

BAOFENG K5PLUS

BAOFENG K5 Plus Ham Radio User Manual

Model: K5PLUS | Brand: BAOFENG

1. INTRODUCTION

The BAOFENG K5 Plus is a versatile handheld ham radio designed for reliable long-range communication. It features tri-power output settings (High/Mid/Low), 999 programmable channels, and a clear 1.77-inch LED color screen. Key functionalities include VOX, DTMF, and a quick frequency copy feature, allowing for efficient setup without manual input. Equipped with a 2500mAh battery, it supports multiple charging methods including USB-C and a charging base. The K5 Plus also integrates a NOAA weather receiver with 10 dedicated channels for timely weather alerts, making it suitable for various outdoor activities and emergency preparedness.

2. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your K5 Plus radio.



Figure 2.1: Labeled diagram of the K5 Plus radio, showing antenna, LED flashlight, power/volume knob, battery release latch, color

LCD, V/M mode key, speaker and microphone, PTT key, accessory jack, SK1/SK2 keys, MENU key, navigation keys, BAND key, A/B select key, EXIT key, numeric keypad, Type-C charging port, and Type-C charging indicator.

3. WHAT'S IN THE BOX

The BAOFENG K5 Plus package includes the following items:

- 2 x K5 Plus Walkie Talkie Radios
- 4 x 2500mAh Lithium Ion Batteries
- 2 x Original Antennas
- 2 x 771 High Gain Antennas
- 2 x USB Charging Cables
- 2 x Desktop Chargers (Charging Bases)
- 2 x Belt Clips
- 2 x Headsets
- 1 x USB Programming Cable
- 1 x User's Manual



Figure 3.1: All components included in the BAOFENG K5 Plus package.

4. KEY FEATURES

The BAOFENG K5 Plus offers a range of features designed for enhanced communication and utility:

- **Tri-Power Output:** Adjustable High, Mid, and Low power levels for varied communication needs and battery conservation.
- **999 Channels:** Extensive channel capacity for diverse communication setups.
- **1.77" LED Color Screen:** Provides clear display of frequency, channel, and status information.
- **VOX Function:** Voice-operated transmission for hands-free operation.
- **DTMF Function:** Dual-Tone Multi-Frequency signaling for advanced communication features.
- **Quick Frequency Copy:** Rapidly copies frequencies from other radios without manual input.
- **Multiple Charging Methods:** Supports both USB-C direct charging and traditional base charging.
- **NOAA Weather Receiver:** Access to 10 NOAA channels for real-time weather alerts and forecasts.
- **USB Programming Cable:** Compatible with CHIRP software for custom programming.

- **Integrated LED Flashlight:** Provides illumination when needed.



Figure 4.1: Visual representation of the K5 Plus's key features.

5. SETUP

5.1 Battery Installation

1. Ensure the radio is powered off.
2. Locate the battery compartment on the back of the radio.
3. Align the battery with the grooves in the compartment.
4. Gently push the battery into place until it clicks, securing the battery release latch.

5.2 Charging the Battery

The K5 Plus supports both USB-C direct charging and charging via the included desktop base.

- **USB-C Charging:** Connect the provided USB-C cable to the Type-C port on the side of the radio and to a compatible USB power source (e.g., wall adapter, power bank, computer USB port). The charging indicator will illuminate.

- **Desktop Base Charging:** Place the radio into the desktop charging base. Ensure the charging contacts on the radio align with those on the base. Connect the desktop charger to a power outlet. The charging indicator on the base will show charging status.



Figure 5.1: Various methods for charging the K5 Plus radio.

5.3 Antenna Attachment

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

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Volume Control

- **Power On:** Rotate the Power/Volume knob clockwise until you hear a click and the screen illuminates.
- **Power Off:** Rotate the Power/Volume knob counter-clockwise until you hear a click and the screen turns off.
- **Volume Adjustment:** Rotate the Power/Volume knob clockwise to increase volume and counter-clockwise to decrease volume.

6.2 Frequency Copy Function

The K5 Plus allows for quick copying of frequencies from another radio.

1. **Step 1:** Power on your K5 Plus walkie talkie and press the "BAND" key. The display will show "Search".
2. **Step 2:** Press and hold the PTT button on the other walkie talkie to transmit its frequency. While it's transmitting, your K5 Plus will search for the frequency. Once found, press the "MENU" key to confirm.
3. **Step 3:** Switch your K5 Plus to channel mode. The display will now show the copied frequency, and you can begin communicating.



Figure 6.1: Detailed steps for using the Quick Copy Frequency feature.

