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BAOFENG UV-5Rmini

Baofeng UV-5R Mini Dual Band Walkie Talkie User Manual

Model: UV-5Rmini

INTRODUCTION

This user manual provides comprehensive instructions for the operation and maintenance of your Baofeng UV-5R Mini Dual-Band Radio. Designed for reliable communication, this device features Bluetooth APP programming, 999-channel capacity, NOAA weather alerts, and USB-C fast charging. Please read this manual thoroughly before using the device to ensure proper function and safety.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present:

- Baofeng UV-5R Mini Radio Unit(s)
- Battery Pack(s)
- Antenna(s)
- USB-C Charging Cable(s)
- Power Adapter(s)
- Belt Clip(s)
- Earpiece(s)
- User Manual (this document)



Image: Contents of the Baofeng UV-5R Mini package, including two radio units and all standard accessories.

SETUP

1. Attaching the Antenna

Carefully screw the antenna clockwise into the antenna connector on the top of the radio until it is finger-tight. Do not overtighten.

2. Installing the Battery

Align the battery pack with the grooves on the back of the radio. Slide the battery upwards until it clicks securely into place. To remove, press the battery release latch (if present) and slide the battery downwards.

3. Charging the Battery

Connect the USB-C charging cable to the USB-C port on the radio or battery pack, and the other end to a compatible USB power adapter. The charging indicator light will illuminate. A full charge typically takes approximately 3 hours. The radio supports charging via power banks or car adapters.



Image: USB-C charging port on the Baofeng UV-5R Mini, highlighting its fast charging feature.

4. Attaching the Belt Clip

Secure the belt clip to the designated area on the back of the battery pack using the provided screws.

OPERATING INSTRUCTIONS

Power On/Off and Volume Control

Rotate the volume knob/switch clockwise to power on the radio. Continue rotating to adjust the volume. Rotate counter-clockwise until a click is heard to power off the radio.

Display and Keypad Functions

FUNCTION KEY ANALYSIS



Image: Detailed diagram of the Baofeng UV-5R Mini's function keys and components.

The radio features a 1.44-inch full-color LCD display providing multi-information display. The keypad allows for direct frequency entry and function access.

LED full-color large screen

Multi information display screen

1.44-inch
full-color screen



Image: The vibrant 1.44-inch full-color display of the Baofeng UV-5R Mini.

Channel and Frequency Management

- **999 Channel Storage:** The radio supports storage of up to 999 independent channels. Each channel can be configured with specific transmission/reception frequencies, CTCSS/DCS privacy subtone codes, transmitting power (5W/2W), and relay frequency differences.
- **Direct Channel Calling:** Enter channel numbers directly using the numeric keypad (e.g., "128"). Channels can also be browsed using the knobs.
- **Bluetooth APP Programming:** Configure channels wirelessly using the official iOS/Android app via Bluetooth. This allows for batch modification of frequencies, subtone codes, and power settings without a PC or cables. Team parameter synchronization can be achieved by pushing updates to multiple devices simultaneously.

Bluetooth read-write frequency

Suitable for industries such as construction
engineering business office, and
warehouse scheduling



Image: Bluetooth connectivity for wireless frequency programming.

One click frequency matching

Convenient, fast
and easy matching



Image: One-click frequency matching for convenient and fast synchronization.

Dual Frequency Dual Display Dual Standby

The radio allows for independent monitoring of VHF (144-148MHz) and UHF (420-450MHz) bands simultaneously. The main and sub-screens will automatically switch active channels. The dual PTT emission design allows for independent transmission on main and secondary channels.

Dual PTT emission

Dual standby, dual launch

The main/secondary channel adopts a dual button design

999 channels

Massive channel storage

Provide communication flexibility and convenient management

Multi segment scanning reception

VHF and UHF dual segment intercom

Support AM aviation frequency/FM frequency band reception

Adjustable high and low power

Scene switchable

Flexible adjustment of power size to achieve energy saving and high efficiency



Image: Overview of key operational features including dual PTT and multi-segment scanning.

NOAA Weather Warning

The radio can receive real-time disaster warnings (hurricane, rainstorm, avalanche) on the 162.400 – 163.275MHz frequency band from ten official meteorological stations. Long press the '#' key to automatically scan and lock onto the strongest weather signal, providing advance warning for outdoor safety.

LED Flashlight

The integrated LED flashlight is suitable for use in dark environments, assisting with night patrols or emergency situations.

LED flashlight Suitable for dark environments

Night patrols are conducted using walkie talkies and flashlights



Image: The LED flashlight feature of the Baofeng UV-5R Mini.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Store the radio and battery in a cool, dry place when not in use for extended periods.
- **Storage:** When storing the radio for a long time, remove the battery pack.
- **Water Resistance:** This device is not water resistant. Avoid exposure to water or high humidity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is discharged.	Ensure battery is securely attached. Charge the battery fully.
Cannot transmit or receive.	Incorrect frequency/channel, low battery, or antenna not attached.	Verify frequency/channel settings. Charge battery. Ensure antenna is securely attached. Check if you are within range of other radios or repeaters.
Poor audio quality.	Weak signal, interference, or incorrect squelch setting.	Move to an area with better signal. Adjust squelch level. Check for sources of interference.
Bluetooth programming fails.	Bluetooth not enabled on radio/device, app issues, or radio too far from device.	Ensure Bluetooth is active on both radio and mobile device. Restart the app and radio. Keep devices close during programming.

SPECIFICATIONS

Model Number	UV-5Rmini
Brand	BAOFENG
Number of Channels	999
Special Feature	Dual Band
Talking Range Maximum	5 Kilometer
Tuner Technology	UHF
Water Resistance Level	Not Water Resistant
Included Components	Radio Unit, Battery Pack, Antenna, USB-C Charging Cable, Power Adapter, Belt Clip, Earpiece
Battery Capacity	2200mAh Lithium Battery
Charging Time	Approx. 3 hours (USB-C Fast Charging)
Battery Life (Continuous Talk)	8 hours (at 5W output)
Standby Time	72 hours (energy-saving mode)
Display	1.44-inch Full-Color LED Screen

Note: Specifications are subject to change without notice.

WARRANTY AND SUPPORT

The Baofeng UV-5R Mini comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or exposure to water.

For technical support, warranty claims, or service inquiries, please contact your authorized dealer or visit the official BAOFENG website. Please have your model number and purchase date ready when contacting support. For additional resources and product information, you may visit the [BAOFENG Store on Amazon](#).