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› BAOFENG UV-5RM Multi-Band Handheld Two-Way Radio User Manual

BAOFENG UV-5RM

BAOFENG UV-5RM Multi-Band Handheld Two-Way Radio User Manual

Model: UV-5RM

1. INTRODUCTION

The BAOFENG UV-5RM is a powerful and versatile 10W multi-band handheld two-way radio designed for reliable long-range communication. It features a robust design, a high-capacity battery, and multiple functionalities including NOAA weather reception, AM/FM radio, and one-touch frequency matching. This manual provides essential information for the proper setup, operation, and maintenance of your UV-5RM radio.



Image 1.1: Overview of the BAOFENG UV-5RM radio and included accessories.

2. WHAT'S IN THE BOX

Please check the package contents upon receipt to ensure all items are present:

- 2x BAOFENG UV-5RM Radios
- 2x 2500mAh Lithium-ion Batteries
- 2x High-Quality Handheld Microphones
- 2x Charging Bases
- 2x USB-C Charging Cables
- 2x Original Antennas
- 2x 805 Mini Antennas
- 2x 771 Tactical Folding Antennas
- 2x Belt Clamps
- 2x Hand Straps

Basic Configuration



UV-5RM



Battery



Basic Antenna



Belt Clip



Basic Charger



Lanyard



User's Manual

Additional Configuration



771 Antenna x2



805 Antenna x2



microphone x2



TYPE-C Charger x2



Programming cable

Image 2.1: Visual representation of the basic and additional components included with the UV-5RM package.

3. SETUP

3.1 Battery Installation and Charging

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks into place.
3. To charge, connect the USB-C cable to the radio or place the radio in the charging base. The indicator light on the charging base will show charging status.

The 2500mAh high-capacity battery ensures extended operation. USB-C fast charging allows for convenient power replenishment.

3.2 Antenna Attachment

Screw the desired antenna (original, 805 mini, or 771 tactical folding antenna) clockwise onto the antenna connector at the top of the radio until it is finger-tight. Ensure a secure connection for optimal performance.

High Gain Antenna

Long antennas can bend freely.
Compared to the original antenna,
the communication distance has
increased by up to **30%**.



14.96in
(38cm)



Image 3.1: Illustration of the high gain antenna, which can increase communication distance.

3.3 Programming with CHIRP Software

The UV-5RM supports programming via CHIRP software. Connect the radio to your computer using the provided programming cable. This allows for advanced customization of frequencies, channels, and other settings.



Image 3.2: The UV-5RM connected to a computer for programming using CHIRP software.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Rotate the volume knob clockwise to power on the radio. Rotate counter-clockwise until a click is heard to power off.

4.2 Basic Frequency Selection

Use the keypad to directly input frequencies or navigate through stored channels. The VFO/MR button switches between Frequency Mode (VFO) and Channel Mode (MR).

4.3 One-Touch Frequency Matching

The UV-5RM features a one-touch frequency matching function. Press and hold the designated button (refer to your radio's specific button layout, often marked with a 'copy' or 'search' icon) to quickly copy frequencies from another radio. The radio will display the receiving frequency and any CTCSS/DCS values.

One Key Frequency Match



Image 4.1: Demonstrating the one-key frequency matching function for quick setup.

4.4 Adjusting Power Levels (H/M/L)

The radio offers High (10W), Middle (5W), and Low (2W) power output settings. Adjusting the power level can conserve battery life or extend range as needed. Consult the radio's menu for power level selection.



Image 4.2: Display showing High, Middle, and Low power output settings (10W, 5W, 2W).

4.5 NOAA Weather Reception

The UV-5RM includes a NOAA weather receiver, allowing you to access 10 NOAA weather bands for emergency alerts and weather information.

4.6 AM/FM Radio

The radio can receive standard AM and FM broadcast bands. Refer to the user interface for switching to AM/FM radio mode.



Image 4.3: The UV-5RM displaying its FM/AM and NOAA weather receiving capabilities.

4.7 Using the Handheld Microphone

Connect the handheld microphone to the radio's accessory port. The microphone allows for convenient one-handed control and clear audio transmission. It typically includes a Push-To-Talk (PTT) button and a speaker.

High quality walkie talkie microphone

One handed control
smooth communication



360 ° rotating clamp



Compatible with
3.5mm headphone jack



LED indicator light



portability



splash-proof



travel afar



clear sound



indicator



3.5mm audio

Image 4.4: Features of the high-quality handheld microphone, including portability and clear sound.

5. MAINTENANCE

5.1 General Care

- Keep the radio clean by wiping it with a soft, damp cloth. Avoid harsh chemicals.
- Do not expose the radio to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture. The radio is not water-resistant.
- Ensure all ports are covered when not in use to prevent dust and debris entry.

5.2 Battery Care

- Charge the battery fully before first use.
- Avoid overcharging or completely draining the battery to prolong its lifespan.
- Store the radio and battery in a cool, dry place when not in use for extended periods.

6. TROUBLESHOOTING

If you encounter issues with your BAOFENG UV-5RM, consider the following common solutions:

- **No Power:** Ensure the battery is properly installed and charged. Check the power knob.
- **Cannot Transmit/Receive:** Verify the antenna is securely attached. Check frequency settings and ensure you are on an active channel. Confirm power output settings.
- **Poor Audio Quality:** Check the microphone connection. Ensure the volume is adjusted correctly.
- **Programming Issues:** Ensure the programming cable is correctly connected and the CHIRP software is configured for the UV-5RM model.

For persistent issues, refer to the detailed troubleshooting section in the full user manual or contact customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	UV-5RM
Output Power	10W (High), 5W (Middle), 2W (Low)
Battery Capacity	2500mAh Lithium-ion
Charging	USB-C Fast Charging, Charging Base
Number of Channels	999
Frequency Range (Receiving)	FM: 65-108MHz, AM: 108-136MHz, 136-174MHz, 220-260MHz, 350-390MHz, 400-520MHz
Frequency Range (Transmitting)	144-148MHz, 420-450MHz
Special Features	Dual Band, Keypad Lock, Long Range, Rechargeable, NOAA Weather Bands
Talking Range Maximum	5 Miles (under optimal conditions)
Voltage	3.7 Volts (DC)
Water Resistance Level	Not Water Resistant
Item Weight	3.54 pounds (approx.)
Package Dimensions	9.76 x 8.27 x 5.98 inches (approx.)

8. WARRANTY AND SUPPORT

8.1 Warranty Information

BAOFENG offers a comprehensive warranty program:

- **Radio Body:** 2-year warranty
- **Accessories:** 1-year warranty
- **Return Policy:** 30-day no-reason return policy

After the warranty period, maintenance services are available at your cost.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact BAOFENG customer service through the Amazon platform. We aim to provide a prompt response within 12 hours.



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