

EASY POWER EB-391B

EASY POWER Solar Light System

PORTABLE POWER EMERGENCY FLASHLIGHT RADIO BLUETOOTH SPEAKER USER MANUAL

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your EASY POWER Solar Light System. This versatile device integrates a portable power source, emergency flashlight, FM radio, Bluetooth speaker, and photovoltaic lighting backup system. Please read this manual thoroughly before use and retain it for future reference.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Powerful Sound Quality:** Full-frequency dual-broadcasting unit with increased area and low-frequency radiator for enhanced audio experience.
- **Durable Construction:** High-quality plastic shell designed to resist sand and particles.
- **Extended Playback:** Built-in 6V 4AH lead-acid battery provides up to 24 hours of working time.
- **Solar Charging Capability:** Includes a 3-meter cable for solar panel placement, with an indicator light for charging status. Charging time is typically over 10 hours under strong sunlight.
- **External Lighting:** Configurable with up to 4 external 6V LED light bulbs, each with independent lighting and a 3m wire.
- **Multiple Charging Options:** Supports solar charging, 220V AC charging, and features a 5V USB output for charging external devices.
- **Integrated Functions:** FM/MPEG3 Radio with speaker, USB/TF card support for music playback, and a high-brightness LED flashlight.

2.2 System Components

The EASY POWER Solar Light System includes the main unit, a solar panel, and four 6V LED light bulbs with individual switches and cables.



Figure 1: Overview of the EASY POWER Solar Light System, showing the main unit, solar panel, and three connected LED bulbs.

2.3 Control Panel and Ports

Familiarize yourself with the various controls and connection points on the main unit:

1. **USB Slot:** For USB drive music playback or charging external devices.
2. **Switch (Power/Mode):** To turn the unit on/off and switch between modes (Radio, Bluetooth, USB/TF).
3. **TF SLOT:** For TF (MicroSD) card music playback.
4. **Volume Turn up:** Increases audio volume.
5. **Next song:** Skips to the next track during music playback.
6. **Suspend:** Pauses/plays music playback.
7. **Volume Turn down:** Decreases audio volume.
8. **Last song:** Skips to the previous track during music playback.
9. **Start/mode conversion:** Initiates playback or switches operating modes.
10. **LED Switch:** Activates/deactivates the external LED lights.

11. **Power Switch:** Main power control for the unit.
12. **Electric indicator lamp:** Displays battery charge status.
13. **Solar panel input Or DC Adapter:** Port for connecting the solar panel or AC adapter for charging.
14. **5V USB output:** Dedicated port for charging 5V USB-powered devices.
15. **110-220V AC Charger:** Input for the AC charging cable.
16. **6V LED lamp ports:** Four dedicated ports for connecting the 6V LED light bulbs.



Figure 2: Rear view of the main unit, highlighting the various input/output ports and control switches.

2.4 Integrated Flashlight

The main unit features a built-in high-brightness LED flashlight for immediate illumination needs.



Figure 3: Side view of the main unit, illustrating the integrated LED flashlight.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the internal battery using either the solar panel or the AC adapter.

- **AC Charging:** Connect the provided 220V AC charging cable to the designated port (15) on the unit and plug it into a standard wall outlet. The electric indicator lamp (12) will illuminate to show charging is in progress.
- **Solar Charging:** Connect the solar panel cable to the 'Solar panel input Or DC Adapter' port (13). Place the solar panel in direct sunlight. The electric indicator lamp (12) will light up, indicating charging. Solar charging typically takes over 10 hours for a full charge.

3.2 Connecting LED Lamps

Insert the cables of the 6V LED light bulbs into the '6V LED lamp ports' (16) on the main unit. Each bulb has an independent switch on its cable for individual control.

3.3 Connecting Solar Panel

Connect the solar panel to the 'Solar panel input Or DC Adapter' port (13). Ensure the solar panel is positioned to receive maximum direct sunlight for efficient charging.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Use the 'Power Switch' (11) to turn the main unit on or off.

