BAOFENG K63

BAOFENG K63 Tri-Band Two Way Radio User Manual

Model: K63 | Brand: BAOFENG

1. Introduction

The BAOFENG K63 is a versatile tri-band two-way radio designed for reliable communication across various frequency ranges, including VHF, UHF, 1.25M, AM, FM, and NOAA. This handheld ham radio features a robust 2600mAh battery with USB-C charging, 999 programmable channels, and an intuitive keypad for on-the-go frequency programming. It is compatible with CHIRP software and supports open-source firmware, offering extensive customization for amateur radio enthusiasts and professionals.

2. What's in the Box

Upon unboxing your BAOFENG K63, please verify that all the following components are included:

- BAOFENG K63 Radio x 1
- 2600mAh Li-ion Battery x 1
- Desktop Charger x 1
- Standard Antenna x 1
- 15.5" High Gain Antenna x 1
- Speaker Microphone x 1
- Headset x 1
- Programming Cable x 1
- Belt Clip x 1
- Handstrap x 1



Image: All components included in the BAOFENG K63 package, neatly arranged. This includes the radio unit, two antennas (standard and high-gain), a speaker microphone, a headset, a programming cable, a belt clip, a handstrap, the Li-ion battery, and the desktop charger.

3. Product Overview

3.1 Components and Controls

The BAOFENG K63 radio features a robust design with clearly labeled buttons and a vibrant display for ease of use. Familiarize yourself with the main components:



Image: The BAOFENG K63 radio unit, showcasing its front panel with the display screen, alphanumeric keypad, and function buttons. The image also displays the speaker microphone, USB programming cable, battery, and both standard and high-gain antennas.

3.2 Key Features

- **Powerful Tri-Band Amateur Radio:** 6W output, supporting tri-band transmission and multi-band reception (VHF, UHF, 1.25M, AM, FM, Airband, NOAA).
- **Easy Keypad Programming:** One-key frequency copy and intuitive alphanumeric keypad for on-the-go programming without a computer.
- **Long-Lasting Battery:** Robust 2600mAh battery with flexible Type-C and desktop charging options.
- **Clear, Vibrant Display:** 1.44" color screen with 5 adjustable brightness levels, always-on option, and reverted display for optimal legibility.
- **Extensive Channel Capacity:** Up to 999 memory channels for storing frequencies.
- **Customizable Settings:** Power-on password, startup display, channel display modes, monitoring modes, scan modes, and programmable side keys.

- **CHIRP Compatible:** Supports CHIRP software (select K6 under BAOFENG) and open-source firmware.



Image: A visual representation of the BAOFENG K63's multi-band capabilities, showing its ability to transmit on VHF, UHF, and 1.25M bands, and receive across a wide spectrum including FM, 1.25M, 1M, Airband, NOAA, UHF, and VHF frequencies.



Image: The radio's display screen indicating its capacity for "999 MEMCH" (memory channels), highlighting its extensive channel storage capability.

4. Setup

4.1 Battery Installation and Charging

1. Align the 2600mAh Li-ion battery with the battery compartment on the back of the radio.
2. Slide the battery into place until it clicks securely.
3. To charge, place the radio into the desktop charger, ensuring the charging contacts align. The indicator light on the charger will show charging status.
4. Alternatively, connect a USB-C cable (not included) directly to the USB-C port on the battery for convenient charging.



Image: Illustration of the two charging methods for the BAOFENG K63 radio. One shows the radio docked in its desktop charger, and the other highlights the USB-C charging port located on the battery pack, allowing for direct cable charging.

4.2 Antenna Attachment

1. Select either the standard antenna or the 15.5" high-gain antenna based on your communication needs.
2. Screw the chosen antenna clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.



Image: A visual comparison of the two antennas provided with the BAOFENG K63: the shorter original antenna (16cm/6.3") and the longer high-gain antenna (39cm/15.5"). The image also illustrates how the high-gain antenna can improve signal reception over longer distances.

4.3 Initial Power On

1. Rotate the power/volume knob clockwise to turn on the radio.
2. Adjust the knob to set the desired volume level.
3. The display will illuminate, showing the current frequency or channel.

5. Operating Instructions

5.1 Basic Operation

- **Channel/Frequency Selection:** Use the **V/M** button to switch between Frequency (VFO) mode and Channel (MR)

mode. In VFO mode, use the keypad to enter frequencies directly. In MR mode, use the Up/Down arrow keys to navigate through stored channels.

- **Transmit (TX):** Press and hold the PTT (Push-To-Talk) button on the side of the radio to transmit. Release to receive.
- **Menu Navigation:** Press the **MENU** button to access the radio's settings. Use the Up/Down arrow keys to scroll through options and **MENU** again to confirm. Press **EXIT** to return to the main screen.

