

BAOFENG 5RM

BAOFENG 5RM 10W Multi-Band Handheld Ham Radio Instruction Manual

Model: 5RM

1. INTRODUCTION

Thank you for choosing the BAOFENG 5RM Multi-Band Handheld Ham Radio. This device is designed to provide reliable and instant communication, suitable for various outdoor activities, work environments, and emergency preparedness. The 5RM model is an upgraded version, offering enhanced features and performance.

This manual provides essential information for the proper setup, operation, and maintenance of your BAOFENG 5RM radio. Please read it thoroughly before use to ensure optimal performance and safety.



Figure 1: BAOFENG 5RM Handheld Ham Radio

2. KEY FEATURES

- **10W High Power Output:** Provides extended communication range.
- **Multi-Band Operation:** Supports AM aircraft band, 2M, 1.25M, 70CM, and FM frequencies.
- **NOAA Weather Channels:** Pre-programmed channels for weather alerts.
- **1.77" TFT Large Color Display:** Intuitive main menu for easy function browsing.
- **One-Touch Frequency Match:** Convenient search and copy function for quick setup.
- **USB-C Charging:** 2500mAh battery with Type-C port for versatile charging.
- **999 Memory Channels:** Ample storage for your preferred frequencies.
- **Additional Functions:** Includes power-on password management, stopwatch, VOX, LED flashlight, scanning, squelch, DTMF, battery save, 50 CTCSS / 210 DCS, TOT, BCL, and alarm.



Figure 2: Multi-Band Frequency Support

Video 1: Overview of BAOFENG 5RM Ham Radio features and long-range capabilities.

3. SETUP

3.1 What's in the Box

The BAOFENG 5RM package includes the following components:

- BAOFENG 5RM Radio with Original Antenna (x2)
- 2500mAh Rechargeable Battery (x2)
- Earpiece (x2)
- Desktop Charger (x2)
- Belt Clip (x2)
- Hand Strap (x2)
- User's Manual (x1)



Figure 3: Package Contents

3.2 Initial Assembly

1. **Attach the Antenna:** Screw the antenna clockwise onto the connector at the top of the radio until secure.
2. **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.
3. **Attach the Belt Clip (Optional):** Secure the belt clip to the back of the radio using the provided screws.
4. **Charge the Battery:** Before first use, fully charge the battery using one of the methods described in Section 5.

4. OPERATING INSTRUCTIONS

4.1 Basic Controls

- **Power/Volume Knob:** Located at the top, turn clockwise to power on and increase volume, counter-clockwise to decrease volume and power off.

- **Antenna:** Connects to the top of the radio.
- **PTT (Push-to-Talk) Button:** Located on the left side, press and hold to transmit, release to receive.
- **VFO/MR Button:** Switches between Frequency Mode (VFO) and Channel Mode (MR).
- **A/B Button:** Selects the upper (A) or lower (B) display frequency for operation.
- **Keypad:** Used for direct frequency input, menu navigation, and function activation.
- **MENU Button (Green):** Accesses the radio's settings menu.
- **EXIT Button (Red):** Exits menus or cancels operations.



Figure 4: 1.77" Large Color Display

4.2 Multi-Band Operation

The BAOFENG 5RM supports a wide range of frequencies for both reception (RX) and transmission (TX):

- **FM:** 65-108MHz (RX)
- **AM Aircraft Band:** 108-136MHz (RX)
- **VHF:** 136-174MHz (RX/TX)
- **1.25M:** 220-260MHz (RX/TX)
- **UHF:** 400-480MHz (RX/TX)
- **UHF Extended:** 480-520MHz (RX)

- **Police Band:** 350-390MHz (RX)

To switch between bands, use the A/B button to select the desired display, then enter the frequency directly or use the VFO/MR button to navigate channels.

Video 2: Demonstration of BAOFENG 5RM's multi-band capabilities and 10W high power output.

4.3 NOAA Weather Receiver

The radio includes pre-programmed NOAA weather channels to keep you informed of severe weather conditions. To activate the NOAA Weather function, press and hold the '0' key on the keypad.



Figure 5: Activating NOAA Weather

4.4 One-Key Frequency Match

The one-touch search and copy function allows for quick frequency matching with other radios. Press and hold the 'green scan' key to activate this feature. Press '#' to switch the band during the matching process.



Figure 6: One-Key Frequency Match Feature

4.5 Programming

The BAOFENG 5RM supports programming via CHIRP software and phone applications. This allows for easy management of memory channels, frequencies, and other settings.