6.3 NOAA Weather Receiver

The K5 Plus can receive NOAA weather broadcasts to keep you informed of weather conditions.

- To access NOAA weather channels, navigate through the radio's menu or use a dedicated function key if available (refer to the full user manual for specific key assignments).
- The radio has 10 pre-programmed NOAA channels to receive weather information effectively.



Figure 6.2: K5 Plus displaying NOAA weather channels and weather icons.

6.4 DTMF Function

The DTMF (Dual-Tone Multi-Frequency) function allows for advanced signaling, including single calls, group calls, and full calls.

- Utilize the numeric keypad to input DTMF tones for specific functions or selective calling.
- Refer to the comprehensive user manual for detailed instructions on configuring and using DTMF features.



Figure 6.3: DTMF Functionality for various call types.

6.5 Programming with CHIRP

The K5 Plus supports programming via CHIRP software using the included USB programming cable.

- Connect the USB programming cable to your radio and computer.
- Download and install the latest version of CHIRP software.
- Follow the instructions within CHIRP to read from and write to your radio, allowing for customization of channels, frequencies, and other settings. Search for model K5-PLUS within CHIRP.

BAOFENG

USB Programming Cable

Communicate with radio

接口

厂商 Baofeng

型号 K5-Plus

Support CHIRP programming, simple and fast

Figure 6.4: USB Programming Cable for CHIRP software compatibility.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your K5 Plus radio.

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid harsh chemicals or abrasive cleaners.
- **Battery Care:** Charge batteries fully before first use. Avoid overcharging or completely draining the batteries. Store batteries in a cool, dry place when not in use for extended periods.
- **Storage:** Store the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures.
- **Antenna Care:** Do not bend or force the antenna. Ensure it is securely attached during operation.

8. TROUBLESHOOTING

If you encounter issues with your K5 Plus radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on	Low or dead battery; improperly installed battery	Charge the battery; ensure battery is correctly installed and latched.
Cannot transmit or receive	Incorrect frequency/channel; antenna not connected; out of range	Verify frequency/channel settings; ensure antenna is securely attached; move closer to the other radio.
Poor audio quality	Low volume; squelch level too high; interference	Adjust volume; lower squelch level; move away from sources of interference.
Frequency copy fails	Transmitting radio too far or not transmitting correctly	Ensure the transmitting radio is close and actively transmitting during the copy process.

9. SPECIFICATIONS

Technical specifications for the BAOFENG K5 Plus Ham Radio:

Feature	Detail
Model Number	K5PLUS
Brand	BAOFENG
Number of Channels	999
Frequency Range	VHF UHF
Talking Range Maximum	5 Mile
Battery Type	Lithium Ion (2500mAh)
Voltage	7.4 Volts (DC)
Screen Type	1.77" LED Color Screen
Charging Methods	USB-C, Desktop Base Charger
Special Features	Long Range, Rechargeable, Integrated Flashlight, Weather Alert, Keypad Lock, Copy Frequency, DTMF
Water Resistance Level	Not Water Resistant
Item Weight	3.45 pounds (for the pack)
Package Dimensions	9.69 x 8.27 x 4.76 inches

