

BAOFENG K6

BAOFENG K6 Tri-Band Handheld Ham Radio Instruction Manual

Model: K6

1. INTRODUCTION

Welcome to the BAOFENG K6 Tri-Band Handheld Ham Radio instruction manual. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your new radio. The BAOFENG K6 is a versatile 5W two-way radio supporting tri-band transmission and multi-band reception across VHF, UHF, 1.25M, NOAA, FM, and Airband frequencies. Please read this manual thoroughly to ensure safe and effective use of your device.

2. PRODUCT OVERVIEW

The BAOFENG K6 is designed for reliable communication in various environments. Below are the main components and included accessories:





Figure 2.1: Front view of the BAOFENG K6 Tri-Band Handheld Ham Radio, showing the display, keypad, and controls.

Included Components:

- BAOFENG K6 Handheld Ham Radio
- 2600mAh Type-C Rechargeable Battery
- Headset
- Belt Clip
- Desktop Charger

ONE KEY FREQUENCY COPY



Figure 2.2: All components included with the BAOFENG K6 radio: radio unit, battery, headset, belt clip, and desktop charger.

3. SETUP

3.1 Battery Installation and Charging

The BAOFENG K6 comes with a 2600mAh Lithium Ion battery. Ensure the battery is fully charged before first use.

1. To install the battery, align the battery pack with the grooves on the back of the radio and slide it upwards until it clicks into place.
2. To charge, you have two options:
 - **Desktop Charger:** Place the radio (with battery installed) into the provided desktop charging cradle. Ensure the charging contacts align. The indicator light on the charger will show charging status.
 - **Type-C Charging:** Connect a standard Type-C USB cable (not included) directly to the Type-C port on the battery pack. This allows for convenient charging without the desktop cradle.

TWO CHARGING METHODS



Desktop charging

2600mAh Battery

USB-C Charging
(USB-C cable not included)

Figure 3.1: The BAOFENG K6 supports both desktop cradle charging and direct USB-C charging for its 2600mAh battery.

3.2 Antenna Attachment

Screw the provided 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 power/volume knob clockwise to turn on the radio. The display will light up, and you may hear a power-on message or see a customizable boot-up text.

POWER-ON PASSWORD



Figure 3.2: The radio's display during power-on, potentially prompting for a password if enabled.

3.4 Setting Up Power-On Message

The BAOFENG K6 allows for a customizable power-on message. This feature can be accessed through the radio's menu system. Refer to the 'Personalized User Settings' section for more details.

Video 3.1: Demonstrates various special features of the BAOFENG K6, including setting the power-on message and keypad input. This video is provided by the seller and is 1 minute and 3 seconds in length.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Volume Control:** Rotate the power/volume knob to adjust the audio output level.
- **Frequency/Channel Selection:** Use the numeric keypad to directly input frequencies or channel numbers. The up/down arrow keys can also be used to navigate through frequencies or channels.
- **Push-to-Talk (PTT):** Press and hold the large button on the left side of the radio to transmit. Release to receive.

4.2 Effortless Keypad Programming

The K6 features an intuitive alphanumeric keypad for direct frequency and text input, making it convenient for outdoor operation without a computer. It also supports CHIRP programming on a computer for advanced users.

- **One-Key Freq Copy:** This function allows you to quickly copy a frequency from another radio, enabling rapid team setup.
- **One-Key Freq Reverse:** Easily switches your K6 from a repeater transmitter to a receiver, simplifying repeater operations.



Figure 4.1: The one-key frequency reverse feature, indicated by 'R' on the display, allows for quick switching between transmit and receive frequencies for repeater use.



Figure 4.2: The one-key frequency copy feature simplifies sharing frequencies between two radios.

4.3 Versatile Monitoring Modes

Select from various monitoring modes to suit your needs:

- **Dual-Watch:** Monitor two different frequencies simultaneously.
- **Single-Watch:** Focus on a single frequency.
- **Single-Band Mode:** A new mode for simplified operation.
- **FM Listening Anti-Interruption:** Blocks regular transmission and reception for uninterrupted FM radio listening.



Figure 4.3: The display illustrates the different monitoring modes available on the BAOFENG K6.



Figure 4.4: The FM listening anti-interruption feature ensures clear audio during FM radio playback.

