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› BAOFENG K6 Tri-Band Handheld Ham Radio User Manual

BAOFENG K6

BAOFENG K6 Tri-Band Handheld Ham Radio User Manual

Model: K6

INTRODUCTION

The BAOFENG K6 is a powerful tri-band handheld ham radio designed for reliable communication across various frequency ranges. It supports VHF, UHF, FM, Airband, 1.25M, 1M, and NOAA reception, making it versatile for both urban and remote environments. With a 5W power output and a 2600mAh battery, the K6 ensures extended operation.

Key features include effortless keypad programming with one-key frequency copy and reverse functions, versatile monitoring modes (dual-watch, single-watch, single-band), and an innovative FM listening anti-interruption setting. Users can personalize settings with secure power-on passwords, customizable boot-up display text, and two programmable side keys for quick access to essential functions. The TX forbid function enhances safety by preventing accidental transmissions when used as a scanner. The K6 is also compatible with CHIRP software for advanced programming.

1. SETUP

1.1 Package Contents

Verify that all items are present in your BAOFENG K6 package:

- BAOFENG K6 Two Way Radio
- Standard Antenna
- Long High Gain Antenna
- Speaker Microphone
- 2600mAh Type-C Rechargeable Battery
- Desktop Charger



Image: The complete BAOFENG K6 kit, including the radio, two antennas, speaker microphone, battery, and charging accessories.

1.2 Battery Installation & Charging

The BAOFENG K6 is equipped with a 2600mAh Li-ion battery. Ensure the battery is fully charged before first use.

1. To install the battery, align the battery pack with the back of the radio and slide it upwards until it clicks into place.
2. For charging, 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 will show charging status.
 - **Type-C Charging:** Connect a Type-C USB cable (not included) directly to the Type-C port on the battery pack. This allows for convenient charging without the cradle.

TWO CHARGING METHODS



Desktop charging



2600mAh Battery



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

Image: Illustration of the two charging methods for the BAOFENG K6: desktop charging cradle and direct USB Type-C charging.

1.3 Antenna Attachment

The K6 comes with two antennas: a standard antenna and a long high-gain antenna. Choose the appropriate antenna based on your communication needs.

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



UP TO **999**
MEMORY CHANNELS

Image: Comparison of the standard original antenna and the longer high-gain antenna provided with the BAOFENG K6.

1.4 Speaker Microphone Attachment

For hands-free operation, attach the included speaker microphone.

1. Open the rubber cover on the side of the radio to expose the accessory ports.
2. Insert the speaker microphone's dual-pin plug firmly into the corresponding ports.

2. OPERATING INSTRUCTIONS

2.1 Power On/Off

To power on the radio, rotate the power/volume knob clockwise. To power off, rotate it counter-clockwise until it clicks.

2.2 Keypad Programming & Full Keypad Input

The K6 features an intuitive alphanumeric keypad for direct frequency and text input, making it convenient for outdoor use without a computer.

- **Direct Frequency Input:** Enter frequencies directly using the numeric keypad.
- **One-Key Frequency Copy:** Quickly copy frequencies from another radio.
- **One-Key Frequency Reverse:** Easily switch between repeater transmitter and receiver frequencies.



Image: Demonstrates the one-key frequency copy function, allowing quick duplication of frequencies from another radio.

ONE KEY FREQUENCY COPY



Image: Illustrates the one-key reverse repeater frequency function, simplifying repeater setup.

2.3 Tri-Band Transmission/Reception

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

- **VHF:** 136-174 MHz
- **UHF:** 400-512 MHz
- **1.25M:** 220-260 MHz
- **FM:** 65-108 MHz (Receive only)
- **Airband:** 108-136 MHz (Receive only)
- **NOAA:** 162.400-162.550 MHz (Receive only)

MULTI-BAND TRANSMIT & RECEIVE



Image: Visual representation of the multi-band transmit and receive capabilities of the BAOFENG K6 across various frequency ranges.

