Raddy SW10

Raddy SW10 Emergency Weather Radio User Manual

Model: SW10

1. INTRODUCTION

This manual provides detailed instructions for the Raddy SW10 Emergency Weather Radio. This multi-functional device is designed to provide essential communication, lighting, and power in emergency situations and for outdoor activities. Please read this manual thoroughly before operating the device to ensure proper use and to maximize its lifespan.

2. PRODUCT FEATURES

- **Massive Power Storage:** Equipped with a 37000mWh rechargeable battery, capable of charging USB-powered devices multiple times.
- **Three Charging Methods:** Recharge via solar panel, hand crank, or USB-C cable.
- **Dual USB Output:** Power bank function allows simultaneous charging of two devices.
- **Radio with NOAA Alert:** Access AM/FM stations and receive critical NOAA weather alerts. Includes a 3.5mm earphone jack for private listening.
- **Multipurpose Lighting:** Features a reading lamp and a flashlight with three distinct modes.
- **Integrated Compass:** A small compass is included on the wrist strap for navigation.
- **SOS Alarm:** Activates a loud siren and flashing light for emergency signaling.

Figure 2.1: The Raddy SW10 Emergency Weather Radio demonstrating its power bank capability by charging a smartphone.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Raddy SW10 Emergency Weather Radio x 1
- Type-C Charging Cable x 1
- User Manual x 1
- Wrist Strap with Compass x 1

4. COMPONENT IDENTIFICATION

Familiarize yourself with the various parts of your Raddy SW10 radio:

1. **Solar Panel:** Located on the top surface, used for solar charging.
2. **Reading Lamp:** Positioned beneath the solar panel, illuminates when the panel is lifted.
3. **Flashlight:** Located on one end of the radio.

4. **SOS Button:** Activates the emergency alarm.

5. **Band Selector:** Switch between AM, FM, and WB (Weather Band).

6. **Weather Band Selector:** Dial to select specific NOAA weather channels (1-7).

7. **Tuning Dial:** Adjusts radio frequency.

8. **Volume Control/Power ON/OFF:** Rotates to adjust volume and turns the radio on/off.

9. **Battery Indicator Lights:** Displays current battery charge level.

10. **USB Output Ports (OUT 1, OUT 2):** For charging external devices.

11. **Type-C Input Port (IN):** For charging the radio via USB-C cable.

12. **3.5mm Earphone Jack:** For private audio listening.

13. **Hand Crank:** Foldable handle on the back for manual power generation.

14. **Telescopic Antenna:** Extends for improved radio reception.

15. **Compass:** Integrated into the wrist strap.

Figure 4.1: Overview of the Raddy SW10's multiple charging interfaces and hand crank mechanism.

5. INITIAL SETUP

Before first use, it is recommended to fully charge the radio's internal battery.

1. **Initial Charge:** Connect the supplied Type-C cable to the radio's "IN" port and to a USB power adapter (not included) or computer. The battery indicator lights will illuminate to show charging progress. Charge until all indicator lights are solid.
2. **Attach Wrist Strap:** Securely attach the wrist strap to the designated loop on the radio.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off and Volume Control

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

6.2. Radio Operation (AM/FM/NOAA)

1. **Select Band:** Use the "BAND" switch to select AM, FM, or WB (Weather Band).
2. **Extend Antenna:** For optimal reception, fully extend the telescopic antenna.
3. **Tune Station:** Rotate the "TUNING" dial to find your desired station. The "TUN" indicator light will illuminate when a strong signal is received.
4. **NOAA Weather Band:** When "WB" is selected, use the "Weather Band" dial to select one of the 7 NOAA channels.
5. **NOAA Alert Function:** To activate the NOAA alert, switch the "BAND" to "ALERT". The radio will remain silent until a weather alert is broadcast, at which point it will automatically sound an alarm and play the alert.

Figure 6.1: The Raddy SW10 radio interface, highlighting AM/FM/NOAA band selection and tuning controls.

6.3. Charging the Radio

The Raddy SW10 offers three methods to recharge its internal battery:

- **USB-C Charging:** Connect the Type-C cable to the "IN" port and a USB power source. This is the fastest charging method.
- **Hand Crank Charging:** Unfold the hand crank on the back of the radio. Rotate the crank clockwise or counter-clockwise at a steady pace (approximately 130-150 RPM) for 3-5 minutes to generate power for short-term use. The red indicator light will flash during cranking.
- **Solar Charging:** Place the radio with the solar panel facing direct sunlight. The solar panel will convert sunlight into electricity to charge the internal battery. This method is ideal for maintaining charge or for slow charging in outdoor environments.

