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BAOFENG 5RM

BAOFENG 5RM Ham Radio User Manual

Model: 5RM

1. Introduction

This user manual provides comprehensive instructions for the operation and maintenance of your BAOFENG 5RM Ham Radio. The 5RM is an upgraded version of the popular UV-5R, designed for long-range two-way communication with enhanced features and improved user experience. It supports multiple frequency bands, 999 channels, NOAA weather reception, and convenient Type-C charging.



Figure 1: BAOFENG 5RM Ham Radio and included accessories.

2. What's in the Box

Upon opening the package, please verify that all components listed below are present and in good condition:

- Baofeng 5RM Ham Radio with original antenna x 1
- 6.6 inch 222MHz antenna x 1
- 31.5 inch Type-C cable x 1
- Rechargeable 2500mAh battery x 1
- Earpiece x 1
- Desktop charger x 1
- Belt clip x 1
- Hand strap x 1

- User's manual x 1



Figure 2: Contents of the BAOFENG 5RM package.

3. Product Features

The BAOFENG 5RM Ham Radio offers a range of advanced features for reliable communication:

- Upgraded version of the Baofeng UV-5R radio with multiple built-in frequency bands and 999 channels.
- Larger walkie-talkie size and a large 1.77” color display screen for easier operation.
- Professional long-range 8W radio with FM, AM aircraft band, 144MHz, 222MHz, 350MHz, 430MHz, and NOAA weather channels.
- High gain antenna to enhance signal and distance, ensuring high-quality and clear audio transmission and reception.

- Supports frequency copy function for effortless cloning of frequency configurations from other radios without manual or computer programming.
- 2500mAh high-capacity rechargeable battery with a Type-C connector for versatile charging options (mobile chargers, laptops, cars).
- Supports CHIRP programming for advanced customization.
- Suitable for various outdoor activities and professional environments, including hiking, camping, bicycling, schools, hotels, restaurants, warehouses, and construction sites.
- FCC ID: 2AJGM-5RM.



Figure 3: Key features of the BAOFENG 5RM Ham Radio.



Figure 4: The 1.77-inch large screen of the BAOFENG 5RM for improved readability.

4. Setup Guide

4.1. Battery Installation and Charging

1. Ensure the radio is powered off before installing or removing the battery.
2. Align the 2500mAh Lithium Ion battery with the battery compartment on the back of the radio.
3. Slide the battery into place until it clicks securely.
4. To charge, connect the provided Type-C cable to the radio's Type-C port or place the radio in the desktop charger.
5. The 2500mAh high-capacity rechargeable battery is equipped with a TYPE-C connector for charging on mobile chargers with USB slots, laptops, or cars.



Figure 5: Two convenient charging methods for the BAOFENG 5RM.

4.2. Antenna Attachment

Screw the desired antenna (original or 6.6 inch 222MHz antenna) clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.



Figure 6: Attaching the 222MHz 6.6 inch antenna.

5. Operating Instructions

5.1. Power On/Off and Volume Control

To power on the radio, rotate the top knob clockwise. Continue rotating to adjust the volume. Rotate counter-clockwise until a click is heard to power off.

5.2. Frequency Bands and Channel Selection

The BAOFENG 5RM supports multiple frequency bands including FM, AM aircraft band, 144MHz, 222MHz, 350MHz, and 430MHz. It features 999 memory channels.

- Use the **VFO/MR** button to switch between Frequency Mode (VFO) and Channel Mode (MR).
- In VFO mode, use the keypad to directly input frequencies or the up/down arrow buttons to scan.
- In MR mode, use the up/down arrow buttons to navigate through saved channels.
- Press the **A/B** button to switch between the upper and lower frequency displays.



Figure 7: Multi-band support of the BAOFENG 5RM.

5.3. Frequency Copy Function

The 5RM amateur radio supports a convenient frequency copy function. You can effortlessly clone the frequency configurations of other radios without manual or computer programming.

- Press and hold the "green scan" key to activate the one-touch frequency matching function.
- Press "#" to switch the band during the frequency matching process.



Figure 8: One-key frequency matching in action.

5.4. NOAA Weather Receiver

The radio includes a NOAA Weather Receiver to keep you informed about weather conditions.

- Press and hold the "0" key to activate NOAA Weather.



Figure 9: Accessing NOAA Weather alerts.

5.5. CHIRP Programming

The 5RM two-way radio supports CHIRP programming. For detailed instructions on using CHIRP software, please refer to the official CHIRP documentation and community resources.

5.6. Integrated Flashlight

The radio features an integrated flashlight for convenience in low-light conditions. To activate the flashlight, press the dedicated flashlight button on the side of the radio.

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Video 1: Overview of the BAOFENG 5RM Ham Radio, demonstrating its physical features and display. This video highlights the radio's design, button layout, antenna connection, and the clarity of its screen, including the integrated flashlight function.

6. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid 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.
- **Antenna Care:** Ensure the antenna is securely attached but do not overtighten. Avoid bending or stressing the antenna.
- **Storage:** When storing the radio for a long time, remove the battery.

7. Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is discharged.	Ensure battery is properly seated. Charge the battery fully.
Poor reception or transmission.	Antenna not properly connected; out of range; interference.	Check antenna connection. Move closer to other radios or repeaters. Avoid sources of interference.
Display is blank or unresponsive.	Software glitch; low battery.	Try restarting the radio. Ensure battery is charged. If problem persists, contact support.
Cannot change frequency/channel.	Keypad lock activated; incorrect mode.	Check if keypad lock is active (refer to radio's specific key combination for lock/unlock). Ensure you are in the correct VFO or MR mode.

8. Specifications

Feature	Detail
Model Number	5RM
Brand	BAOFENG
Item Weight	1.41 pounds
Package Dimensions	8.03 x 4.65 x 4.33 inches
Batteries	1 Lithium Ion battery required (included), 2500mAh
Color	Black
Number of Channels	999
Frequency Range	VHF/UHF (includes FM, AM aircraft band, 144MHz, 222MHz, 350MHz, 430MHz)
Talking Range Maximum	8 Kilometer
Tuner Technology	AM/FM
Voltage	3.6 Volts
Water Resistance Level	Not Water Resistant
FCC ID	2AJGM-5RM

9. Warranty and Support

If you have any questions or suggestions about the walkie-talkie, please feel free to contact us through the Amazon messages. The manufacturer, Fujian Baofeng Electronics Co.,Ltd., stands behind the quality of this product.
For further assistance, you may also visit the official BAOFENG Store on Amazon:BAOFENG Store.

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