

Retevis RB48 Plus

Retevis RB48 Plus GMRS Two-Way Radio Instruction Manual

Model: RB48 Plus

1. INTRODUCTION

The Retevis RB48 Plus is a heavy-duty GMRS two-way radio designed for reliable communication in demanding environments. Featuring IP67 waterproof and dustproof ratings, a robust build, and essential functions like NOAA weather alerts and emergency alarms, this radio ensures you stay connected and informed during outdoor adventures, off-roading, hunting, or professional use.

2. WHAT'S IN THE BOX

- RB48 Plus two-way radio x2
- 2000mAh (Li-ion) battery x2
- Charging base x2
- Type-C charging cable x2
- Adapter x2

PACKAGE INCLUDES



Image: The package contents include two RB48 Plus radios, two 2000mAh Li-ion batteries, two charging bases, two Type-C charging cables, and two adapters.

3. PRODUCT OVERVIEW & FEATURES

3.1. Long Communication Range

The RB48 Plus offers extended communication range, allowing you to stay connected with your team or family over significant distances, even in remote or mountainous areas. It provides coverage up to 350,000 sq. ft. or 30 floors in optimal conditions.



DUAL PTT DESIGN

Image: A Retevis RB48 Plus radio displaying a channel number, with a graphic illustrating a long call distance of 350,000 sq. ft. across a landscape.

3.2. IP67 Waterproof and Dustproof

Built to withstand harsh conditions, the RB48 Plus is IP67 rated, meaning it is fully protected against dust ingress (0.1µm dustproof) and can be submerged in up to 1 meter of water for 30 minutes without damage. This makes it ideal for use in heavy rain, dusty environments, or near water.



4-DAY STANDBY

Image: A Retevis RB48 Plus radio being used in a rainy outdoor setting, highlighting its IP67 waterproof and dustproof features.

Video: This video demonstrates the IP67 waterproof capabilities of the RB48 Plus radio through a submersion test, showing it remains functional after 30 minutes in 1 meter of water.

3.3. Heavy Duty and Durable Construction

Constructed from PC and TPE materials, the RB48 Plus is designed to be shock-resistant and fall-proof, capable of withstanding drops from up to 2 meters. Its robust build ensures durability in challenging work or outdoor

environments.



Image: A Retevis RB48 Plus radio on a rugged outdoor surface, emphasizing its heavy-duty, shock-resistant, and fall-resistant design.

Video: This video showcases the durability of the RB48 Plus radio through various tests, including vibration, shock, and crush resistance, demonstrating its ability to withstand harsh conditions.

3.4. Extended Battery Life and USB-C Charging

Equipped with a 2000mAh Li-ion battery, the RB48 Plus provides up to 18 hours of continuous use and an impressive 100 hours of standby time. It supports convenient USB-C charging, allowing for flexible power options.



Image: A Retevis RB48 Plus radio highlighting its built-in 2000mAh battery, with indicators for 5 hours charging time and 18 hours work time.

3.5. NOAA Weather Channels

Stay informed about changing weather conditions with access to 11 NOAA channels. This feature allows you to

receive real-time weather alerts, helping you adjust plans and ensure safety during outdoor activities.

3.6. Emergency Alarm

In emergency situations, the remote emergency alarm function allows you to send a distress signal to teammates on the same channel, facilitating quick response and assistance.

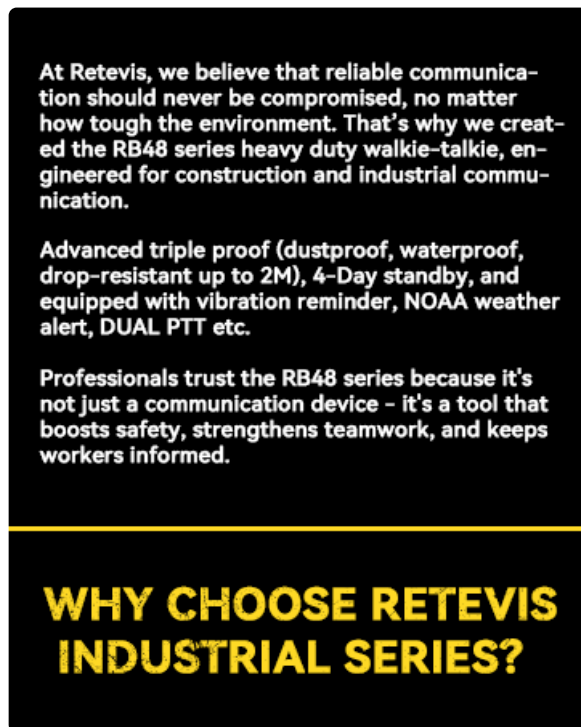


Image: A Retevis RB48 Plus radio displaying an emergency alarm, with a graphic of a flashing red light, indicating local and remote alarm capabilities.

3.7. Other Features

- **Vibration Reminder:** Receive incoming information discreetly with a vibration alert.
- **VOX Hands-free:** Operate the radio hands-free using voice activation.
- **10 Call Tones:** Choose from various call tones for personalized alerts.
- **Key Lock:** Prevent accidental button presses with the key lock function.
- **Dual PTT:** Offers flexible Push-to-Talk options.

4. SETUP

4.1. Attaching the Antenna

Carefully screw the antenna clockwise into the antenna connector on top of the radio until it is firmly seated. Do not overtighten.

4.2. Installing/Removing the Battery

Align the battery with the battery compartment on the back of the radio and slide it into place until it clicks. To remove, press the release latch and slide the battery off.

4.3. Charging the Radio

Insert the radio into the charging base. Connect the Type-C charging cable to the charging base and plug the adapter into a power outlet. The indicator light on the charging base will show the charging status. Alternatively, you can directly plug the Type-C charging cable into the radio's USB-C port for charging.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Volume Adjustment

To power on the radio, rotate the top knob clockwise. To power off, rotate it counter-clockwise. Continue rotating the knob to adjust the volume level.

5.2. Channel Selection

Use the UP/DOWN buttons on the side of the radio to select your desired channel (1-30). The display will show the current channel number.

5.3. Push-to-Talk (PTT)

To transmit, press and hold the PTT button on the side of the radio. Speak clearly into the microphone. Release the PTT button to receive.

5.4. Emergency Alarm Activation

Press the SOS button to activate the emergency alarm. This will send a distress signal to other radios on the same channel.

5.5. NOAA Weather Channel Access

The radio supports 11 NOAA weather channels. Refer to the user manual for specific instructions on how to access and monitor these channels for weather alerts.

5.6. Key Lock

To prevent accidental changes to settings, activate the key lock function. Consult the full user manual for the specific button combination to engage and disengage the key lock.

5.7. Disabling/Enabling CTCSS/DCS Tones

CTCSS/DCS tones are used to filter out unwanted conversations. To disable all CTCSS/DCS tones in one key: Turn off the radio. Press and hold the UP key while switching the knob to turn on the radio. You will hear a