place.
4. To charge, either place the radio with the battery installed into the desktop charger, or connect a USB-C cable directly to the USB-C port on the battery pack.
5. The charging indicator light will show charging status.




Image: The BAOFENG K6 radio demonstrating its two charging methods: desktop charging using the included cradle, and direct USB-C charging via the port on the 2600mAh battery.

### Antenna Attachment

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

### Powering On/Off and Volume Control

Rotate the power/volume knob clockwise to power on the radio and increase volume. Rotate counter-clockwise to decrease volume and power off.

### Frequency Input and Selection

Use the alphanumeric keypad to directly input desired frequencies. The V/M button allows switching between Frequency (VFO) mode and Channel (Memory) mode.

## Advanced Features and Programming

## One-Key Frequency Copy

The one-key frequency copy function allows for quick duplication of frequencies from another compatible radio. This is useful for quickly synchronizing settings with other users.




Image: Two Baofeng radios, one K6 and another model, illustrating the one-key frequency copy feature where the K6 can quickly acquire the frequency from the other radio.

## One-Key Frequency Reverse

This feature allows you to quickly switch the radio's transmit and receive frequencies, which is particularly useful when operating with repeaters. Press the designated key to reverse the frequency offset.

## Monitoring Modes

The BAOFENG K6 offers several monitoring modes:

- **Dual-Watch:** Monitors two frequencies simultaneously.
- **Single-Watch:** Monitors a single selected frequency.

- **Single-Band Mode:** Focuses operation on a specific frequency band.

### Personalized User Settings

- **Power-On Password:** Set a password to secure your radio from unauthorized use.
- **Customizable Boot-Up Display:** Personalize the text displayed when the radio powers on.
- **Programmable Side Keys:** Assign frequently used functions to the two side keys for quick access.
- **TX Forbid:** Enable this function to prevent accidental transmissions, especially when using the radio primarily for scanning.




Image: A close-up of the BAOFENG K6 display prompting for password input, illustrating the power-on password security feature.

## Maintenance

### Cleaning

Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners. Ensure all ports are

closed when cleaning to prevent moisture ingress.

### Battery Care

To prolong battery life, avoid fully discharging the batteries frequently. Store the radio and batteries in a cool, dry place when not in use for extended periods. Recharge batteries regularly, even if not in use, to maintain their capacity.

## 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 attached, or TX Forbid enabled. | Verify frequency, attach antenna, or disable TX Forbid in settings. |
| Poor audio quality. | Low signal strength, incorrect squelch level, or damaged earpiece/speaker. | Adjust squelch, move to an area with better signal, or test with another earpiece/speaker. |
| Battery not charging. | Charger/cable faulty, or battery not seated correctly. | Check charger/cable, ensure battery is properly seated in desktop charger or USB-C cable is fully inserted. |

## Specifications

| Feature | Detail |
|---|---|
| Model Number | K6 |
| Item Weight | 1.59 pounds |
| Package Dimensions | 7.95 x 4.76 x 4.33 inches |
| Batteries | 2 x 2600mAh 9V (included) |
| Number of Channels | 999 |
| Frequency Range (RX) | VHF, UHF, FM, Airband, 1.25M, 1M, NOAA |
| Frequency Range (TX) | UHF, VHF, 1.25M |
| Tuner Technology | UHF VHF |
| Voltage | 7.4 Volts (DC) |
| Water Resistance Level | Not Water Resistant |




Image: The BAOFENG K6 radio shown with its physical dimensions (12.1cm/4.8" height, 6.4cm/2.5" width, 3.5cm/1.4" depth) and weight (270g/9.5oz).

## Warranty and Support

The BAOFENG K6 comes with an 18-month warranty. Lifetime support is also provided for this product.
For technical assistance or warranty claims, please refer to the contact information provided with your purchase documentation or visit the official BAOFENG website.

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**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

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