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BAOFENG K6

BAOFENG K6 Tri-Band Handheld Ham Radio

INSTRUCTION MANUAL

Introduction

The BAOFENG K6 is a versatile tri-band handheld ham radio designed for reliable communication across various frequency ranges. It features a robust 5W power output, multi-band reception including VHF, UHF, FM, Airband, 1.25M, 1M, and NOAA. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your BAOFENG K6 radio.



Image: The BAOFENG K6 Tri-Band Handheld Ham Radio shown with its complete accessories, including two radios, two standard antennas, two long high-gain antennas, two speaker mics, two 2600mAh batteries, two desktop chargers, and a programming cable.

Setup

1. Battery Installation

1. Ensure the radio is powered off.
2. Align the 2600mAh Li-ion battery with the battery compartment on the back of the radio.
3. Slide the battery upwards until it clicks securely into place.

2. Antenna Attachment

1. Locate the antenna connector on the top of the radio.
2. Screw the desired antenna (standard or long high-gain) clockwise onto the connector until it is finger-tight. Do not overtighten.



Image: A BAOFENG K6 radio displayed with both its standard 6.3-inch antenna and an extended 15.5-inch high-gain antenna, illustrating the size difference and flexibility for enhanced range.

3. Charging the Battery

The BAOFENG K6 offers two charging methods:

- **Desktop Charger:** Place the radio with the battery installed into the desktop charging cradle. Ensure the charging contacts align. The indicator light will show charging status.
- **Type-C Charging:** Connect a Type-C USB cable (not included) directly to the Type-C port on the side of the battery. This allows for convenient charging without the desktop cradle.



Image: Illustration showing the two charging methods for the BAOFENG K6 radio: using the desktop charging cradle and direct USB-C charging via the port on the battery.

Operating Instructions

1. Power On/Off and Volume Control

- To power on, rotate the top knob clockwise. Continue rotating to increase volume.
- To power off, rotate the knob counter-clockwise until it clicks.

2. Frequency and Channel Selection

The BAOFENG K6 supports up to 999 memory channels and direct frequency input.

- **Direct Frequency Input:** Use the alphanumeric keypad to enter desired frequencies directly.
- **Channel Mode:** Press the V/M button to switch between Frequency (VFO) mode and Channel (MR) mode. In Channel mode, use the UP/DOWN arrow keys to navigate through stored channels.



Image: A close-up of the BAOFENG K6 radio's display, showing 'MEMCH' and '999', indicating its capability to store up to 999 memory channels.

3. Multi-Band Transmit & Receive

The K6 supports a wide range of frequencies for both transmission and reception:

- **Transmit (TX):** VHF, UHF, 1.25M
- **Receive (RX):** FM (65-108MHz), 1.25M (220-260MHz), 1M (350-390MHz), UHF (400-600MHz), Airband (108-136MHz), NOAA (162.400-162.550MHz), VHF (136-174MHz)



Image: A detailed diagram of the BAOFENG K6 radio highlighting its multi-band transmit and receive capabilities across various frequency ranges, including VHF, UHF, 1.25M, FM, Airband, 1M, and NOAA.

4. Keypad Programming Features

- **One-Key Frequency Copy:** This function allows for quick copying of frequencies from another radio, facilitating rapid team setup.
- **One-Key Reverse Repeater Frequency:** Easily switch your K6 from a repeater transmitter to a receiver with a single key press.
- **Full Keypad Input:** The intuitive alphanumeric keypad enables direct frequency and text input, making it convenient for outdoor operation without a computer.



Image: Two handheld radios, a BAOFENG K6 and another model, demonstrating the one-key frequency copy function where frequency settings are transferred between devices.

5. Monitoring Modes

Select from various monitoring modes to suit your needs:

- **Dual-Watch:** Monitor two frequencies simultaneously.
- **Single-Watch:** Monitor a single frequency.
- **Single-Band Mode:** Focus on a specific frequency band.
- **FM Listening Anti-Interruption:** This setting can block all regular transmission and reception, allowing for uninterrupted FM radio listening.

6. NOAA Weather Channels

The K6 includes 10 preset NOAA weather channels, providing critical weather alerts and information for various natural events.



Image: A BAOFENG K6 radio displaying a NOAA weather channel frequency, surrounded by icons representing various weather phenomena like blizzards, earthquakes, tornadoes, tsunamis, and fires, indicating its emergency alert capabilities.

7. Personalized User Settings

- **Power-On Password:** Set a secure password to prevent unauthorized use of your radio.
- **Customizable Boot-Up Display Text:** Personalize the text shown on the display when the radio powers on.
- **Programmable Side Keys:** Two side keys can be programmed for quick access to essential functions, enhancing convenience.
- **TX Forbid Function:** Prevents accidental transmissions when the radio is used primarily as a scanner.



Image: A close-up of the BAOFENG K6 radio's display showing "Input Password", indicating its power-on password security feature.

Maintenance

- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the battery regularly, even if the radio is not in use for extended periods. Store the battery in a cool, dry place.
- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners. Ensure no moisture enters the radio's ports.
- **Storage:** When storing the radio for a long time, remove the battery. Store the radio and battery in a dry, temperature-controlled environment away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is discharged.	Ensure battery is securely installed. Charge the battery fully.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or out of range.	Verify frequency settings. Ensure antenna is securely attached. Move closer to the other radio or repeater.
Poor audio quality.	Low battery, weak signal, or speaker/mic issue.	Charge battery. Check signal strength. Ensure speaker mic is properly connected.
Difficulty programming channels.	Incorrect menu settings or programming method.	Refer to the programming section of this manual. Consider using CHIRP software for easier programming (select K6 under BAOFENG). Firmware can be found on GitHub by searching "BAOFENG UV-K6 Firmware".

Specifications

Feature	Detail
Model Number	K6
Item Weight	2.86 pounds
Package Dimensions	8.86 x 7.87 x 4.37 inches
Number of Channels	999
Frequency Range	VHF, UHF, FM, Airband, 1.25M, 1M, and NOAA
Voltage	7.4 Volts (DC)
Water Resistance Level	Not Water Resistant
Included Components	2x Baofeng K6 Two Way Radio, 2x Standard ANT, 2x Long High Gain ANT, 2x Speaker Mic, 2x 2600mAh Battery & Desktop Charger

Warranty and Support

The BAOFENG K6 Tri-Band Handheld Ham Radio comes with an**18 Months Warranty** from the date of purchase. BAOFENG also provides **Lifetime Support** for this product.
For technical assistance, troubleshooting, or warranty claims, please visit the official BAOFENG store or contact their customer support channels. Keep your purchase receipt as proof of purchase for warranty services.
For more information and resources, you may visit theBAOFENG Store on Amazon.

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