

[Manuals.plus](#) /

> [Rocky Talkie](#) /

> Rocky Talkie Expedition 5 Watt GMRS Radio User Manual

Rocky Talkie 850074531050

Rocky Talkie Expedition 5 Watt GMRS Radio User Manual

Model: 850074531050

INTRODUCTION

The Rocky Talkie Expedition 5 Watt GMRS Radio is designed for reliable communication in challenging outdoor environments. This manual provides essential information for setting up, operating, and maintaining your radio to ensure optimal performance.

WHAT'S IN THE BOX

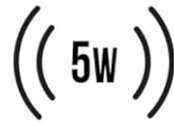
- 2x 5 Watt Radios
- 2x Steel Gator Clip
- 2x Metal-reinforced back-up Leash
- 2x Lithium-ion batteries (replaceable)
- 2x USB-C Charging Cables
- 2x 7.5cm antenna (pre-installed)
- 2x 17cm antenna option



Image: Two Rocky Talkie Expedition radios, two short antennas, two long antennas, two USB-C charging cables, two steel gator clips, and two metal-reinforced backup leashes laid out on a white background.

KEY FEATURES

- **Long Range GMRS Radio:** Powerful 5 Watt output for maximum handheld GMRS range. Typical range of 2 to 8 miles in backcountry terrain, with over 35 miles line-of-sight. Supports 8 repeater channels.
- **5 Day Battery Life:** Specialized rechargeable 1800 mAh battery designed for extended use, even in frigid conditions.
- **NOAA Weather Alerts:** Access to 11 weather channels and NOAA alerts, plus dual-channel monitoring.
- **IP67 Waterproof:** Submersible up to 1 meter, designed to shed water quickly.
- **Durable Design:** Shatterproof screen and thermoplastic covering for rugged use.
- **Ease of Use:** Simple buttons, 360° steel gator clip, and metal-reinforced backup leash for secure attachment.



Range

Max GMRS range with 5 watts of power



Durability

Rugged design and waterproof to 1 meter



Ease of Use

Simple buttons and 360° steel gator clip



Battery Life

4-6 days on a charge and cold resistant (-20F)

Image: A Rocky Talkie Expedition radio with text overlays indicating its 5W range, IP67 durability, simple buttons and gator clip for ease of use, and 4-6 day battery life.

SETUP

- Charge the Battery:** Connect the USB-C charging cable to the radio and a power source. The indicator light will turn green when fully charged.
- Attach Antenna:** The 7.5cm antenna is pre-installed. For extended range, you can swap it with the included 17cm antenna by screwing it onto the SMA connector.
- Attach Clip/Leash:** Secure the steel gator clip or carabiner attachment to your gear. Use the metal-reinforced backup leash for added security in extreme terrain.



Image: A hand holding a Rocky Talkie Expedition radio, demonstrating its compact and ergonomic design.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Press and hold the red power button on top of the radio.
2. **Channel Selection:** Use the channel selector buttons (up/down arrows) to choose from the 22 available channels.
3. **Push-to-Talk (PTT):** Press and hold the large red PTT button on the side to transmit your voice. Release to listen.
4. **Volume Control:** Use the volume up/down buttons on the side to adjust the audio level.
5. **Dual Channel Watch:** Activate this feature to monitor two channels simultaneously.
6. **NOAA Weather Alerts:** Access 11 weather channels and receive NOAA alerts for critical weather information.

7. **Channel Lock/Scan:** Use the dedicated buttons on top to lock the current channel or scan for active channels.



Image: A person holding a Rocky Talkie Expedition radio while standing in a river, with water dripping from the device, showcasing its IP67 waterproof rating.

GMRS FEATURES & LICENSING

The Rocky Talkie Expedition is a GMRS (General Mobile Radio Service) radio, offering enhanced capabilities over standard FRS (Family Radio Service) devices:

- **Higher Power Output:** Transmits at 5 Watts, providing significantly longer range compared to 2 Watt FRS radios.
- **Removable Antenna:** Allows for swapping between the compact 7.5cm antenna and the longer 17cm antenna for optimized range, or even connecting to vehicle-mounted antennas.
- **Repeater Capability:** Can access 8 repeater channels to relay and extend transmission range, especially useful in mountainous or obstructed terrain. GMRS repeaters can transmit up to 50 Watts.

FCC Licensing: Operation of GMRS radios requires a license from the FCC. This is a simple application process (approximately \$35) and does not require a test. An FCC license allows you to legally operate GMRS radios at their full power and utilize repeater channels.

Your browser does not support the video tag.

Video: An official product video introducing the Rocky Talkie 5 Watt GMRS Radio, highlighting its features and use in various outdoor activities.

RANGE CONSIDERATIONS

The effective range of your radio depends on two primary factors: **transmission power** and **terrain**.

- **Line-of-Sight:** In open areas with no obstructions, both FRS (2W) and GMRS (5W) radios can achieve significant range (GMRS over 35 miles).
- **Minor Obstructions:** Radio waves can pass through minor obstructions like trees and light foliage with minimal signal loss. GMRS radios will generally perform better due to higher power.
- **Major Obstructions:** Large obstacles like hills, mountains, and dense urban environments can severely block or scatter radio waves, significantly reducing range for both FRS and GMRS radios. In such cases, gaining elevation or utilizing repeaters (for GMRS) can improve communication.

Your browser does not support the video tag.

Video: An official product video explaining the differences in range between GMRS and FRS radios and how terrain affects signal strength.

MAINTENANCE

- **Cleaning:** Wipe the radio with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Recharge the battery regularly. Avoid fully discharging the battery for extended periods. Replace the lithium-ion battery if its performance degrades.
- **Storage:** Store the radio in a cool, dry place when not in use.
- **Waterproofing:** Ensure the USB-C port cover and headset input cover are securely closed to maintain IP67 waterproofing.

TROUBLESHOOTING

- **No Power:** Ensure the battery is charged. Press and hold the power button for a few seconds.
- **Poor Audio Quality/No Signal:**
 - Check that both radios are on the same channel and privacy code (if used).
 - Ensure antennas are securely attached.

- Move to a location with fewer obstructions (e.g., higher ground).
- For GMRS, try using the longer 17cm antenna or connecting to a repeater.
- **Buttons Unresponsive:** Check if the channel lock feature is activated.

SPECIFICATIONS

Brand	Rocky Talkie
Model Number	850074531050
Power Output	5 Watts (GMRS)
Water Resistance	IP67 Waterproof (up to 1 meter submersion)
Battery Life	5 days (average)
Battery Type	1800 mAh Lithium-ion (replaceable)
Charging	USB-C
Number of Channels	22 (GMRS)
Frequency Range	400-470 MHz
Talking Range Maximum	35 Miles (line-of-sight)
Included Antennas	7.5cm (pre-installed) + 17cm option

WARRANTY & SUPPORT

Rocky Talkie warrants that for a period of two (2) years from the date of purchase, the product will be free from defects in material and workmanship. Should a defect occur during the two (2) year warranty period, Rocky Talkie will repair or replace the defective product or component part at its option, free of charge. Any replacement products provided are under warranty only for the remainder of the original warranty period.

For support, please visit the official Rocky Talkie website or contact their customer service.