- **CHIRP Programming:** Connect the radio to a computer using a programming cable (not included) and use CHIRP software to program frequencies and settings. Ensure the radio is turned on before programming.
- **Phone Programming:** Utilize compatible phone applications (e.g., Oudi Master) with a Bluetooth programming adapter (not included) to read, program, and save channel lists. This is convenient for on-the-go adjustments.

Video 3: Programming demonstration for a similar BAOFENG model (K5Plus) using CHIRP software.

Video 4: K5 Plus Function overview, including programming options.

4.6 Power Output

The BAOFENG 5RM offers adjustable power output settings (High, Middle, Low) up to 10 watts. Higher power output increases range but consumes more battery. Select the appropriate power level for your communication needs.

5. CHARGING

The BAOFENG 5RM offers multiple convenient charging methods for its 2500mAh battery:

- **USB-C Direct Charging:** Connect a USB-C cable directly to the radio for charging from a power bank, car charger, or USB wall adapter.
- **Desktop Charger:** Place the radio or just the battery into the included desktop charging cradle.



Figure 7: USB-C and Desktop Charging Options

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BAOFENG 5RM radio:

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid harsh chemicals or abrasive cleaners.
- **Battery Care:** Store batteries in a cool, dry place. Avoid overcharging or fully discharging the battery frequently.
- **Antenna Care:** Handle the antenna carefully to prevent bending or damage. Ensure it is securely

attached during use.

- **Storage:** When not in use for extended periods, remove the battery and store the radio in a dry, dust-free environment.

7. TROUBLESHOOTING

If you encounter issues with your BAOFENG 5RM, consider the following common troubleshooting steps:

- **No Power:** Check if the battery is properly installed and charged. Ensure the power/volume knob is turned on.
- **Cannot Transmit/Receive:** Verify that the antenna is securely attached. Check the frequency and channel settings. Ensure the battery has sufficient charge.
- **Poor Audio Quality:** Adjust the volume. Check the earpiece connection if in use. Ensure you are within range of the other radio.
- **Programming Issues:** Ensure the programming cable is correctly connected and the correct drivers are installed on your computer. Verify the radio is turned on during programming.

For persistent issues, refer to the detailed user manual included in the package or contact customer support.




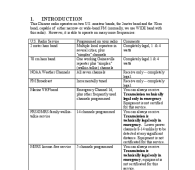


8. SPECIFICATIONS

Feature	Specification
Item Weight	2.48 pounds
Package Dimensions	8.78 x 7.87 x 4.09 inches
Item Model Number	5RM
Batteries	2 Lithium Ion batteries required (included)
Brand	BAOFENG
Color	Black
Number of Channels	999
Special Features	Frequency Copy, Integrated Flashlight, Long Range, NOAA Weather Receiver, USB C Charging
Frequency Range	VHF/UHF (See Section 4.2 for detailed ranges)
Talking Range Maximum	8 Kilometer
Water Resistance Level	Not Water Resistant
Manufacturer	Fujian Baofeng Electronics Co.,Ltd.

9. WARRANTY AND SUPPORT

For any problems or suggestions regarding your BAOFENG 5RM ham radio, please feel free to contact us through the Amazon platform. We are committed to assisting you wholeheartedly.

Related Documents - 5RM

	<p>BAOFENG UV-5RM PLUS (GPS) Multi-Band Amateur Radio User Manual</p> <p>Explore the BAOFENG UV-5RM PLUS (GPS) Multi-Band Amateur Radio with this comprehensive user manual. Learn about its advanced features, including GPS, APRS, DTMF, and multi-band scanning, designed for reliable communication for both professional and recreational users. This guide covers operation, safety, battery information, and FCC compliance.</p>
	<p>BAOFENG UV-5RM PLUS (GPS) Amateur Radio User's Manual</p> <p>Comprehensive user manual for the BAOFENG UV-5RM PLUS (GPS) Multi-Band Amateur Radio, covering features, operation, battery information, and safety warnings for optimal use and communication.</p>
	<p>Baofeng UV-5RH Pro Amateur Radio User Manual</p> <p>Comprehensive user manual for the Baofeng UV-5RH Pro amateur radio, covering setup, operation, features, safety guidelines, and technical specifications for reliable long-distance communication.</p>
	<p>Baofeng UV-5R Homemade User Manual: Features, Operation, and Channels</p> <p>A comprehensive guide to the Baofeng UV-5R two-way radio, covering its introduction, controls, software-defined features, display modes, and pre-programmed channels for ham radio, weather, and general communication.</p>
	<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 UV-5R Quick Guide: Programming and Settings</p> <p>Comprehensive quick guide for the Baofeng UV-5R radio, detailing frequency programming, memory storage, and a full list of customizable settings for ham radio operation. Includes print instructions.</p>