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**BAOFENG UV-9G**

# Baofeng UV-9G GMRS Radio Instruction Manual

## 1. Introduction

This manual provides comprehensive instructions for the proper use and maintenance of your Baofeng UV-9G GMRS Two-Way Radio. The UV-9G is a robust, IP67 waterproof GMRS radio designed for reliable communication in various environments. Please read this manual thoroughly before operating the device to ensure optimal performance and safety.

## 2. Product Overview

### 2.1. Package Contents

Upon opening your Baofeng UV-9G package, you should find the following items:

- Baofeng UV-9G GMRS Radio Unit (2 units for 2-pack)
- RA-MD2 Antennas (2 units for 2-pack)
- Rechargeable Lithium-Ion Battery (2 units for 2-pack)
- Desktop Charger Base with AC Adapter (2 sets for 2-pack)
- Belt Clip (2 units for 2-pack)
- Hand Strap (2 units for 2-pack)
- Programming Cable (1 unit)
- Earpieces (2 units for 2-pack)




Image: All components included with the Baofeng UV-9G GMRS Radio, including two radio units, antennas, batteries, charging bases, belt clips, hand straps, a programming cable, and earpieces.

## 2.2. Key Features

- **GMRS Operation:** Pre-programmed with 30 GMRS channels and 11 NOAA weather channels.
- **IP67 Waterproof Rating:** Designed to withstand submersion in 1 meter of water for up to 30 minutes.
- **Repeater Capable:** Supports GMRS repeater frequencies for extended range.
- **NOAA Weather Alert:** Provides instant weather reports and alerts.
- **Programming Support:** Compatible with programming software like CHIRP via the included programming cable.
- **High-Gain Antennas:** Includes RA-MD2 antennas for enhanced communication range.
- **VOX Function:** Hands-free voice-activated transmission.




Image: The Baofeng UV-9G GMRS Radio partially submerged in water, illustrating its IP67 waterproof capability.

## 3. Setup

### 3.1. Battery Installation

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.

### 3.2. Antenna Attachment

1. Locate the antenna connector on the top of the radio.
2. Screw the RA-MD2 antenna clockwise onto the connector until it is finger-tight. Do not overtighten.




Image: A user holding the Baofeng UV-9G GMRS Radio equipped with a 15.5-inch high-gain antenna, demonstrating its extended range capability.

## 3.3. Charging the Battery

1. Insert the AC adapter into a standard wall outlet and connect the other end to the desktop charger base.
2. Place the radio (with battery installed) into the charging slot of the desktop charger.
3. The charging indicator light will typically show red during charging and turn green when fully charged.
4. Remove the radio once charging is complete to prevent overcharging.

## 3.4. Programming the Radio

The Baofeng UV-9G comes pre-programmed with GMRS channels. For advanced customization, such as setting CTCSS/DCS tones or additional repeater frequencies, you can use the included programming cable and compatible software like CHIRP.

1. Connect the programming cable to the radio's programming port (usually located under a rubber flap on the side).
2. Connect the other end of the cable to your computer's USB port.
3. Install the necessary drivers for the programming cable and the CHIRP software (or other compatible

programming software).

4. Follow the software's instructions to read from and write to the radio's memory.

## 4. Operating Instructions

### 4.1. Power On/Off and Volume

To power on the radio, rotate the top-mounted knob clockwise. Continue rotating to increase the volume. Rotate counter-clockwise to decrease volume and power off the radio.

### 4.2. Channel Selection

The UV-9G features pre-programmed GMRS channels (1-30) and additional DIY repeater channels (31-54). Use the UP/DOWN arrow keys on the keypad to navigate through channels. The display will show the current channel number and frequency.

### 4.3. Transmitting and Receiving

1. To transmit, press and hold the Push-To-Talk (PTT) button on the side of the radio. Speak clearly into the microphone.
2. Release the PTT button to receive.
3. Ensure you are on the same channel and using compatible CTCSS/DCS tones (if enabled) as the other party.

### 4.4. NOAA Weather Scanning

The radio includes 11 NOAA weather channels with an alert function to keep you informed of severe weather conditions.




Image: The Baofeng UV-9G GMRS Radio displaying NOAA channel information, set against a dramatic, volcanic landscape, highlighting its weather scanning capabilities.

To access NOAA channels and activate alerts, refer to the specific menu options in your radio's interface. If experiencing difficulty receiving NOAA frequencies, try reducing the squelch level to 0 or 1.

## 4.5. VOX Function (Voice Operated Exchange)

The VOX function allows for hands-free transmission. When activated, the radio will automatically transmit when it detects your voice.

1. Access the radio's menu and locate the VOX setting.
2. Adjust the VOX sensitivity level as needed. A higher sensitivity means the radio will transmit with softer voice input.
3. Deactivate VOX when not required to prevent unintended transmissions.

## 4.6. SOS Function

The UV-9G includes an SOS function that can activate an alarm or transmit a distress signal. Consult your radio's menu for specific activation methods and settings.




Image: Two Baofeng UV-9G GMRS Radios with their built-in flashlights illuminated, demonstrating the SOS function.

## 5. Maintenance

### 5.1. Cleaning

Wipe the radio's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all port covers are securely closed to maintain IP67 water resistance.

### 5.2. Battery Care

- Avoid fully discharging the battery frequently.
- Store the battery in a cool, dry place when not in use.
- If storing for extended periods, charge the battery to approximately 50% capacity.

### 5.3. Storage

Store the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures. Remove the battery if the radio will not be used for an extended period.

## 6. Troubleshooting

- **No Power:** Check if the battery is properly installed and charged. Ensure the power/volume knob is rotated clockwise.
- **Cannot Transmit/Receive:** Verify that the antenna is securely attached. Ensure you are on the correct channel and that the squelch level is not set too high. Check if CTCSS/DCS tones are correctly configured if in use.
- **Poor Audio Quality:** Ensure the antenna is properly connected. Move away from potential sources of electromagnetic interference.
- **Programming Issues:** Confirm that the programming cable drivers are correctly installed on your computer. Ensure the radio is powered on and connected properly to the cable.

## 7. Specifications

| Feature | Specification |
|---|---|
| Model Number | UV-9G |
| Brand | BAOFENG |
| Frequency Range | GMRS 462.5500 ~ 467.7250 MHz (Rx & Tx) |
| Number of Channels | 128 |
| Water Resistance Level | IP67 Waterproof |
| Talking Range Maximum | 5 Miles (with obstacles) |
| Battery Type | Lithium Ion |
| Battery Voltage | 7.4 Volts (DC) |
| Product Dimensions | 8.74 x 7.99 x 4.06 inches |
| Item Weight | 1.94 pounds |
| Color | Black |

## 8. Warranty and Support

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


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