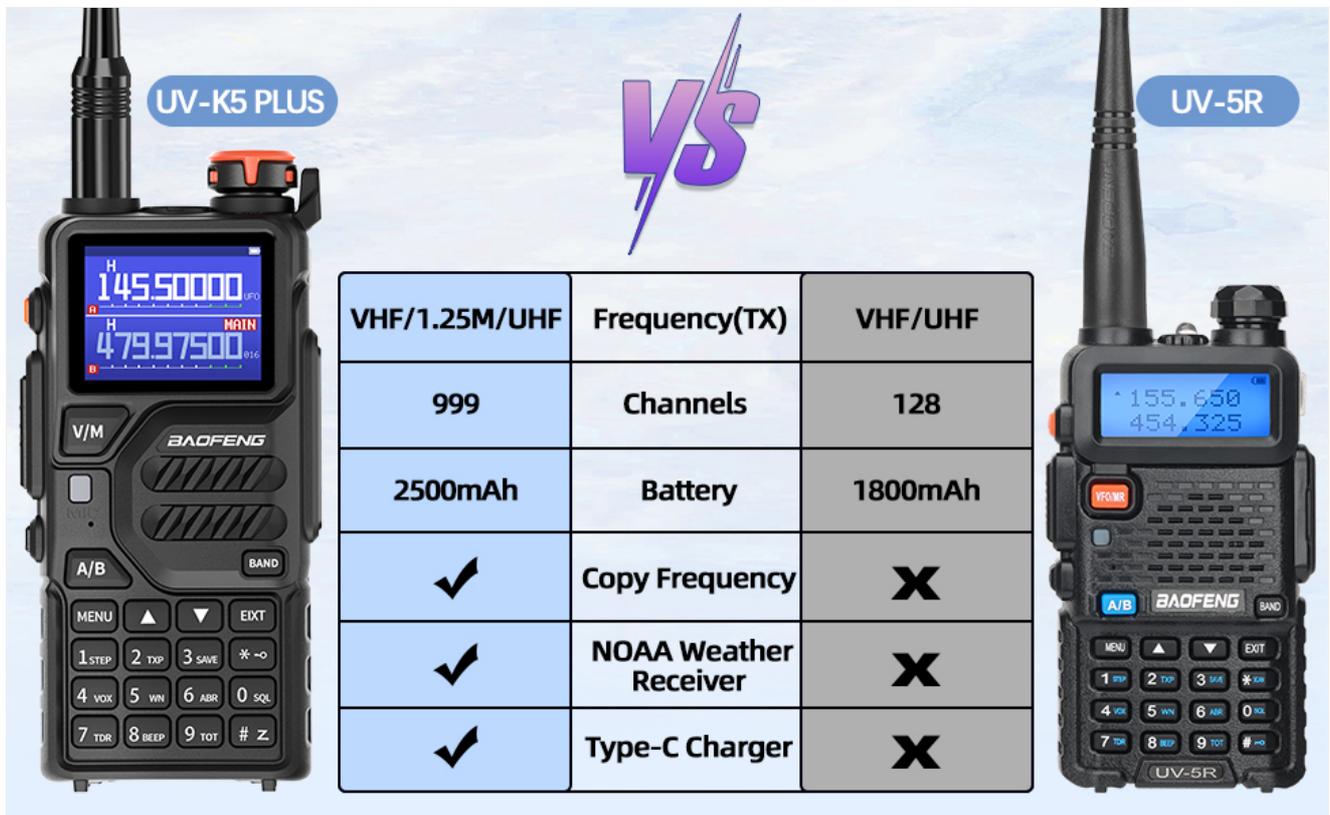


Figure 9.1: Comparison of K5 Plus with UV-5R model.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official BAOFENG website or contact the seller directly. Keep your purchase receipt as proof of purchase for any warranty claims.

11. APPLICATIONS

The BAOFENG K5 Plus is suitable for a variety of applications due to its robust features and long-range capabilities:

- **Camping:** Maintain communication in remote areas.
- **Rock Climbing:** Coordinate with climbing partners.
- **Cycling:** Stay in touch during group rides.
- **Mountaineering:** Essential for safety and communication in challenging terrains.
- **Emergency Preparedness:** Reliable communication during power outages or natural disasters.

APPLICATION



Camping



Rock Climbing



Cycling



Mountaineering

Figure 11.1: Common applications for the K5 Plus radio.

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Documents - BAOFENG – K5PLUS

BAOFENG

Amateur Radio

UV-5RM PLUS/ K5PLUS

USER'S MANUAL

[BAOFENG UV-5RM PLUS / K5PLUS Amateur Radio User's Manual](#)

Explore the BAOFENG UV-5RM PLUS/K5PLUS Amateur Radio User's Manual, a comprehensive guide for this dual-band, dual-display, dual-watch transceiver. Learn about its features, operation, battery charging, accessory installation, and advanced functions like scanning, programming, VOX, and DTMF. This manual provides essential safety warnings, regulatory compliance information (EU, FCC, IC), and troubleshooting tips for optimal performance and secure communication.

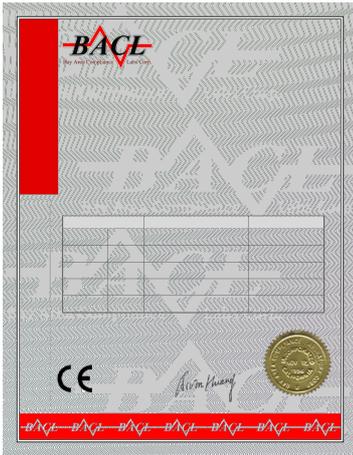
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This EU Type Examination Certificate (B23112713) issued by Bay Area Compliance Laboratories Corp. (BACL) confirms the conformity of BAOFENG and pofung amateur radio products, including models like UV-5RH and UV-10R MAX, with Directive 2014/53/EU (RED) and other relevant standards for radio spectrum, EMC, safety, and health.

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