6.4. Flashlight and Reading Lamp

- **Flashlight:** Press the flashlight button located on the top of the radio to cycle through its three modes: High Beam, Dipped Beam, and Dipped & High Beam. Press again to turn off.
- **Reading Lamp:** Lift the solar panel to reveal the reading lamp. It will automatically turn on. Close the solar panel to turn it off.
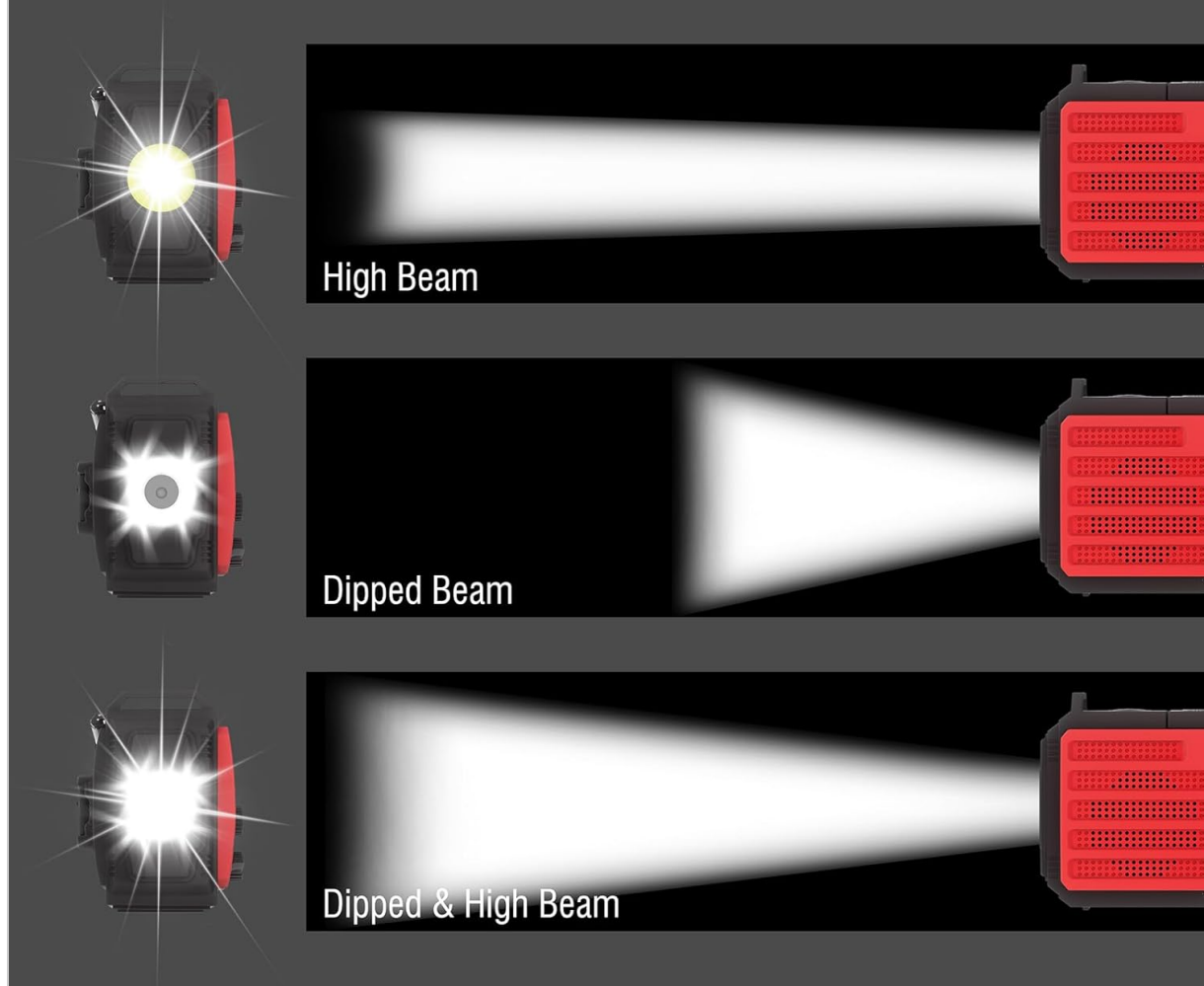
Figure 6.2: Illustration of the three available flashlight modes for various lighting needs.

6.5. SOS Alarm

Press and hold the "SOS" button to activate a loud siren and flashing light, signaling for emergency assistance. Press the "SOS" button again to deactivate the alarm.

6.6. Power Bank Function

The Raddy SW10 can charge external USB devices:

1. Connect your device's USB charging cable to one of the "OUT 1" or "OUT 2" USB ports on the radio.
2. The radio will automatically begin charging your device.
3. The battery indicator lights on the radio will show the remaining power.

Figure 6.3: The Raddy SW10 providing power to two devices via its dual USB output ports.

6.7. Compass Usage

The integrated compass on the wrist strap provides basic directional guidance. Hold the radio level and away from metallic objects for accurate readings. The needle will point North.

Figure 6.4: The Raddy SW10 with its wrist strap and integrated compass, demonstrating portability.

7. MAINTENANCE

- **Cleaning:** Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, fully charge the radio at least once every three months, even if not in use.
- **Water Resistance:** This device is not waterproof. Avoid exposure to heavy rain or submersion in water.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on.	Battery is depleted.	Charge the radio using USB-C, hand crank, or solar power.

Problem	Possible Cause	Solution
Poor radio reception.	Antenna not extended; weak signal area.	Fully extend the telescopic antenna. Try repositioning the radio.
External device not charging.	Radio battery low; incorrect cable; device not compatible.	Ensure radio is sufficiently charged. Use a compatible USB cable. Verify device compatibility.
Hand crank is stiff.	New unit; infrequent use.	Continue cranking; it will loosen with use.

9. SPECIFICATIONS

Feature	Detail
Model Number	SW10
Battery Capacity	37000mWh (Lithium Polymer, included)
Charging Methods	USB-C, Hand Crank, Solar Panel
Radio Bands	AM/FM/WB/NOAA (4-Band)
Flashlight Modes	3 (High Beam, Dipped Beam, Dipped & High Beam)
Power Output	Dual USB Output Ports
Dimensions (L x W x H)	6.89" x 3.9" x 2.99"
Item Weight	1.36 pounds
Special Features	Built-In AM Antenna, Lightweight, Portable, Rechargeable, SOS Alarm, Compass

Figure 9.1: Physical dimensions of the Raddy SW10 radio.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Raddy website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.
Note: Product specifications and features are subject to change without prior notice.