

## FosPower FOSPWB-2397

# FosPower FOSPWB-2397 NOAA Emergency Weather Radio User Manual

Model: FOSPWB-2397

## 1. INTRODUCTION

This manual provides instructions for the operation and maintenance of your FosPower FOSPWB-2397 NOAA Emergency Weather Radio. This device is designed to provide essential communication and power in various situations, including emergencies and outdoor activities. Please read this manual thoroughly before using the product.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- **Multi-Band Radio:** Receives AM, FM, and NOAA weather channels.
- **NOAA Weather Alert:** Automatically activates a siren when a 1050Hz alert tone is detected from NOAA broadcasts.
- **4000mAh Power Bank:** Integrated high-capacity power bank for charging small electronic devices via USB.
- **Multiple Power Sources:** Rechargeable internal battery, solar panel, hand crank, and AAA battery compartment.
- **LED Flashlight:** Built-in bright and energy-efficient LED flashlight.
- **SOS Alarm:** Activates a loud siren and flashing light for emergency signaling.
- **Durable Design:** IPX3 water-resistant construction suitable for outdoor use.

### 2.2 Components

Familiarize yourself with the main components of your radio:

- LCD Display
- Speaker

- Telescopic Antenna
- LED Flashlight
- Hand Crank
- Solar Panel
- USB Output Port
- Micro USB Input Port
- AAA Battery Compartment
- Control Buttons (Power, Band, Volume, Tuning, Alert, SOS)



Figure 1: Front view of the FosPower FOSPWB-2397 Emergency Weather Radio, highlighting the display, speaker, and flashlight.

FOSPOWER

# SOLAR CRANK RADIO FOR EMERGENCY

with AM/FM, Flashlight, 4000mAh Power Bank



Figure 2: Visual representation of the radio's core functionalities including rechargeable power, light, SOS alarm, and weather broadcasts.

## 3. SETUP

### 3.1 Battery Installation (AAA)

For backup power, you can install 3 AAA batteries (not included) into the dedicated compartment. Ensure correct polarity (+/-) when inserting the batteries.



Figure 3: The radio's four power sources, including the AAA battery compartment, hand crank, USB charger port, and solar panel.

### 3.2 Initial Charging

Before first use, fully charge the internal 4000mAh Li-ion battery using the Micro USB cable. Connect the cable to the Micro USB input port on the radio and a USB power source (e.g., wall adapter, computer). The charging indicator lights will show the charging status.

## 4. OPERATING INSTRUCTIONS

### 4.1 Power On/Off

Press and hold the **Power** button to turn the radio on or off.

### 4.2 Radio Operation (AM/FM/NOAA)

1. Extend the telescopic antenna for optimal reception.

2. Press the **BAND** button to cycle through AM, FM, and WB (Weather Band) modes.
3. Use the **Tuning** buttons (left/right arrows) to manually adjust the frequency.
4. Adjust the volume using the **VOL +/-** buttons.

### 4.3 NOAA Weather Alert Function

To activate the NOAA Weather Alert function:

1. Switch the radio to WB (Weather Band) mode.
2. Press the **AL** (Alert) button. The green LED indicator will flash, signifying that the radio is actively listening for the 1050Hz NOAA alert tone.
3. Upon detection of an alert tone, the radio will emit a 45-second siren and then broadcast the warning message.



Figure 4: Steps for the NOAA Automatic Alert Function, from listening for the tone to broadcasting the warning.

Video 1: An informational overview of the FosPower 2397 crank radio, demonstrating its features and functions.

### 4.4 Flashlight Operation

Press the **Flashlight** button (usually marked with a light bulb icon) to turn the LED flashlight on or off.

## 4.5 SOS Alarm Function

In an emergency, press the **SOS** button to activate a loud siren and a flashing light signal to attract attention.



Figure 5: The radio's SOS function, signaling with a siren and flashing light, and its capability to charge a mobile phone.

## 4.6 Power Bank Function (Charging External Devices)

Connect your mobile phone or other small electronic device to the USB output port of the radio using your device's charging cable. The radio's internal 4000mAh battery will provide power to charge your device. This feature is intended for emergency use to preserve the radio's battery life.



Figure 6: The radio's power bank feature in use, charging a smartphone.

