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SOLARBABY Rad001

SOLARBABY Emergency Hand Crank AM/FM Weather Radio (Model Rad001) User Manual

Introduction

The SOLARBABY Emergency Hand Crank AM/FM Weather Radio, Model Rad001, is a versatile and essential device designed for emergency preparedness and outdoor activities. This self-powered radio offers multiple charging options, including solar, hand crank, and USB, ensuring it is always ready for use. It features AM/FM radio bands for general broadcasts and a Weather Band (WB) for real-time weather alerts (available in the US and Canada). Additionally, it includes a powerful LED flashlight and a power bank function to charge your mobile devices.

Product Overview

Familiarize yourself with the components of your SOLARBABY emergency radio:



Image: Front view of the SOLARBABY emergency radio, highlighting key components such as the Crank Handle, LED Light Switch, Radio Antenna, Solar Panel, Tune Display, LED Light, Speaker, Tuner Dial, Radio ON/OFF & Volume control, and Radio Band Selector.

- **Crank Handle:** Used for manual power generation.
- **LED Light Switch:** Activates the integrated LED flashlight.
- **Radio Antenna:** Extendable antenna for improved radio signal reception.
- **Solar Panel:** Charges the internal battery using sunlight.
- **Tune Display:** Shows the selected radio frequency.
- **LED Light:** Provides illumination.
- **Speaker:** Outputs audio from the radio.
- **Tuner Dial:** Adjusts the radio frequency.
- **Radio ON/OFF & Volume:** Controls power and audio level.
- **Radio Band Selector:** Switches between AM, FM, and WB bands.

Setup and Charging

Your SOLARBABY radio offers three convenient methods to ensure it is always powered:



Image: An illustration detailing the three charging methods: Micro USB Charging Port, Solar Charging via the top panel, and Manual Hand Cranking using the side handle.

1. USB Charging

Connect the included Micro USB cable to the radio's Micro USB charging port and plug the other end into a standard USB power adapter (not included) or a computer's USB port. The charging indicator light will illuminate.

2. Solar Charging

Place the radio with its solar panel facing direct sunlight. The solar panel will convert sunlight into electrical energy to charge the internal battery. This method is ideal for maintaining charge or for slow charging in outdoor environments.

3. Hand Crank Charging

Unfold the hand crank located on the back of the radio. Rotate the crank clockwise or counter-clockwise at a steady pace (approximately 130-150 rotations per minute) for 3-5 minutes to generate power. This method is crucial when no other power sources are available.

Operating Instructions

Radio Operation

1. Turn the **Radio ON/OFF & Volume** dial clockwise to power on the radio and adjust the volume.
2. Select the desired band (AM, FM, or WB) using the **Radio Band Selector** switch.
3. Extend the **Radio Antenna** for optimal signal reception.
4. Rotate the **Tuner Dial** to find your preferred station. The **Tune Display** will show the frequency.

Flashlight Operation

Press the **LED Light Switch** to turn the integrated LED flashlight on or off. The flashlight provides essential illumination in low-light conditions.

Power Bank Function

The radio can act as a power bank to charge external USB-powered devices, such as smartphones.



Image: The SOLARBABY radio connected to a smartphone via a USB cable, demonstrating its power bank capability to charge mobile devices during emergencies.

1. Open the protective cover on the side of the radio to access the USB output port.
2. Connect your device's charging cable to the radio's USB output port.
3. The radio will begin charging your device. Note that the charging speed may vary depending on the radio's battery level and the device being charged.

Maintenance

- Clean the radio with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Keep the radio dry and away from extreme temperatures.
- Regularly charge the internal battery, even when not in use, to prolong its lifespan.
- Store the radio in a cool, dry place when not in use for extended periods.

Troubleshooting

Problem	Possible Cause	Solution
Radio does not turn on.	Low battery.	Charge the radio using USB, solar, or hand crank methods.
Poor radio reception.	Antenna not extended or weak signal.	Fully extend the telescopic antenna. Try repositioning the radio.
Flashlight not working.	Low battery or switch off.	Ensure the LED Light Switch is on. Charge the radio.
Device not charging via power bank.	Radio battery low or incorrect cable.	Ensure the radio has sufficient charge. Use a compatible USB cable.

Specifications

- **Model Number:** Rad001
- **Brand:** SOLARBABY
- **Power Source:** Solar Powered, Hand Crank, USB
- **Battery:** 1 Lithium metal (included)
- **Supported Radio Bands:** AM, FM, WB (Weather Band)
- **Tuning Technology:** AM+FM
- **Connectivity Technology:** USB
- **Special Feature:** Portable, LED Flashlight, Power Bank
- **LED Light Power:** 1 Watt
- **Display Type:** LED
- **Water Resistance Level:** Waterproof
- **Product Dimensions (L x W x H):** 12.7 x 4.57 x 6.1 cm (5 x 1.8 x 2.4 inches)
- **Item Weight:** 20.3 Grams (0.72 ounces)
- **Material:** Plastic
- **Recommended Uses:** Emergency use, outdoor activities

Warranty and Support

This SOLARBABY product comes with a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support or customer service inquiries, please contact SOLARBABY customer support through their official channels or the retailer where the product was purchased.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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