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BAOFENG K5PLUS

BAOFENG K5PLUS Tri-Band 10W Portable Two-Way Radio User Manual

Model: K5PLUS

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1. INTRODUCTION

Thank you for choosing the BAOFENG K5PLUS Tri-Band 10W Portable Two-Way Radio. This device is designed for reliable and flexible communication across multiple frequency bands, including UHF, VHF, and 1.25M, with additional Airband reception capabilities. This manual provides essential information for the safe and efficient operation of your radio. Please read it thoroughly before use.





Figure 1: BAOFENG K5PLUS Tri-Band 10W Portable Two-Way Radio. This image displays the front view of the radio, highlighting its display, keypad, and antenna connection.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage to your radio, please observe the following precautions:

- Do not operate the radio in explosive atmospheres (e.g., near flammable gas, dust particles, or metallic

powders).

- Do not transmit without an antenna attached.
- Avoid exposing the radio to direct sunlight for extended periods or to extreme temperatures.
- Keep the radio away from water and moisture. This device is not water-resistant.
- Use only BAOFENG approved accessories and replacement parts.
- Do not attempt to disassemble or modify the radio. Repairs should only be performed by qualified technicians.
- Maintain a safe distance from medical devices, such as pacemakers, when operating the radio.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x BAOFENG K5PLUS Portable Two-Way Radio
- 1 x 2500 mAh Li-ion Battery
- 1 x Belt Clip
- 1 x Wrist Strap
- 1 x Antenna
- 1 x Desktop Charger
- 1 x Power Adapter for Desktop Charger
- 1 x Earpiece with Microphone



Figure 2: Included accessories for the BAOFENG K5PLUS radio. This image shows the radio, battery, antenna, belt clip, wrist strap, desktop charger, power adapter, and earpiece laid out.

4. SETUP

4.1. Battery Installation and Charging

1. **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. **Charge the Battery:**
 - **Desktop Charging:** Place the radio (with battery installed) into the desktop charger. Ensure the charging contacts align. The indicator light will show charging status.
 - **USB-C Charging:** Connect a USB-C cable (not included) directly to the USB-C port on the battery pack for convenient charging.

TWO CHARGING METHODS



Figure 3: Illustration of the two charging methods for the BAOFENG K5PLUS. The image shows the radio in its desktop charging cradle and a separate battery pack with a USB-C charging port.

4.2. Antenna Attachment

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

4.3. Belt Clip and Wrist Strap

Attach the belt clip to the back of the radio using the provided screws. Secure the wrist strap to the designated loop for added security.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Volume

- **Power On:** Rotate the power/volume knob clockwise until you hear a click.
- **Adjust Volume:** Continue rotating the knob to adjust the listening volume.
- **Power Off:** Rotate the power/volume knob counter-clockwise until you hear a click.

5.2. Display and Interface

The BAOFENG K5PLUS features a 1.77-inch large color screen for clear display of frequencies, channel names, battery status, and other operational indicators.



Figure 4: Close-up view of the BAOFENG K5PLUS's 1.77-inch large color screen, showing dual-band frequency display.

5.3. Frequency Bands and Multi-Band Operation

The K5PLUS supports tri-band transmission (UHF, VHF, 1.25M) and multi-band reception (VHF, UHF, FM, Airband, 1.25M, 1M). This provides extensive coverage and flexibility for various communication needs.

MULTI-BAND TRANSMIT & RECEIVE



Figure 5: Diagram illustrating the multi-band transmit and receive capabilities of the BAOFENG K5PLUS, including UHF, VHF, 1.25M, Airband, and FM broadcast reception.

5.4. Tri-Power Output

The radio offers adjustable power output levels: 10W (High), 7W (Medium), and 4W (Low). Select the appropriate power level based on your communication range requirements and battery conservation needs. Higher power provides longer range but consumes more battery.



Figure 6: Visual representation of the BAOFENG K5PLUS's tri-power output settings (10W, 7W, 4W) and their corresponding signal strength indicators.

5.5. One-Key Frequency Copy

This feature allows for quick and easy copying of frequencies and CTCSS/DCS codes from another radio. To use, activate the one-key frequency copy function (refer to your radio's menu for specific steps), then place the K5PLUS near the transmitting radio. This simplifies setup and ensures rapid synchronization.