5. FEATURES

5.1 Powerful Tri-Band Transmission & Multi-Band Reception

The K6 boasts a 5W power output, supporting tri-band transmission and multi-band reception across a wide frequency range, including VHF, UHF, FM, Airband, 1.25M, 1M, and NOAA. This ensures clear and reliable communication in diverse environments. The FCC ID for this device is 2AJGM-NAK6.

MULTI-BAND TRANSMIT & RECEIVE



Figure 5.1: Visual representation of the multi-band transmit and receive capabilities of the BAOFENG K6.

5.2 Channel Capacity

The radio supports up to 999 memory channels, allowing for extensive storage of your preferred frequencies.



Figure 5.2: The radio's display confirms its capacity for up to 999 memory channels.

5.3 NOAA Weather Channels

The K6 includes 10 preset NOAA weather channels, providing crucial weather alerts and information for safety.



Figure 5.3: The radio's NOAA weather channel feature is essential for staying informed during severe weather conditions.

5.4 Personalized User Settings

Tailor your K6 experience with secure power-on passwords and customizable boot-up display text. Two programmable side keys provide quick access to essential functions, enhancing convenience and user control. The TX forbid function prevents accidental transmissions when using it as a scanner.

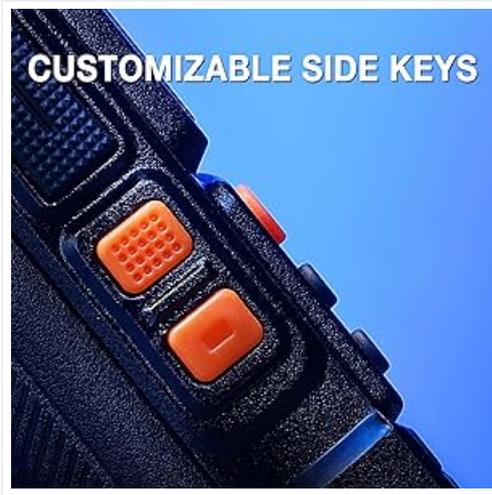


Figure 5.4: The programmable side keys offer quick access to frequently used functions.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BAOFENG K6 radio.

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Avoid overcharging or completely draining the battery. Store the battery in a cool, dry place when not in use for extended periods.
- **Antenna:** Ensure the antenna is securely attached but do not overtighten. Avoid bending or stressing the antenna.
- **Storage:** Store the radio in a dry, dust-free environment away from extreme temperatures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your BAOFENG K6 radio.

Problem	Possible Cause	Solution
Radio does not power on	Low or dead battery; Incorrect battery installation	Charge the battery; Reinstall the battery correctly
Poor reception/transmission range	Loose or incorrect antenna; Obstructions; Low power setting	Check antenna connection; Move to an open area; Ensure high power setting is selected
Difficulty programming channels via keypad	Incorrect menu navigation; Small keypad for large fingers	Refer to the user manual's programming section for step-by-step instructions; Consider using CHIRP software for easier programming if available.
Screen difficult to read in direct sunlight	Screen glare	Adjust viewing angle; The screen is generally clear in direct sunlight, but extreme glare may affect visibility.

8. SPECIFICATIONS

Key technical specifications for the BAOFENG K6 Tri-Band Handheld Ham Radio:

- **Item Weight:** 1.12 pounds
- **Package Dimensions:** 7.09 x 4.29 x 3.9 inches
- **Country of Origin:** China
- **Item Model Number:** K6
- **Batteries:** 1 Lithium Ion battery required (2600mAh)

- **Number of Channels:** 999
- **Special Features:** One Key Frequency Copy, Digital Display, NOAA Scanner, Rechargeable, Voice Operated Transmission (VOX)
- **Frequency Range:** VHF, UHF, FM, Airband, 1.25M, 1M, and NOAA
- **Tuner Technology:** UHF VHF
- **Voltage:** 7.4 Volts (DC)
- **Water Resistance Level:** Not Water Resistant



Figure 8.1: Detailed view of the BAOFENG K6, showing its dimensions and various ports.

9. WARRANTY AND SUPPORT

Your BAOFENG K6 radio comes with an 18-month warranty and lifetime support from the manufacturer. For any inquiries or assistance, please refer to the contact information provided with your product packaging or visit the official BAOFENG support website.