5.2 One-Key Frequency Copy

The K63 features a convenient one-key frequency copy function, allowing you to quickly copy a frequency from another radio:

1. Ensure both radios are powered on and within range.
2. On the K63, press the dedicated copy button (often labeled with a square icon or similar).
3. The radio will enter copy mode and attempt to detect the frequency from the transmitting radio.
4. Once detected, the frequency will be displayed and can be saved to a memory channel.



Image: Two BAOFENG K63 radios are shown, with arrows indicating the transfer of frequency information from one radio to another using the one-key frequency copy function. A magnified inset shows the specific button used for this feature.

5.3 NOAA Weather Channels

The K63 can receive 10 preset NOAA weather channels to keep you informed of severe weather alerts:

1. To access NOAA channels, press and hold the designated NOAA button (refer to your radio's specific button layout, often a long press on a function key).
2. Use the Up/Down arrow keys to cycle through the available NOAA weather channels.



Image: The BAOFENG K63 radio's display shows a NOAA weather channel frequency (162.55000). Adjacent to the radio are small icons depicting various natural disasters such as tornadoes, blizzards, fires, earthquakes, and tsunamis, illustrating the radio's utility for receiving weather alerts.

6. Advanced Features

- **Customizable Side Keys:** The K63 features programmable side keys that can be assigned to various functions for quick access, such as flashlight, alarm, or monitor. Refer to the menu settings for customization options.
- **CHIRP Compatibility:** For advanced programming and channel management, the K63 is compatible with CHIRP software. Connect the radio to your computer using the provided programming cable and select "K6" under the BAOFENG models in CHIRP.
- **Open-Source Firmware Support:** The radio supports open-source firmware, allowing advanced users to explore and install custom firmware for enhanced functionalities. Search for "BAOFENG UV-K6 Firmware" on GitHub for available resources.
- **Reverted Display Option:** The 1.44" color screen offers a reverted display option, which can improve readability in certain lighting conditions. This setting can be adjusted in the display menu.

7. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners. Ensure the radio is powered off and the battery is removed before cleaning.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the battery regularly, even if the radio is not in use. Store the battery in a cool, dry place.
- **Storage:** When storing the radio for extended periods, remove the battery. Store the radio and accessories in a dry, dust-free environment away from direct sunlight and extreme temperatures.
- **Antenna Care:** Handle antennas carefully. Avoid bending or twisting them excessively, as this can damage the internal wiring.

8. Troubleshooting

If you encounter issues with your BAOFENG K63 radio, refer to the table below for common problems and their solutions:

Problem	Possible Cause	Solution
Radio does not power on.	Low or dead battery. Battery not properly installed.	Charge the battery. Ensure battery is securely installed.
Cannot transmit or receive.	Incorrect frequency/channel. Antenna not attached or damaged. Squelch level too high.	Verify frequency/channel. Check antenna connection. Adjust squelch level (try setting to 1).
Poor audio quality.	Weak signal. Antenna issue. Volume too low/high.	Move to an area with better signal. Check antenna connection. Adjust volume.
Keypad unresponsive.	Keypad lock enabled.	Disable keypad lock (refer to manual for specific key combination).
Radio turns itself on/off unexpectedly.	Battery issue or internal fault.	Ensure battery is fully charged and properly seated. If issue persists, contact support.

9. Specifications

Feature	Detail
Model Number	K63
Brand	BAOFENG
Frequency Range	UHF, VHF, 1.25M (Tri-Band)
Number of Channels	999
Power Output	6W (Max)
Battery	2600mAh Li-ion (DC 7.4V)
Charging	Desktop Charger, USB-C Port
Display	1.44" Color Screen, 5 Brightness Levels
Dimensions (L x W x H)	5.91 x 1.97 x 3.94 inches (approx. 15 x 5 x 10 cm)
Item Weight	1.5 pounds (approx. 680g)
Country of Origin	China
Special Features	Long Range, Digital Display, Lightweight, Tri-Band Transmission, USB-C Rechargeable, NOAA Receiver, Wireless Freq Copy, CHIRP Compatible



Image: Detailed dimensions of the BAOFENG K63 radio, showing its height (12.1cm/4.8"), depth (3.5cm/1.4"), width (6.4cm/2.5"), and weight (270g/9.5oz), along with close-up views of the top, bottom, and side profiles.

10. Warranty and Support

The BAOFENG K63 Tri-Band Two Way Radio comes with an**18 Months Warranty** and **Lifetime Support** from the manufacturer.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact BAOFENG customer support through their official channels or the retailer from whom you purchased the product. Keep your purchase receipt as proof of purchase for warranty services.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question