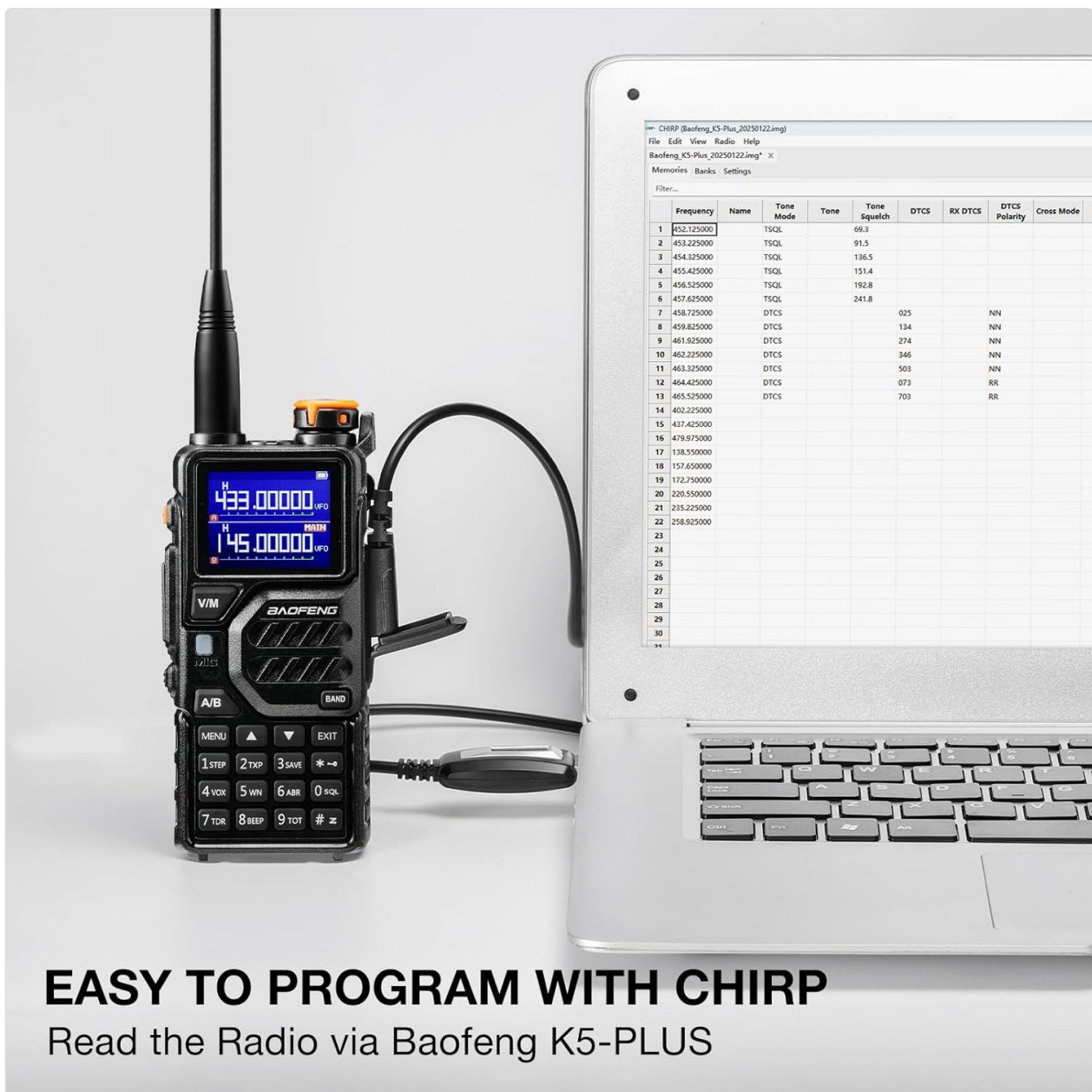
ONE KEY FREQUENCY COPY



Figure 7: Two BAOFENG K5PLUS radios demonstrating the one-key frequency copy function, showing one radio receiving frequency data from another.

5.6. CHIRP Programming

The BAOFENG K5PLUS is programmable using CHIRP software. This allows for easy configuration of frequencies, channel names, CTCSS/DCS tones, and power levels. CHIRP supports batch editing and offers broad compatibility, simplifying advanced radio programming. A programming cable (not included) is required to connect the radio to a computer.



EASY TO PROGRAM WITH CHIRP

Read the Radio via Baofeng K5-PLUS

Figure 8: The BAOFENG K5PLUS connected to a laptop, illustrating the process of programming the radio using CHIRP software.

5.7. Channel Management

The radio supports up to 999 channels. Channels can be programmed manually or via CHIRP software. Use the V/M button to switch between Frequency (VFO) mode and Channel (Memory) mode.

