BAOFENG 5RX

BAOFENG 5RX Ham Radio User Manual

Model: 5RX

Introduction

This manual provides comprehensive instructions for the operation and maintenance of your BAOFENG 5RX Ham Radio. Please read this manual thoroughly before using the device to ensure proper function and safety.



Image: Two BAOFENG 5RX Ham Radios, along with their complete set of accessories, including rechargeable batteries, original and high-gain antennas, belt clips, hand straps, earpieces, power adapters, and desktop charging cradles.

Package Contents

Verify that all items are present in your package:

- 2 x BAOFENG 5RX Ham Radio units
- 2 x 7.4V 3800mAh Li-ion Batteries
- 2 x Original Antennas
- 2 x High Gain Antennas
- 2 x Belt Clips
- 2 x Hand Straps
- 2 x Earpieces

- 2 x Power Adapters
- 2 x Desktop Chargers
- 1 x English User Manual

Product Overview

Radio Components



Image: Front view of the BAOFENG 5RX radio, highlighting key components such as the antenna, ON/Volume knob, built-in flashlight, LCD display, VFO/MR button for mode selection, LED indicator, speaker/microphone (SP&MIC), A/B button for frequency switching, the numeric keypad, and the BAND key.



Image: Side view of the BAOFENG 5RX radio, illustrating the location of the SK-side key (CALL), the Push-To-Talk (PTT) key, the accessory jack for external audio devices, another SK-side key (MONI), and the detachable battery pack.

Setup

Battery Installation and Charging

1. Ensure the radio is powered off.
2. Align the battery pack with the grooves on the back of the radio.

3. Slide the battery pack upwards until it clicks securely into place.
4. To charge, place the radio with the installed battery into the desktop charger. Ensure the charging contacts align.
5. Connect the power adapter to the desktop charger and then to a standard electrical outlet. The charging indicator light will show the charging status.



Image: The BAOFENG 5RX radio positioned in its charging cradle, connected to the power adapter. This setup facilitates convenient battery charging. Adjacent smaller images illustrate common applications for the radio, including use by truck drivers, hikers, individuals driving vehicles, and fishermen, demonstrating its versatility.

Antenna Attachment

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

Belt Clip and Hand Strap

Attach the belt clip to the back of the radio using the provided screws. Secure the hand strap through the designated loop on the radio for added security during transport.

Operating Instructions

Power On/Off and Volume

Rotate the ON/Volume knob clockwise to power on the radio and adjust the volume. Rotate counter-clockwise to decrease volume and power off.

Frequency and Channel Mode

Press the **VFO/MR** button to switch between Frequency (VFO) mode and Channel (MR) mode. In VFO mode, you can manually input frequencies. In MR mode, you can select pre-programmed channels.

Transmitting and Receiving

- To transmit, press and hold the **PTT** (Push-To-Talk) button on the side of the radio. Speak clearly into the microphone.
- Release the **PTT** button to receive.
- Ensure you are on an appropriate frequency or channel before transmitting.

Keypad Functions

The numeric keypad allows for direct frequency input in VFO mode and channel selection in MR mode. Specific function keys include:

- **MENU**: Access the radio's menu settings.
- **EXIT**: Exit menu or current operation.
- **SCAN**: Initiate channel or frequency scanning.
- **VOX**: Activate Voice Operated Transmit.
- **SQL**: Adjust squelch level (9 levels available).
- **BAND**: Switch between VHF and UHF bands.

Special Features

- **SOS Emergency Function**: For emergency signaling. Refer to the full manual for activation details.
- **Dual Watch**: Monitor two different frequencies or channels simultaneously.
- **TOT (Time Out Timer)**: Prevents excessively long transmissions.
- **Power Save**: Conserves battery life.
- **Alarm Function**: Emits an audible alarm.
- **High/Low Power Selection**: Adjust transmit power for different range requirements.

Maintenance

Cleaning

Wipe the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the radio is dry before use or charging.

Battery Care

- Charge batteries fully before first use.
- Avoid overcharging or completely draining the battery.
- Store the radio and batteries in a cool, dry place when not in use.

Storage

When storing the radio for extended periods, remove the battery pack. Store the radio and accessories in a clean, dry environment away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it securely.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or squelch too high.	Verify frequency/channel, ensure antenna is secure, adjust squelch level.
Poor audio quality.	Low battery, antenna issue, or interference.	Charge battery, check antenna connection, move away from sources of interference.

Specifications

Feature	Detail
Model	BAOFENG 5RX
Frequency Range	VHF (144-148MHz), UHF (430-450MHz)
Battery Type	7.4V 3800mAh Li-ion
Memory Channels	Up to 128
Tuner Technology	FM, SSB

Feature	Detail
Connectivity	Analog Radio Frequency (RF), USB (for programming/accessories)
Special Features	Long Range, SOS Emergency, VOX, Scan, Dual Watch, TOT, Power Save, DTMF, Alarm, High/Low Power Selection
Water Resistance	Not Water Resistant

Warranty and Support

For warranty information and technical support, please refer to the official BAOFENG website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.

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