BAOFENG GM-15 Pro

BAOFENG GM-15 Pro GMRS Radio User Manual

Model: **GM-15 Pro** | Brand: **BAOFENG**

1. Introduction

Thank you for choosing the BAOFENG GM-15 Pro GMRS Radio. This high-performance two-way radio is designed for reliable long-range communication, featuring advanced capabilities such as GMRS repeater support, NOAA weather alerts, and versatile charging options. This manual provides essential information for the proper setup, operation, and maintenance of your radio to ensure optimal performance and longevity.

2. Package Contents

Please inspect the package contents carefully. If any items are missing or damaged, contact your retailer immediately.

- BAOFENG GM-15 Pro GMRS Radio Unit (2x)
- Antenna (2x)
- 1500mAh Li-ion Battery (2x)
- USB-C Charging Cable (2x)
- US Wall Charger (2x)
- Earpiece (2x)
- Belt Clip (2x)
- User Manual (This document)



Figure 2.1: Included components with the BAOFENG GM-15 Pro GMRS Radio package.

3. Product Overview

The GM-15 Pro is a versatile GMRS radio equipped with numerous features for enhanced communication and safety.

Key Features:

- **250 Memory Channels:** Extensive channel capacity for various communication needs.
- **30 Default GMRS Channels:** Ready for immediate use with standard GMRS frequencies.
- **8 GMRS Repeater Channels:** Dedicated channels for extended range via GMRS repeaters.
- **154 Privacy Codes (CTCSS/DCS):** Reduce interference and enable private group communication.
- **24 Customizable Repeater Channels:** Allows for programming specific repeater settings.
- **NOAA Weather Alerts:** Receive emergency warnings for severe weather events.

- **Dual Charging Methods:** USB-C and traditional wall charger for flexible power options.
- **Long Range Communication:** Optimized for clear communication over significant distances.
- **SOS Alarm & Flashlight:** Integrated safety features for emergencies.
- **VOX (Voice Operated Transmit):** Hands-free operation.
- **UHF/VHF Dual-band Receiver & Scanner:** Allows reception and scanning beyond GMRS channels.



Figure 3.1: Key features of the GM-15 Pro radio.

4. Setup

4.1 Battery Installation

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery upwards until it clicks securely into place.

3. To remove, press the battery release latch (usually at the bottom of the battery) and slide the battery downwards.

4.2 Charging the Battery

The GM-15 Pro supports two charging methods:

- **USB-C Charging:** Connect the provided USB-C cable to the radio's USB-C port and to any standard USB power source (e.g., power bank, PC, car USB port, laptop).
- **Wall Charger:** Connect the provided US wall charger to a power outlet and then to the radio's charging port.

The charging indicator light on the radio will typically show red while charging and turn green when fully charged. A full charge takes approximately 3-4 hours.



Figure 4.1: Flexible charging options for the GM-15 Pro.

4.3 Antenna Attachment

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

5. Operating Instructions

5.1 Power On/Off

To power on the radio, rotate the power/volume knob clockwise. To power off, rotate it counter-clockwise until it clicks.

5.2 Channel Selection

Use the UP/DOWN arrow keys on the keypad to navigate through the 250 memory channels. The radio comes pre-programmed with 30 default GMRS channels (22 simplex and 8 repeater channels).

5.3 GMRS Repeater Operation

The GM-15 Pro is capable of operating on GMRS repeater channels to extend communication range. It includes 8 pre-programmed GMRS repeater channels and 24 customizable repeater channels. To use a repeater, select a designated repeater channel. Ensure your radio's settings (e.g., CTCSS/DCS tones, offset) match the repeater's requirements. Refer to the radio's menu for programming custom repeater channels.



Figure 5.1: GMRS Repeater capability and customization.

5.4 Privacy Codes (CTCSS/DCS)

The radio supports 154 privacy codes (50 CTCSS and 104 DCS codes). These codes filter out unwanted conversations on a channel, allowing you to hear only transmissions from users who are using the same privacy code. To set a privacy code, access the menu and navigate to the CTCSS/DCS settings for the selected channel.

5.5 NOAA Weather Alerts

The GM-15 Pro features 11 NOAA weather channels. To activate NOAA weather alerts, access the radio's menu and select the NOAA function. The radio will scan these channels and alert you to severe weather warnings, providing crucial information for preparedness.



Figure 5.2: NOAA Weather Alert functionality.

5.6 VOX (Voice Operated Transmit)

VOX allows for hands-free transmission. When activated, the radio will automatically transmit when it detects your voice. Adjust the VOX sensitivity level in the menu to prevent accidental transmissions from background noise.

5.7 Flashlight and SOS Alarm

The radio includes a built-in flashlight and an SOS alarm function for emergency situations. Refer to your radio's specific button layout for activating these features (typically a dedicated button or a long press of a function key).

5.8 Scanning

The radio can scan UHF and VHF channels in both Channel (CH) and VFO (Frequency) modes, not limited to GMRS channels. To initiate scanning, press the scan button or access the scan function through the menu. The radio will stop on an active channel.

6. Maintenance

6.1 Cleaning

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

6.2 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Charge the battery regularly, even if the radio is not in use. Store the battery in a cool, dry place when not in use for extended periods.

6.3 Storage

When storing the radio for long periods, remove the battery. Store the radio and accessories in a dry, dust-free environment, away from direct sunlight and extreme temperatures.

7. Troubleshooting

- **Radio does not power on:** Ensure the battery is properly installed and charged.
- **Cannot transmit or receive:** Check if the radio is on the correct channel and frequency. Verify privacy code settings. Ensure the antenna is securely attached.
- **Poor audio quality:** Adjust the volume. Check for obstructions between radios. Ensure both radios are within range.
- **Short communication range:** Ensure you are using the correct power setting (high power for maximum range). Consider using a GMRS repeater if available. Environmental factors (buildings, terrain) can significantly affect range.

8. Specifications

Feature	Specification
Model Number	GM15PRO
Item Weight	2.14 pounds (approx. 0.97 kg)
Product Dimensions	1.4 x 2.2 x 10.6 inches (approx. 3.56 x 5.59 x 26.92 cm)
Display Type	LCD
Number of Channels	250
Frequency Range	GMRS
Talking Range Maximum	5 Miles (dependent on environment)
Voltage	7.4 Volts
Water Resistance Level	Not Water Resistant
FCC ID	2AJGM-GM15PRO



Figure 8.1: Product label with model and FCC ID.

9. Warranty and Support

Please note that the product specifications indicate **no explicit warranty**. For any product inquiries, technical support, or service needs, please contact the manufacturer, BAOFENG, or your authorized retailer directly. Retain your purchase receipt for any potential service requests.

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