5.8. Scanning Functions

The K5PLUS includes various scanning capabilities:

- **Channel Scanning:** Scans through programmed memory channels.
- **Frequency Scanning:** Scans a range of frequencies in VFO mode.
- **CTCSS/DCS Scanning:** Detects CTCSS/DCS tones on an active frequency.



Figure 9: Icons representing the channel, frequency, and CTCSS/DCS scanning features available on the BAOFENG K5PLUS radio.

5.9. Scrambler Function

For enhanced communication privacy, the radio includes a scrambler function. This feature encrypts your voice transmission, making it difficult for unauthorized listeners to understand your conversation. Refer to the menu settings for activation and configuration.



Figure 10: A visual representation of the scrambler function, depicting a shield and lock icon over the radio display, symbolizing enhanced communication security.

6. MAINTENANCE

6.1. Cleaning

Wipe the radio's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the radio is dry before use.

6.2. Battery Care

- Fully charge the battery before first use.
- Avoid overcharging or completely draining the battery.
- Store the battery in a cool, dry place when not in use for extended periods.

6.3. Storage

When storing the radio for a long time, remove the battery and store it separately. Keep the radio in a dry, dust-free environment.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on	Battery is low or not installed correctly	Charge the battery or re-install it properly.

Problem	Possible Cause	Solution
Cannot transmit or receive	Incorrect frequency/channel, low battery, antenna not connected, squelch too high	Verify frequency/channel settings. Charge battery. Ensure antenna is securely attached. Adjust squelch level.
Poor audio quality	Weak signal, incorrect CTCSS/DCS settings, microphone/speaker issue	Move to an area with better signal. Check CTCSS/DCS settings. Test with another earpiece/microphone if applicable.
Battery drains quickly	High power output, frequent transmission, old battery	Use lower power output when possible. Reduce transmission time. Consider replacing the battery if it's old.






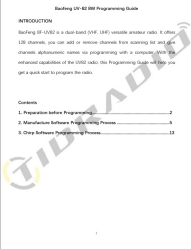
8. SPECIFICATIONS

Feature	Detail
Brand	BAOFENG
Model	K5PLUS
Dimensions	20.4 x 11.9 x 10.8 cm
Weight	630 g
Battery	1 x 2500 mAh Li-ion (included)
Battery Life (Average)	24 Hours
Tuner Technology	VHF / UHF
Frequency Spectrum	144–146 MHz & 430–440 MHz (Tri-band support including 1.25M)
Max Talk Range	10 Kilometers
Number of Channels	999
Special Features	Rechargeable, One-Key Frequency Copy, CHIRP Programmable, Airband Reception
Water Resistance Level	Not water-resistant
Compatible Devices	Other radios, CHIRP programming software, repeater master software

9. WARRANTY & SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

Related Documents - K5PLUS

	<p>BAOFENG UV-5RM PLUS / K5PLUS Amateur Radio User's Manual</p> <p>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.</p>
	<p>BaoFeng BF-UV5R Programming Guide</p> <p>A comprehensive guide to programming the BaoFeng BF-UV5R dual-band amateur radio using both the manufacturer's software and CHIRP. Covers system requirements, cable setup, software installation, and detailed parameter explanations for radio customization.</p>
	<p>BAOFENG UV-17R Series Two Way Radio User Manual</p> <p>Comprehensive user manual for the BAOFENG UV-17R Series Two Way Radio, covering operation, features, charging, accessory installation, troubleshooting, and technical specifications for optimal performance and reliable communication.</p>
	<p>Baofeng DM-32UV Digital DMR Analog Two Way Radio User Manual</p> <p>Explore the Baofeng DM-32UV, a versatile dual-band digital DMR and analog two-way radio. This user manual provides comprehensive instructions for operating the DM-32UV, featuring advanced communication technology, high-audio quality, digital encryption, GPS/BeiDou positioning, and various scanning capabilities for UHF/VHF frequencies. Learn about its functional features, battery maintenance, and safety guidelines for optimal performance.</p>
	<p>SainSonic BAOFENG GT-3WP Water-Resistant Two-Way Radio User Manual</p> <p>A comprehensive user manual for the SainSonic BAOFENG GT-3WP, a durable dust and waterproof dual-band two-way radio designed for amateur, maritime, and shipping users. This guide covers installation, battery management, operational features, troubleshooting, and technical specifications to maximize radio performance.</p>
	<p>Baofeng UV-82 8W Programming Guide: How to Program Your Amateur Radio</p> <p>A comprehensive guide to programming the Baofeng UV-82 8W dual-band amateur radio using both manufacturer software and CHIRP. Learn about system requirements, programming cables, software setup, channel configuration, and advanced settings.</p>