2.4 Versatile Monitoring Modes

Customize your monitoring experience with various modes:

- **Dual-Watch:** Monitor two frequencies simultaneously.
- **Single-Watch:** Focus on one primary frequency.
- **Single-Band Mode:** Operate within a specific frequency band.
- **FM Listening Anti-Interruption:** Block regular transmission and reception to enjoy uninterrupted FM radio listening.



Blizzard



Earthquakes



Tornados



Tsunami



Fire



10 PRESET NOAA WEATHER CHANNELS

Image: Depicts the versatile monitoring modes available on the BAOFENG K6, including dual-watch and FM listening anti-interruption.

2.5 NOAA Weather Channels

Stay informed with 10 preset NOAA weather channels for critical weather alerts.

BAOFENG

DW ☀️
435.51750 ☁️
MO20 🌧️
H
VFO
144.15875
H

V/M
A/B
📶

MENU ⏮️ ⏭️ ⏩ EXIT ⏏️
1 .? 2 ABC 3 DEF * 🔑
4 GHI 5 JKL 6 MNO 0 ⏪
7 PQRS 8 TUV 9 WXYZ # z

39cm/15.5"

16cm/6.3"

High-Gain Antenna

Original Antenna

Flexible

Long Range

15.5-INCH HIGH-GAIN ANTENNA

Image: Shows the BAOFENG K6 displaying a NOAA weather channel, with icons representing various weather conditions.

2.6 Personalized User Settings

Tailor your radio experience with customizable settings:

- **Power-On Passwords:** Secure your device with a custom password.
- **Customizable Boot-Up Display Text:** Personalize the message shown when the radio powers on.
- **Programmable Side Keys:** Assign frequently used functions to the two side keys for quick access.
- **TX Forbid Function:** Prevent accidental transmissions, especially useful when using the radio as a scanner.

POWER-ON PASSWORD



Image: The BAOFENG K6 display prompting for a power-on password, highlighting its security feature.

2.7 Official Product Video

Video: This official video from BAOFENG demonstrates various special features of the K6, including power-on message customization, full keypad input, one-key frequency reversal, and setting offsets.

3. MAINTENANCE

3.1 Battery Care

To maximize battery life, fully charge the 2600mAh battery before each extended use. Avoid overcharging or completely draining the battery frequently.

3.2 Cleaning

Wipe the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the Type-C port cover is closed when not charging to prevent dust and moisture ingress.

3.3 Antenna Care

Handle antennas with care. Avoid bending or twisting them excessively, as this can damage the connector or the antenna itself. Always ensure antennas are securely attached during operation.

4. TROUBLESHOOTING

If you encounter issues with your BAOFENG K6, refer to the following common troubleshooting tips:

- **No Power:** Ensure the battery is fully charged and correctly installed. Check the power/volume knob is rotated clockwise.
- **No Signal/Poor Reception:** Verify the antenna is securely attached. Ensure you are within range of a signal source. Try switching between the standard and high-gain antennas.
- **Transmission Issues:** Confirm the TX forbid function is not enabled in the settings. Ensure you have the necessary licenses for transmission in your region (e.g., Ham license for amateur radio bands).
- **Programming Difficulties:** The K6 is compatible with CHIRP software. For complex programming, consider using CHIRP (select K6 under BAOFENG) or refer to open-source firmware resources on GitHub by searching "BAOFENG UV-K6 Firmware".
- **Audio Distortion:** Check the volume level. Ensure the speaker microphone (if attached) is functioning correctly.

5. SPECIFICATIONS

Feature	Specification
Model Number	K6
Item Weight	1.52 pounds
Package Dimensions	8.03 x 4.72 x 4.25 inches
Number of Channels	999
Frequency Range	136-174 MHz (VHF), 400-512 MHz (UHF)
Voltage	3.7 Volts
Water Resistance Level	Not Water Resistant

6. WARRANTY AND SUPPORT

The BAOFENG K6 comes with an **18 Months Warranty & Lifetime Support** For any technical assistance or warranty claims, please contact BAOFENG customer service through their official channels.

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