

Greadio GR-002G

Greadio GR-002G Emergency AM/FM NOAA Solar Hand Crank Radio User Manual

Model: GR-002G

INTRODUCTION

Thank you for purchasing the Greadio GR-002G Emergency AM/FM NOAA Solar Hand Crank Radio. This versatile device is designed to provide essential communication and power in various situations, including emergencies, outdoor activities, and daily use. It features multiple power sources, a powerful flashlight, a reading lamp, and a 2000mAh power bank for charging external devices. Please read this manual thoroughly to understand its functions and ensure safe and optimal operation.

PRODUCT FEATURES

- **Wide Band Reception:** Receives AM/FM/7 NOAA weather channels for updated information during severe weather events like tornadoes, floods, or storms, keeping you informed and entertained.
- **Durable and Versatile:** Ideal as a bedside radio and an essential tool for emergency preparedness, travel, camping, backpacking, and other outdoor activities.
- **Integrated Lighting:** Features a bright 1W flashlight and a reading lamp for illuminating dark spaces during emergencies or power outages.
- **2000mAh Power Bank:** The USB charging port allows you to charge mobile phones or other USB devices, ensuring communication capability during critical situations.
- **Multiple Charging Options:** Built-in rechargeable Li-ion battery can be charged via Micro USB cable, 3 AAA batteries (not included), hand crank, and a 180-degree adjustable solar panel. Provides power even without installed batteries.

PACKAGE CONTENTS

- Greadio GR-002G Emergency Radio
- Micro USB Charging Cable
- User Manual

SAFETY INSTRUCTIONS

Please read and follow these safety instructions carefully to prevent damage to the device or injury to yourself.

- Do not expose the device to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- Avoid dropping or subjecting the radio to strong impacts.
- Do not disassemble or attempt to repair the device yourself. Contact qualified service personnel.
- Keep the device away from water and other liquids.
- When using AAA batteries, ensure correct polarity and do not mix old and new batteries or different types of batteries.
- Dispose of batteries according to local regulations.
- The hand crank should be turned at a steady, moderate pace. Excessive force can damage the internal mechanism.

SETUP

1. Initial Charging

Before first use, it is recommended to fully charge the internal Li-ion battery using the Micro USB cable.

1. Connect the Micro USB cable to the radio's Micro USB input port.
2. Connect the other end of the cable to a USB power adapter (not included) or a computer USB port.
3. The charging indicator light will illuminate. Once fully charged, the light may change color or turn off depending on the model.

2. AAA Battery Installation (Optional)

The radio can also be powered by 3 AAA batteries (not included) as an alternative power source.

1. Locate the battery compartment cover on the back of the radio.
2. Open the cover and insert 3 AAA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

3. Antenna Extension

For optimal radio reception, extend the telescopic antenna fully. Adjust its direction for the best signal.

EMERGENCY WIND UP RADIO



Image: Front view of the Greadio GR-002G Emergency Radio, highlighting its compact size, solar panel, flashlight, and control knobs. Dimensions are indicated as 15.7 cm length, 7.4 cm height, and 5.3 cm width. Icons at the bottom represent brighter flashlight, 2000 mAh charger, 5 charge options, AM/FM radio, and SOS alarm & flash.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Control

- Turn the **Volume/Power knob** clockwise to power on the radio and increase the volume.
- Turn the **Volume/Power knob** counter-clockwise until it clicks to power off the radio and decrease the volume.

2. Radio Tuning (AM/FM/NOAA)

1. Select the desired band (AM, FM, or WB/NOAA) using the **Band Selector switch**.
2. Rotate the **Tuning knob** to search for radio stations. The tuning indicator light will illuminate when a strong signal is received.
3. For NOAA weather band, select "WB" and tune to one of the 7 NOAA weather channels for local weather alerts.
4. Extend and adjust the telescopic antenna for optimal reception.



Image: The Gradio GR-002G radio with radio waves emanating from it, illustrating its AM/FM reception capability. Frequency ranges like FM 89MHz, FM 95MHz, FM 108MHz, AM 1000KHz, and AM 520KHz are shown around the radio.

3. Flashlight Operation

- Press the **Flashlight button** (usually located on the side or front) once to turn on the flashlight.

- Press the button again to turn off the flashlight.

4. Reading Lamp Operation

- Lift the solar panel to reveal the reading lamp.
- Press the **Reading Lamp button** (often near the solar panel) to turn on the reading lamp.
- Press the button again to turn off the reading lamp.