4.2 Using the LED Lights

After connecting the LED lamps, use the 'LED Switch' (10) on the main unit to activate or deactivate all connected external lights. Individual bulbs can be controlled using their inline switches.

4.3 Operating the Flashlight

The integrated flashlight is typically activated by a dedicated switch, often located near the flashlight itself or integrated with the main power switch. Refer to the specific markings on your unit.

4.4 Radio Function (FM)

Turn on the unit using the 'Power Switch' (11). Press the 'Start/mode conversion' button (9) repeatedly until FM radio mode is selected. Use the 'Last song' (8) and 'Next song' (5) buttons to tune to different stations. Adjust volume with 'Volume Turn up' (4) and 'Volume Turn down' (7).

4.5 Bluetooth Speaker Function

Turn on the unit. Press the 'Start/mode conversion' button (9) until Bluetooth mode is selected. The unit will enter pairing mode. On your mobile device, search for the Bluetooth device (e.g., "EASY POWER" or similar) and pair. Once connected, audio from your device will play through the speaker. Use 'Volume Turn up' (4) and 'Volume Turn down' (7) for volume control.

4.6 USB/TF Card Playback

Insert a USB drive into the 'USB Slot' (1) or a TF (MicroSD) card into the 'TF SLOT' (3) with MP3 audio files. Turn on the unit and select the appropriate mode using 'Start/mode conversion' (9). The unit should automatically begin playing music. Use 'Last song' (8), 'Next song' (5), and 'Suspend' (6) for playback control. Adjust volume with 'Volume Turn up' (4) and 'Volume Turn down' (7).

4.7 Charging External Devices (USB Output)

Connect your 5V USB-powered device (e.g., smartphone) to the '5V USB output' port (14) on the main unit. Ensure the main unit is powered on. The unit will begin charging your device.

5. MAINTENANCE

5.1 Cleaning

Wipe the unit and solar panel with a soft, dry cloth. Do not use abrasive cleaners or immerse the unit in water.

5.2 Battery Care

To prolong battery life, fully charge the unit before long-term storage and recharge it every 3 months if not in use. Avoid completely draining the battery frequently.

5.3 Storage

Store the system in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

6. TROUBLESHOOTING

6.1 Common Issues and Solutions

- **Unit not powering on:**
 - Ensure the 'Power Switch' (11) is in the ON position.
 - Check battery charge level via the 'Electric indicator lamp' (12). Recharge if necessary.
- **No sound from speaker:**
 - Increase volume using 'Volume Turn up' (4).
 - Ensure the correct mode (Radio, Bluetooth, USB/TF) is selected.
 - For Bluetooth, ensure the device is properly paired and connected.
- **LED lights not working:**
 - Ensure the 'LED Switch' (10) is ON.
 - Check individual bulb switches.
 - Verify bulbs are securely connected to the '6V LED lamp ports' (16).
- **Solar charging not working:**
 - Ensure the solar panel is connected to port (13).
 - Place the solar panel in direct, unobstructed sunlight.
 - Check if the 'Electric indicator lamp' (12) illuminates.
- **USB device not charging:**
 - Ensure the USB device is connected to the '5V USB output' port (14).
 - Verify the main unit has sufficient battery charge.

7. SPECIFICATIONS

7.1 Technical Data

Feature	Specification
Model Number	EB-391B
Battery Type	6V 4AH Lead-Acid Battery (built-in)
LED Light Bulbs	4 Pieces, 6V 3W/5W LED (included)
Solar Panel Cable Length	3 meters
AC Charger Input	110-220V
USB Output	5V

Feature	Specification
Connectivity	Wired, Wireless (Bluetooth)
Tuner Technology	FM
Special Features	Built-In Flashlight, Portable, Radio, Bluetooth Speaker, USB/TF Playback
Product Dimensions	13.61 x 5.94 x 18.34 cm
Item Weight	40.01 g

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.



© 2023 EASY POWER. All rights reserved.