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BAOFENG UV-5Rmini

BAOFENG UV-5R Mini Two-Way Radio Instruction Manual

Model: UV-5Rmini | Brand: BAOFENG

1. INTRODUCTION

The BAOFENG UV-5R Mini is a compact, dual-band two-way radio designed for versatile communication. It features wireless app programming, one-touch frequency copy, airband reception, and NOAA weather scan capabilities, making it suitable for various outdoor activities, emergency preparedness, and amateur radio use. This manual provides essential information for the safe and effective operation of your device.



Image: BAOFENG UV-5R Mini Two-Way Radio, showcasing its compact design.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- BAOFENG UV-5R Mini Two-Way Radio (2 units)
- Rechargeable Batteries (2 units)
- High-Gain Antennas (2 units)
- Tactical Short Antennas (2 units)
- Earpieces (2 units)
- USB-C Chargers (2 units)
- PC Programming Cable (1 unit)
- Belt Clips (2 units)
- User Manual

3. PRODUCT OVERVIEW

The UV-5R Mini features a durable, compact design with a 1.44-inch full-color HD display. It supports dual PTT emission, 999 channels, multi-segment scanning reception (VHF/UHF/AM/FM), and adjustable high/low power settings.



Image: Detailed view of the BAOFENG UV-5R Mini, highlighting its function keys and components.

Key Features:

- **Wireless & Wired Programming:** Bluetooth App Programming for smartphone updates and PC Programming Cable included.
- **Airband Scanner:** AM Aviation Band (108-136MHz) for air traffic control monitoring.
- **One-Key Frequency Search:** Instantly detects and clones frequencies and privacy codes from nearby radios.
- **USB-C Charging:** Direct USB-C port on the radio body for convenient charging.
- **Adaptable Antennas:** Includes both high-gain and tactical short antennas for various environments.
- **Emergency Features:** 10 NOAA Weather Channels with auto-alert, high-lumen flashlight, SOS alarm, and FM radio.



Image: The BAOFENG UV-5R Mini displaying its 1.44-inch full-color HD screen.

4. SETUP

4.1. Attaching the Antenna

Carefully screw the desired antenna (high-gain or tactical short) onto the antenna connector at the top of the radio. Do not overtighten.

4.2. Charging the Battery

The UV-5R Mini features a direct USB-C charging port on the back of the radio. Connect the provided USB-C cable to the radio and a compatible USB power source (e.g., wall adapter, power bank, computer USB port). The charging indicator will show the charging status. Ensure the battery is fully charged before first use.



Image: The BAOFENG UV-5R Mini connected via its USB-C port for charging.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Volume Control

Rotate the knob at the top of the radio clockwise to power on and increase volume. Rotate counter-clockwise to decrease volume and power off.

5.2. Wireless App Programming

The UV-5R Mini supports Bluetooth app programming for convenient frequency management via your smartphone. Follow these steps:

1. Ensure the radio is powered on.
2. Navigate to the 'Wireless Cps' option in the radio's menu and set it to 'ON' to enable Bluetooth.
3. Open the dedicated BAOFENG programming app on your smartphone.
4. In the app, select 'Add Scan' to search for nearby devices.
5. Choose the 'walkie-talkie' option and select the 'MINI-5' model (or corresponding model).
6. Once connected, you can read, edit, write, and save frequency schemes directly from the app.

Your browser does not support the video tag.

Video: Tutorial demonstrating the Bluetooth app programming process for the BAOFENG UV-5R Mini.



Image: The BAOFENG UV-5R Mini demonstrating Bluetooth frequency read-write capability.

5.3. One-Touch Frequency Copy (Manual P15)

This feature allows you to quickly detect and clone frequencies from another radio, ideal for team communication and group pairing.

1. Turn on the UV-5R Mini.
2. Press and hold the center pairing button (often labeled 'V/M' or similar, refer to 'FUNCTION KEY ANALYSIS' image) while turning on the device to enter pairing mode. The display will show 'SEARCH SEEK...'.
3. On the other radio, press and hold its transmit button.
4. The UV-5R Mini will scan and display the detected frequency.
5. After scanning, press the function button to select a channel and save the frequency.
6. You can now communicate on the newly copied channel.

Your browser does not support the video tag.

Video: Demonstration of the quick matching (one-touch frequency copy) function between two BAOFENG UV-5R Mini radios.



One click frequency matching

Convenient, fast and easy matching

Image: The BAOFENG UV-5R Mini demonstrating one-click frequency matching.

5.4. NOAA Weather Scan

The radio includes 10 NOAA Weather Channels with an auto-alert scanning feature to provide timely warnings for severe weather conditions. Consult the radio's menu for specific NOAA channel access and alert settings.

5.5. Airband Reception

Equipped with AM Aviation Band (108-136MHz), the UV-5R Mini can function as a handheld scanner for monitoring air traffic control communications. Access this band through the radio's frequency mode settings.

Dual PTT emission
Dual standby, dual launch
The main/secondary channel adopts a dual button design

Multi segment scanning reception
VHF and UHF dual segment intercom
Support AM aviation frequency/FM frequency band reception

999 channels
Massive channel storage
Provide communication flexibility and convenient management

Adjustable high and low power
Scene switchable
Flexible adjustment of power size to achieve energy saving and high efficiency

Image: The BAOFENG UV-5R Mini highlighting its multi-band reception capabilities, including airband, and 999 channel storage.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or solvents.
- **Battery Care:** Avoid overcharging or completely draining the battery. Store the radio and battery in a cool, dry place when not in use for extended periods.
- **Antenna:** Ensure the antenna is securely attached. Do not operate the radio without an antenna.
- **Water Resistance:** This device is not water-resistant. Avoid exposure to water or high humidity.

7. TROUBLESHOOTING

7.1. No Power

- Check if the battery is properly installed and charged.
- Ensure the power/volume knob is turned on.

7.2. Cannot Transmit or Receive

- Verify the antenna is securely attached.
- Ensure you are on the correct frequency/channel.
- Check if the battery level is sufficient.
- Confirm that the squelch level is not set too high.

7.3. Poor Audio Quality

- Adjust the volume level.
- Check for obstructions between radios or if you are at the edge of the communication range.
- Ensure the microphone and speaker are clear of debris.

8. SPECIFICATIONS

Model Number	UV-5Rmini
Brand	BAOFENG
Frequency Range	144-148MHz, 420-450MHz (Dual Band)
Number of Channels	999
Talking Range Maximum	10 Kilometer
Voltage	3.7 Volts (DC)
Item Weight	1.5 pounds
Package Dimensions	7.4 x 6.93 x 2.28 inches
Batteries	1 AAA batteries required. (included)
Water Resistance Level	Not Water Resistant

9. WARRANTY AND SUPPORT

The BAOFENG UV-5R Mini comes with a 2-year warranty from the date of purchase. For technical support, troubleshooting assistance, or warranty claims, please contact BAOFENG customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty validation.