Image: The Gradio GR-002G radio demonstrating its two LED light sources. The top part shows a person using the flashlight in a dark outdoor setting, while the bottom part shows two children reading under the light of the reading lamp, which is integrated into the solar panel.

5. SOS Alarm Function

- Press and hold the **SOS button** (usually marked "SOS") to activate the loud siren and flashing light.

- Release the button to deactivate the SOS alarm.



Image: The Greadio GR-002G radio with an SOS alarm activated, indicated by a flashing light and "SOS!!" text. A person is shown in a snowy environment, suggesting an emergency situation where the alarm would be useful.

6. Charging External Devices (Power Bank)

The built-in 2000mAh power bank can charge your mobile devices.

1. Connect your device's USB charging cable to the radio's **USB output port**.
2. The radio will begin charging your device.
3. Note that the radio's internal battery capacity is 2000mAh, which may not fully charge all smartphones.

2000MAH POWER BANK

Powering your phone in an emergency



Image: The Gradio GR-002G radio connected via USB to a smartphone, which is displaying a charging icon. The background shows a flooded street with cars, emphasizing the radio's utility as a power bank during emergencies.

7. Charging the Radio

The GR-002G offers multiple ways to recharge its internal battery:

- **Micro USB Charging:** (Refer to "Initial Charging" in Setup section).
- **Hand Crank Charging:**
 - a. Unfold the hand crank handle located on the back of the radio.
 - b. Rotate the hand crank clockwise or counter-clockwise at a steady speed (approximately 130-150 RPM) for 3-5 minutes to generate power.
 - c. A short period of cranking can provide enough power for a few minutes of radio use or a brief

flashlight burst.

- **Solar Charging:**

- a. Place the radio with the solar panel facing direct sunlight.
- b. The solar panel will convert sunlight into electricity to charge the internal battery.
- c. Solar charging is primarily for maintaining battery charge or for slow charging in emergencies, not for rapid full charges.

- **AAA Battery Power:** (Refer to "AAA Battery Installation" in Setup section). When AAA batteries are installed, the radio will draw power from them if the internal Li-ion battery is depleted or switched off.



Image: The Gradio GR-002G radio in a stormy outdoor setting, illustrating its five charging methods: Hand Crank, Solar Charging, AAA Batteries, USB Charging, and Rechargeable battery. Icons represent each method.

MAINTENANCE

- **Cleaning:** Wipe the radio with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, ensure the internal battery is partially charged (around 50%) and recharge it every 3-6 months to prolong battery life.
- **Battery Care:** If using AAA batteries, remove them if the radio will not be used for a long time to prevent leakage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on.	Internal battery is depleted. AAA batteries are depleted or incorrectly installed.	Charge the internal battery via USB, hand crank, or solar. Replace AAA batteries or ensure correct polarity.
Poor radio reception.	Antenna not extended. Weak signal area. Interference.	Extend the telescopic antenna fully and adjust its position. Move to an area with better signal. Avoid sources of electronic interference.
Flashlight/Reading lamp not working.	Internal battery is depleted.	Charge the internal battery.
Cannot charge external devices.	Internal battery is too low. Device's charging cable is faulty.	Ensure the radio's internal battery has sufficient charge. Try a different USB cable or device.
Hand crank is stiff or makes unusual noise.	Excessive force applied. Internal mechanism damage.	Turn the crank gently and steadily. If the problem persists, discontinue use and contact support.

SPECIFICATIONS

- **Brand:** Greadio
- **Model:** GR-002G
- **Radio Bands:** AM, FM, NOAA Weather Band (7 channels)
- **Frequency Range:** FM: 87-108 MHz, AM: 520-1700 KHz, WB: 162.400-162.550 MHz
- **Power Sources:**
 - Built-in Rechargeable Li-ion Battery (2000mAh)
 - 3 x AAA Batteries (not included)
 - Hand Crank Dynamo
 - Solar Panel
 - Micro USB Input (DC 5V)
- **Output:** USB Output (for charging external devices)
- **Speaker Output Power:** 1 Watt
- **Lighting:** 1W Flashlight, LED Reading Lamp

- **Special Features:** Portable, Integrated Flashlight, SOS Alarm, Power Bank Function
- **Product Dimensions:** 10.92 x 7.37 x 1.6 cm (approx. 4.3 x 2.9 x 0.6 inches)
- **Product Weight:** 308.44 g (approx. 0.68 lbs)

WARRANTY AND SUPPORT

Greadio products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Greadio website. Please have your model number (GR-002G) and purchase details ready when contacting support.