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**BAOFENG AR-152**

# Baofeng AR-152 Military Grade 10 Watt Ham Walkie Talkie User Manual

Model: AR-152 | Brand: BAOFENG

## 1. Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your Baofeng AR-152 Military Grade 10 Watt Ham Walkie Talkie. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

## 2. Product Overview and What's in the Box

The Baofeng AR-152 is a professional ham radio designed for long-range communication, featuring a robust build and versatile charging options. It supports up to 128 channels and offers High/Mid/Low tri-power switchover.

### Package Contents:

- 1 x Green AR-152 Portable Radio
- 1 x 12000mAh Li-ion Battery
- 1 x 48cm Tactical Antenna
- 1 x Green Programming Cable
- 1 x AR-152 Green Bag
- 1 x USB Charger Cable
- 1 x Green AR-152 Speaker Microphone
- 1 x Car Charger
- 1 x Adapter
- 1 x Lanyard
- 1 x User Manual




Image: The complete Baofeng AR-152 package, showing the radio, speaker microphone, various antennas, programming cable, charging accessories, and carrying bag.

## 3. Key Features

- **Long Range Communication:** Professional Ham Radio with up to 128 channels. Output power of 10W with High/Mid/Low Tri-Power Switchover. FCC certificated (FCC ID: 2AJGM-AR152).
- **Enhanced Signal Penetration:** Signal waves are designed to penetrate wood, steel, and concrete, improving range and performance in urban and built environments.
- **Multiple Charging Methods:** The 12000mAh battery features a 2.5mm charging port for direct charging. Compatible with car chargers, USB chargers, and wall chargers for convenience.
- **Extended Battery Life:** Equipped with an original 12000mAh extended battery, supporting 5-7 days of communication and a long standby time of 5-15 days.
- **Dual Tactical Antennas:** Includes a 25cm/9.84inch AR-152 Tactical Antenna and a 48cm/18.89inch SMA-Female

CS Tactical Antenna to enhance signal reception and transmission.

- **Compatible Speaker Mic:** The unique AR-152 speaker mic is compatible with most K-head walkie-talkies, such as UV-5R, BF-888S, and UV-S9 PLUS.




Image: Illustration of the 12000mAh Li-ion battery, highlighting its long daily usage, long standby time, and power-saving mode capabilities.

## 4. Setup

### 4.1 Battery Installation

1. Align the battery pack with the back of the radio.
2. Slide the battery upwards until it clicks into place securely.
3. To remove, press the release latch (if present) and slide the battery downwards.




Image: The Baofeng AR-152 radio with its battery pack detached, illustrating the connection points for proper installation.

## 4.2 Antenna Attachment

1. Screw the desired tactical antenna (25cm or 48cm) onto the SMA-Female connector at the top of the radio.
2. Ensure the antenna is firmly hand-tightened to ensure proper signal transmission and reception.




Image: A hand holding the Baofeng AR-152 radio with a long tactical foldable antenna attached, demonstrating its use for extended communication range.

## 4.3 Charging the Battery

1. Connect the USB charger cable or car charger to the 2.5mm charging port on the battery pack or directly to the radio if applicable.
2. Plug the charger into a suitable power source (USB port, car adapter, or wall outlet).
3. The indicator light on the charging cable or radio will show the charging status:
    - **Red light:** Battery is charging.
    - **Green light:** Battery is fully charged.
4. Charging time may vary depending on the battery level and charger type.




Image: The Baofeng AR-152 radio connected to a USB charging cable, illustrating the indicator light status for charging (red) and fully charged (green).

## 5. Programming Your Radio

The Baofeng AR-152 can be programmed using a dedicated programming cable and software. This allows you to set up channels, frequencies, and other advanced settings.

1. Connect the green programming cable to the radio's programming port (typically located under a rubber flap on the side).
2. Connect the USB end of the cable to your computer.
3. Install the necessary programming software (e.g., CHIRP or Baofeng's proprietary software) on your computer.

4. Follow the software instructions to read from, write to, and configure your radio's channels and settings. The programming cable supports Mac and Windows systems.




Image: The Baofeng AR-152 radio connected to its green programming cable, indicating the process of setting up channels and configurations via computer.

## 6. Operating the Radio

### 6.1 Power On/Off

Rotate the volume knob clockwise to power on the radio. Rotate it counter-clockwise until it clicks to power off.

## 6.2 Channel Selection

Use the up/down arrow buttons or the keypad to select the desired channel or frequency. The display will show the current frequency or channel number.

## 6.3 Transmitting and Receiving

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

## 6.4 Adjusting Power Levels

The AR-152 supports High, Mid, and Low power output settings. This can typically be adjusted through the radio's menu system or programmed via software. Higher power provides greater range but consumes more battery.




Image: The Baofeng AR-152 radio display showing the selectable power output levels: HIGH, MID, and LOW, indicated by 'TXP'.

## 6.5 Using the Speaker Microphone

Connect the AR-152 speaker microphone to the radio's accessory port. This allows for hands-free operation and improved call quality.




Image: The Baofeng AR-152 radio connected to its speaker microphone, highlighting the 2-pin K-type connector dimensions (3.5mm and 2.5mm jacks, 11mm spacing).

## 7. Maintenance

### 7.1 Battery Care

- Avoid fully discharging the battery frequently to prolong its lifespan.
- Store the battery in a cool, dry place when not in use.
- Do not expose the battery to extreme temperatures or direct sunlight.
- Use only the provided or approved charging accessories.

### 7.2 Cleaning

- Wipe the radio and accessories with a soft, damp cloth.
- Do not use harsh chemicals or abrasive cleaners.
- Ensure all ports are dry before charging or connecting accessories.

## 8. Troubleshooting

- **No Power:** Ensure the battery is correctly installed and charged. Check the power knob.
- **Cannot Transmit/Receive:** Verify the antenna is securely attached. Check the selected channel/frequency. Ensure the battery has sufficient charge.
- **Poor Audio Quality:** Check the volume level. Ensure the speaker microphone is properly connected. Verify antenna connection.
- **Programming Issues:** Ensure the programming cable is correctly connected to both the radio and computer. Verify that the correct drivers and software are installed.

## 9. Specifications

| Feature | Specification |
| --- | --- |
| Model Number | AR-152 |
| Brand | BAOFENG |
| Output Power | 10W (High/Mid/Low Tri-Power) |
| Number of Channels | 128 |
| Frequency Range | VHF: 136-174 MHz, UHF: 400-480 MHz |
| Battery Type | 12000mAh Li-ion Battery |
| Voltage | 3.6 Volts |
| Water Resistance Level | Water Repellent |
| Item Weight | 2.75 pounds |
| Package Dimensions | 11.34 x 7.7 x 2.52 inches |
| FCC ID | 2AJGM-AR152 |
| Compatible Devices | AR-152 microphones, tactical antennas with SMA-Female connectors |




Image: Various views of the Baofeng AR-152 radio, illustrating its physical dimensions and confirming its dual-band (VHF: 144-148MHz, UHF: 420-450MHz) and FCC certified status.

## 10. Safety Information

- This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.
- Restricted to occupational use to satisfy FCC RF exposure limits.
- Modification of this device to receive cellular radiotelephone service signals is prohibited under FCC rules and federal law.
- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Always use genuine or approved accessories to prevent damage and ensure safety.

## 11. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact BAOFENG customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

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