## 5. CHARGING THE RADIO

The FosPower FOSPWB-2397 offers multiple ways to recharge its internal battery:

### 5.1 Micro USB Charging

For the fastest and most efficient charging, connect the included Micro USB cable to the radio's Micro USB input port and a standard USB power adapter (not included).

### 5.2 Solar Charging

Place the radio with the solar panel facing direct sunlight. The solar panel will slowly charge the internal battery. This method is ideal for maintaining charge or for trickle charging in outdoor environments.

### 5.3 Hand Crank Charging

Unfold the hand crank handle and rotate it clockwise or counter-clockwise at a steady pace. Continuous cranking will generate power to charge the internal battery. This method is suitable for short bursts of power or when other charging options are unavailable.

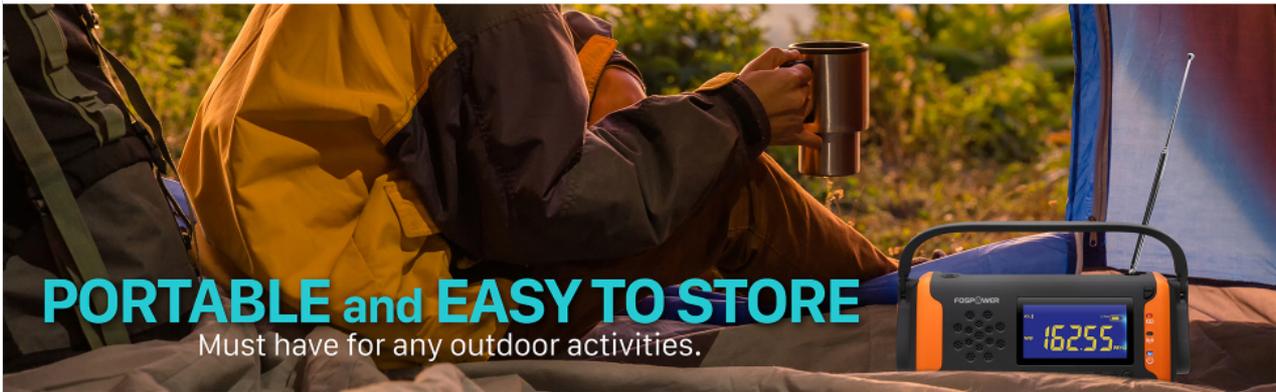


Figure 7: The four versatile power sources for the radio: hand-crank, USB, AAA batteries, and solar panel.

## 6. MAINTENANCE

- Keep the radio clean by wiping it with a soft, dry cloth.
- Avoid exposing the radio to extreme temperatures or direct prolonged sunlight when not in use for solar charging.
- Store the radio in a dry place.
- If using AAA batteries, remove them if the radio will not be used for an extended period to prevent leakage.

## 7. 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 Micro USB, solar, or hand crank. Check and replace AAA batteries if used.
Poor radio reception.	Antenna not extended. Weak signal in the area. Interference.	Fully extend the telescopic antenna. Relocate the radio to an area with better signal. Move away from electronic devices causing interference.
Cannot charge external device.	Radio's internal battery is low. Incorrect cable or connection.	Ensure the radio's internal battery is sufficiently charged. Use a compatible USB cable and ensure it is securely connected.

Problem	Possible Cause	Solution
NOAA Alert not activating.	Radio not in WB mode or Alert function not enabled. No active NOAA alert in the area.	Switch to WB mode and press the AL button. Verify local NOAA broadcast status.

## 8. SPECIFICATIONS

- **Model Number:** FOSPWB-2397
- **Product Dimensions:** 7.76 x 3.54 x 3.15 inches
- **Item Weight:** 1.08 pounds
- **Internal Battery:** 4000mAh Li-ion (replaceable)
- **Backup Batteries:** 3 x AAA batteries (not included)
- **Tuner Technology:** AM, FM, WB (NOAA Weather Band)
- **Connectivity Technology:** Micro USB (input), USB (output)
- **Special Feature:** Portable, LED Flashlight, SOS Alarm, Solar Charging, Hand Crank Charging, Power Bank
- **Water Resistance:** IPX3

## 9. WARRANTY AND SUPPORT

FosPower offers a **Limited Lifetime Warranty** for this product. For customer service and support, please contact our experienced and dedicated USA-based customer service team. Refer to the official FosPower website or your purchase documentation for detailed warranty terms and contact information. For more information, visit the [FosPower Store](#).