SOLARBABY radio-ye

SOLARBABY Emergency Solar Radio User Manual

Model: radio-ye
Brand: SOLARBABY

1. Product Overview

The SOLARBABY Emergency Solar Radio is a multi-functional device engineered for reliability in various situations, from daily use to critical emergencies. It integrates essential features such as a radio, flashlight, reading lamp, and a power bank, all powered by versatile charging options.



Figure 1.1: The SOLARBABY Emergency Solar Radio, demonstrating its ability to charge a mobile phone.

2. Key Features

- **Emergency Radio:** Equipped with AM/FM and NOAA weather bands to keep you informed during critical events.
- **Multiple Power Sources:** Features a 2000mAh rechargeable battery that can be charged via USB, solar panel, or a hand crank, ensuring power availability in any situation.
- **Power Bank Function:** The integrated 2000mAh battery can be used to charge your mobile devices via USB, providing essential power for communication.
- **Illumination:** Includes a bright flashlight for navigating in the dark and an adjustable reading lamp for convenience.
- **SOS Alarm:** A built-in alarm function to signal for help in emergency situations.
- **Compact and Portable:** Designed to be lightweight and small, making it easy to carry for outdoor activities or store in an emergency kit.



Figure 2.1: Visual representation of the radio's survival features, including upgraded version, 3-LED flashlight, AM/FM/WB radio, 2000mAh battery, 3 ways to power, and brighter flashlight.

3. Package Contents

Please check the package for the following items:

- 1 x SOLARBABY Emergency Solar Radio (Model: radio-ye)
- 1 x Micro USB Charging Cable
- 1 x User Manual

4. Setup

4.1 Initial Charging

Before first use, it is recommended to fully charge the radio using one of the following methods:

1. **USB Charging:** Connect the provided Micro USB cable to the radio's USB input port and the other end to a standard USB power adapter (not included) or a computer USB port. The charging indicator light will illuminate.
2. **Solar Charging:** Place the radio with the solar panel facing direct sunlight. This method is ideal for maintaining charge or for emergency trickle charging when other power sources are unavailable.
3. **Hand Crank Charging:** Extend the hand crank handle and rotate it clockwise or counter-clockwise at a steady pace (approximately 130-150 RPM). A few minutes of cranking can provide enough power for short-term use of the radio or flashlight.



Figure 4.1: The three primary methods for charging the emergency radio: Solar Power, USB Charging, and Hand Crank Power.

5. Operation

5.1 Turning On/Off and Volume Control

- Rotate the **VOL** knob clockwise to turn the radio ON and increase the volume.
- Rotate the **VOL** knob counter-clockwise to decrease the volume and turn the radio OFF.

5.2 Radio Tuning (AM/FM/NOAA)

- Extend the telescopic antenna for better reception.
- Use the **BAND** switch to select between AM, FM, or WB (Weather Band/NOAA).
- Rotate the **TUNING** knob to scan for radio stations. The tuning indicator light will illuminate when a strong signal is received.

5.3 Flashlight and Reading Lamp

- Press the flashlight button (usually located on the front or side) to turn the flashlight ON/OFF.
- To use the reading lamp, lift the solar panel to reveal the lamp underneath. The lamp will automatically turn on.

5.4 SOS Alarm

- To activate the SOS alarm, locate and press the dedicated SOS button. The radio will emit a loud siren sound and flash the flashlight.
- Press the SOS button again to deactivate the alarm.

5.5 Power Bank Function

- Connect your mobile device's USB charging cable to the radio's USB output port.
- The radio's internal 2000mAh battery will begin charging your device. This feature is designed for emergency charging to provide essential power.



Figure 5.1: The radio's portable size, comparable to a cell phone, making it easy to carry.



Figure 5.2: The 2000mAh power bank feature, allowing you to charge your cell phone in an emergency.

6. Maintenance

- **Cleaning:** Wipe the radio with a soft, dry 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 battery is partially charged (around 50%) and recharge it every 3-6 months to maintain battery health.
- **Water Resistance:** The radio is designed for outdoor use but is not fully waterproof. Avoid submerging it in water or exposing it to heavy rain.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Radio not turning on.	Battery is depleted.	Charge the radio using USB, solar, or hand crank.
Poor radio reception.	Antenna not extended; weak signal area.	Fully extend the telescopic antenna. Try repositioning the radio.
Flashlight not working.	Battery is low; flashlight button not pressed correctly.	Charge the radio. Ensure the button is pressed firmly.
Phone not charging from radio.	Radio battery is low; incorrect cable; phone not compatible.	Ensure radio has sufficient charge. Use a compatible USB cable. Check phone's charging requirements.

8. Specifications

Feature	Specification
Brand	SOLARBABY
Model	radio-ye
Product Dimensions	10 x 15 x 8 cm
Item Weight	200 g (approx.)
Battery Type	2000mAh Lithium Polymer (rechargeable, included)
Input Voltage	3.7 Volts
Speaker Output Power	3 Watt (max)
Supported Radio Bands	AM, FM, NOAA Weather Band (also listed as DAB/DAB+ & FM/AM in some specifications)
Hardware Interface	USB
Power Source Type	Solar Powered, Hand Crank, USB
Material	Plastic
Additional Features	Portable, Flashlight, Reading Lamp, SOS Alarm

9. Warranty & Support

This product comes with a manufacturer's warranty, typically 12 months from the date of purchase, covering defects in materials and workmanship. For warranty claims, technical support, or any inquiries regarding your SOLARBABY Emergency Solar Radio, please contact the seller or manufacturer directly through your purchase platform.
Please retain your proof of purchase for warranty purposes.

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