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BAOFENG AR-152

Baofeng AR-152 Ham Radio User Manual

Model: AR-152 | Brand: BAOFENG

1. Introduction

This manual provides detailed instructions for the safe and effective operation of your Baofeng AR-152 Ham Radio. The AR-152 is a 10W high-power tactical two-way radio designed for long-range communication, featuring a 12000 mAh rechargeable battery and up to 128 channels. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. Safety Information

- **Antenna Warning:** Do not touch the antenna when the radio is transmitting. Maintain a safe distance from the antenna during operation to minimize exposure to radio frequency energy.
- **Battery Safety:** Use only the specified 12000 mAh Lithium-Ion battery pack provided with the radio. Do not disassemble, crush, or expose the battery to extreme temperatures or fire. Dispose of batteries according to local regulations.
- **Charging:** Use only the original charger or approved charging accessories. Ensure the charging port is dry before connecting the charger.
- **Hearing Protection:** Avoid prolonged use of the radio at high volume levels to prevent hearing damage.
- **Interference:** Turn off the radio in areas where it may cause interference, such as hospitals, aircraft, or near medical devices.
- **FCC Compliance:** This device complies with FCC regulations, FCC ID: 2AJGM-AR152. Any unauthorized modifications to this device could void the user's authority to operate it.

3. Package Contents

Verify that all items listed below are included in your package:

- 1x AR-152 Radio Host

- 1x 12000mAh Lithium-Ion Battery
- 1x US Wall Charger
- 1x AR-152 Tactical Antenna
- 1x Lanyard
- 1x User Manual



Image showing the Baofeng AR-152 radio host, battery, US charger, antenna, lanyard, and user manual, illustrating the complete package contents.

4. Product Overview

The Baofeng AR-152 features a robust design with intuitive controls and a clear display for efficient communication.

4.1 Radio Components

- **Antenna Connector:** SMA-Female type, compatible with the included AR-152 Tactical Antenna and other SMA-

Female antennas.

- **Volume/Power Knob:** Rotates to adjust volume and turns the radio on/off.
- **LCD Display:** Shows frequency, channel number, battery status, and other operational indicators.
- **Keypad:** For entering frequencies, channel numbers, and accessing menu functions.
- **Side Button (PTT):** Push-to-Talk button for transmitting.
- **Side Button (Programmable):** Can be configured for various functions.
- **Speaker/Microphone Jack:** K-Port (2 Pin) for connecting external headsets, speaker mics, or programming cables.
- **Battery Pack:** Detachable 12000 mAh Li-ion battery.



Close-up view of the Baofeng AR-152 showing the SMA-Female antenna connector, side button, and K-Port (2 Pin) for accessories.

5. Setup

5.1 Battery Installation

1. Ensure the radio is powered off.
2. Align the 12000 mAh Li-ion battery pack with the battery compartment on the back of the radio.
3. Slide the battery pack upwards until it clicks securely into place.
4. To remove, press the release latch (if present) and slide the battery downwards.



Image displaying the 12000mAh large capacity Li-ion battery pack for the Baofeng AR-152 radio.

5.2 Antenna Attachment

1. Screw the AR-152 Tactical Antenna clockwise onto the SMA-Female connector on top of the radio until it is finger-tight. Do not overtighten.

5.3 Initial Charging

Before first use, fully charge the battery. Refer to Section 7 for detailed charging instructions.

6. Operating Instructions

6.1 Power On/Off

Rotate the Volume/Power knob clockwise to turn the radio on. Rotate it counter-clockwise until it clicks to turn the radio off.

6.2 Channel Selection

The AR-152 supports up to 128 channels. Use the keypad to directly enter a channel number or use the up/down arrow keys to navigate through channels.

6.3 Transmitting and Receiving

1. Ensure the radio is on the desired frequency or channel.
2. To transmit, press and hold the Push-to-Talk (PTT) button on the side of the radio. Speak clearly into the microphone.
3. Release the PTT button to stop transmitting and return to receive mode.

6.4 Tri-Power Switchover (10W Output)

The AR-152 offers High, Mid, and Low power output settings, with a maximum of 10W. This allows for optimization of battery life and communication range based on operational needs.



Display showing the selectable 10W Tri-Power output settings: High, Mid, and Low, for the Baofeng AR-152 radio.

Consult the radio's menu system (typically accessed via the 'MENU' button) to adjust the power output setting. Refer to the on-screen indicators for the current power level (H for High, M for Mid, L for Low).

6.5 Programming

The AR-152 can be programmed with special firmware. This typically requires a programming cable and software. For detailed programming instructions and firmware, refer to the technical guidance provided by BAOFENG or authorized distributors.

7. Charging

The Baofeng AR-152 offers flexible charging options for its 12000 mAh battery. The battery pack is equipped with a 2.5mm charging port for direct charging.

7.1 Charging Methods

- **Wall Charger:** The standard method. Connect the provided US wall charger to the 2.5mm port on the battery pack and plug it into a standard wall outlet.
- **Car Charger (Optional):** A compatible car charger (sold separately) can be used by connecting it to the 2.5mm port on the battery pack and your vehicle's 12V power outlet.
- **USB Charger (Optional):** A compatible USB charger (sold separately) can be used by connecting it to the 2.5mm port on the battery pack and a USB power source.



Illustration of the three charging methods for the Baofeng AR-152: Wall Charger (standard), Car Charger, and USB Charger, all utilizing the 2.5mm charging port on the battery.

A full charge typically provides 5-7 days of communication or 5-15 days of standby time, depending on usage.

8. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or solvents.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.
- **Antenna Care:** Ensure the antenna is securely attached but not overtightened. Avoid bending or stressing the antenna.

9. Troubleshooting

- **Radio not powering on:** Check if the battery is properly installed and charged. Ensure the Volume/Power knob is turned clockwise.
- **No reception/transmission:** Verify the antenna is securely attached. Check the selected frequency/channel. Ensure the power output is set appropriately.
- **Poor audio quality:** Adjust the volume. Check for obstructions around the speaker/microphone. Ensure the antenna is not damaged.
- **Battery not charging:** Confirm the charger is correctly connected to the battery's 2.5mm port and the power source. Check if the charger or battery is damaged.

For issues not resolved by these steps, please contact customer support.

10. Specifications

Feature	Specification
Model Number	AR-152
Brand	BAOFENG
Output Power	10W (High/Mid/Low Tri-Power Switchover)
Number of Channels	128
Frequency Range	UHF VHF
Battery Type	12000 mAh Lithium Ion (included)
Battery Life	5-7 days communication, 5-15 days standby
Antenna Type	SMA-Female (25cm/9.84inch Tactical Antenna included)
Charging Methods	Direct 2.5mm port (Wall charger included; Car/USB optional)
FCC ID	2AJGM-AR152
Item Weight	1.74 pounds

Feature	Specification
Product Dimensions	1.57 x 2.6 x 17.92 inches (with antenna)
Color	Sand Color
Water Resistance Level	Not Water Resistant



Image illustrating the physical dimensions of the Baofeng AR-152 radio, including its height with the antenna (455mm/17.92 inches), width (66mm/2.60 inches), and depth (40mm/1.57 inches).

11. Warranty and Support

The Baofeng AR-152 comes with a 2-year warranty. For technical guidance, after-sales service, or assistance with programming your AR-152 two-way portable radio with special firmware, please contact BAOFENG customer support or your authorized dealer. They can provide specific instructions and support for your device.

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