BAOFENG UV-5G PLUS

BAOFENG UV-5G Plus GMRS Handheld Radio Instruction Manual

Model: UV-5G PLUS

Introduction

The BAOFENG UV-5G Plus is an advanced GMRS handheld radio designed for reliable and versatile communication. This upgraded model features a large color display, extended battery life, and enhanced functionality for various applications, from outdoor adventures to professional use. This manual provides detailed instructions to help you set up, operate, and maintain your radio effectively.



Image: Two BAOFENG UV-5G Plus GMRS handheld radios, showcasing their design and included accessories like antennas and charging cables.

What's in the Box

Your BAOFENG UV-5G Plus package includes the following components:

- 2 x UV-5G Plus Radio Units
- 2 x 8" High Gain Antennas
- 2 x 15.5" High Gain Antennas
- 2 x 2500mAh Li-ion Batteries (with USB-C port)
- 2 x USB-C Charging Cables with Adapters
- 2 x Belt Clips
- 2 x Hand Straps

- 1 x Programming Cable



Image: A comprehensive view of all items included in the BAOFENG UV-5G Plus package, neatly arranged.

Key Features

- **969 Fully Customizable Channels:** Offers extensive channel capacity for GMRS, GMRS repeater, UHF, and VHF frequencies.
- **Enhanced Battery Capacity:** Equipped with a 2500mAh battery, providing extended operating time. Features a convenient USB-C charging port for versatile power options.



Image: A visual comparison illustrating the increased capacity of the 2500mAh battery in the UV-5G Plus compared to a standard 1800mAh battery.

- **Large 1.9" Color Display:** Provides clear and easy-to-read information, including frequency and channel numbers.



Image: A detailed view of the radio's 1.9-inch color LCD screen, highlighting its dual watch and dual display capabilities for frequency and channel information.

- **Real 5W Power Output:** Ensures stable and long-range communication, suitable for various terrains.



Image: The radio connected to a power meter, visually confirming its real 5-watt power output, with indicators for High (5W), Medium (3W), and Low (0.5W) power settings.

- **Seamless Frequency Copy:** Allows for easy cloning of frequency configurations between radios.
- **High Gain Antennas:** Includes both 8" and 15.5" high gain antennas for improved reception and transmission.



Image: A visual comparison showing the longer 8-inch and 15.5-inch high gain antennas of the UV-5G Plus, designed for enhanced signal performance, next to a shorter, standard antenna.

- **NOAA Weather Receiving:** Provides timely weather alerts for enhanced safety during outdoor activities.
- **CHIRP Programming Compatible:** Supports CHIRP software for advanced programming (select "UV-5G Plus" under Radioddity).

Setup

1. **Charge the Battery:** Before first use, fully charge the 2500mAh Li-ion battery. Connect the provided USB-C charging cable to the battery's USB-C port and plug the adapter into a power source. The charging indicator will show the status.
2. **Attach the Antenna:** Carefully screw the desired antenna (8" or 15.5") onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.
3. **Install the Battery:** Align the battery with the battery compartment on the back of the radio and slide it into place until it clicks securely.
4. **Attach Belt Clip/Hand Strap:** If desired, attach the belt clip to the back of the radio and the hand strap to the

designated loop for convenient carrying.

5. **Power On:** Rotate the power/volume knob clockwise to turn on the radio. Adjust the volume to a comfortable level.

Operating Instructions

1. **Channel Selection:** The UV-5G Plus supports 969 channels. Use the keypad to directly enter channel numbers or use the UP/DOWN arrow keys to navigate through channels. The large color display will show the selected frequency and channel number.
2. **Frequency Copy Feature:** This feature allows for seamless cloning of frequency configurations from one UV-5G Plus radio to another. Refer to the detailed instructions in the full user manual for the step-by-step process.



Image: Two UV-5G Plus radios positioned to illustrate the wireless frequency copy function, showing signals transferring between them.

3. **NOAA Weather Receiving:** To access NOAA weather channels, switch to the appropriate mode or channel as indicated in the radio's menu. This feature provides real-time weather updates.
4. **Transmitting:** Press and hold the Push-To-Talk (PTT) button on the side of the radio to transmit. Release the button to listen. Ensure you have a valid GMRS license for transmitting on GMRS frequencies.
5. **Range Considerations:** The effective talking range varies based on terrain and obstructions. The radio can achieve up to 7 miles in open areas, 2-4 miles in suburban areas, and 1-2 miles in urban environments.



Image: A graphic depicting the maximum talking range of the radio, showing up to 7 miles in open areas, 2-4 miles in suburban areas, and 1-2 miles in urban settings.

6. **CHIRP Programming:** For advanced users, the radio can be programmed using CHIRP software via the included programming cable. This allows for detailed customization of channels and settings.

Maintenance

- **Battery Care:** To prolong battery life, avoid overcharging and fully discharging the battery. Store the radio and battery in a cool, dry place when not in use. Note that the UV-5G Plus battery is not compatible with 5R series batteries.
- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Water Resistance:** The radio features a water-resistant design. While it can withstand splashes, it is not designed for submersion. Keep the USB-C port cover securely closed to prevent water ingress.
- **Antenna Care:** Ensure the antenna is securely attached. Avoid bending or stressing the antenna, as this can affect performance.

Troubleshooting

If you encounter issues with your BAOFENG UV-5G Plus radio, try the following basic troubleshooting steps:

- **No Power:** Ensure the battery is fully charged and properly installed. Check the power/volume knob is turned on.
- **Poor Reception/Transmission:** Verify the antenna is securely attached. Ensure you are within range of the other radio or repeater. Check for obstructions like buildings or dense foliage.
- **Static or Unclear Audio:** Adjust the volume. Check the squelch level (SQL setting) in the radio's menu. Ensure both radios are on the same frequency and tone settings (CTCSS/DCS).
- **Programming Issues:** Ensure the programming cable is correctly connected to both the radio and your computer. Verify you are using the correct CHIRP software version or BAOFENG programming software.

For more detailed troubleshooting or complex issues, please refer to the comprehensive user manual or contact BAOFENG customer support.

Specifications

Feature	Specification
Model Number	UV-5G PLUS
Item Weight	2.4 pounds
Package Dimensions	8.74 x 7.95 x 3.98 inches
Battery Type	Lithium Ion (2 required)
Battery Capacity	2500mAh
Number of Channels	999
Power Output	Real 5W
Frequency Range (GMRS)	462.5625-467.7250 MHz (RX & TX)
Frequency Range (VHF/UHF)	VHF 136-173.99 MHz & UHF 400-519.99 MHz (RX only)
Talking Range Maximum	7 Miles (Open Area)
Water Resistance Level	Water Resistant
Color	Black

Warranty and Support

The BAOFENG UV-5G Plus GMRS Handheld Radio comes with an 18-month warranty from the date of purchase. This warranty covers manufacturing defects and ensures the quality and reliability of your product.

For technical support, warranty claims, or any inquiries regarding your radio, please contact BAOFENG customer service through their official website or the retailer where you purchased the product. Keep your proof of purchase for warranty validation.

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Example: How do I reset this device or fix this error?

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