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Canon EL-100

Canon Speedlite EL-100 Instruction Manual

Model: EL-100 (3249C002)

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1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Canon Speedlite EL-100. Please read this manual thoroughly before using the product and retain it for future reference.

The Canon Speedlite EL-100 is a compact and versatile external flash unit designed to enhance your photography by providing additional illumination. It features horizontal and upward bounce rotation, a maximum guide number of approximately 85 ft./26m at ISO 100, 24mm wide-angle coverage, and optical wireless flash functionality (both sender and receiver).

2. SETUP

2.1 Unpacking

Verify that all components are present:

- Canon Speedlite EL-100 unit
- Soft Case
- Mini Stand

2.2 Battery Installation

The Speedlite EL-100 requires AA batteries (not included). For optimal performance and faster recycling times, it is recommended to use high-quality rechargeable AA batteries.

1. Locate the battery compartment cover on the side of the Speedlite.
2. Slide the "BATT. OPEN" latch in the direction indicated by the arrow and open the cover.
3. Insert the AA batteries according to the polarity indicators (+/-) inside the compartment.
4. Close the battery compartment cover securely until it clicks into place.



Image: Side view of the Canon Speedlite EL-100, showing the battery compartment with the "BATT. OPEN" label and arrow, indicating where to slide the latch to open it. The compartment is designed for AA batteries.

2.3 Attaching to a Camera

The Speedlite EL-100 attaches to the hot shoe of compatible Canon EOS cameras.

1. Ensure both the camera and the Speedlite are turned off.
2. Remove the protective cap from the camera's hot shoe and the Speedlite's mounting foot.
3. Slide the Speedlite's mounting foot completely into the camera's hot shoe.
4. Rotate the lock lever on the Speedlite's mounting foot clockwise until it is securely tightened.



Image: Front-side view of the Canon Speedlite EL-100, showing its compact design and the hot shoe mounting foot at the bottom.

The flash head is positioned forward.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

To turn the Speedlite EL-100 on, rotate the mode dial to any position other than "OFF". To turn it off, rotate the dial to "OFF".



Image: Rear view of the Canon Speedlite EL-100, displaying the mode dial with settings like ON, OFF, A (Auto), M (Manual), and optical wireless receiver/sender channels (1-4 Ch). A flash button is also visible.

3.2 Flash Modes

The Speedlite EL-100 offers various flash modes for different shooting scenarios:

- **Auto (A):** The Speedlite automatically sets the optimal flash output based on camera metering. This is suitable for general photography.
- **Manual (M):** Allows you to manually set the flash output level. Refer to your camera's manual for specific settings.
- **Optical Wireless (Sender/Receiver):** The EL-100 can function as both a sender and a receiver in an optical wireless flash system.
 - **Sender:** Use this mode to trigger other compatible Speedlites wirelessly.
 - **Receiver:** Use this mode when the EL-100 is being triggered by another Speedlite or a camera with a built-in optical transmitter. Select the appropriate channel (1-4 Ch) to match the sender unit.

3.3 Bounce Flash

The Speedlite EL-100's flash head can be rotated horizontally and tilted upward to allow for bounce flash photography. Bouncing the flash off a ceiling or wall can create softer, more natural-looking illumination by diffusing the light.

- **Upward Tilt:** The flash head can be tilted upwards to various angles (e.g., 45°, 60°, 75°, 90°).
- **Horizontal Rotation:** The flash head can be rotated left and right.



Image: Side view of the Canon Speedlite EL-100 with its flash head tilted upwards, demonstrating its bounce flash capability. Markings for tilt angles are visible on the side of the head.



Image: Front view of the Canon Speedlite EL-100 with its flash head rotated to the side, illustrating its horizontal rotation capability for bounce flash.

4. MAINTENANCE

4.1 Cleaning

- Use a soft, dry cloth to clean the exterior of the Speedlite.
- For stubborn dirt, lightly dampen the cloth with water or a mild lens cleaning solution.
- Do not use organic solvents such as paint thinner or benzene.
- Avoid touching the flash tube directly. If necessary, use a clean, lint-free cloth.

4.2 Storage

- Remove batteries if the Speedlite will not be used for an extended period to prevent leakage.
- Store the Speedlite in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use the provided soft case for protection during storage and transport.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Speedlite does not fire.	Batteries are depleted or incorrectly installed. Speedlite is not securely attached to the camera. Speedlite is turned off. Camera settings are incorrect.	Replace batteries or ensure correct polarity. Re-attach and secure the Speedlite to the hot shoe. Turn the Speedlite on. Check camera flash settings.
Long recycling time between flashes.	Batteries are low. Using non-rechargeable or low-quality batteries.	Replace batteries. Use high-quality rechargeable AA batteries for faster performance.
Flash output is too weak/strong.	Incorrect flash mode or power setting. Subject distance is too far/close.	Adjust flash mode (e.g., switch to Auto) or manual power output. Ensure subject is within effective flash range.

6. SPECIFICATIONS

Feature	Detail
Model Number	3249C002

Feature	Detail
Guide Number	Approx. 85 ft./26m (at ISO 100)
Coverage	24mm (wide-angle)
Bounce Function	Horizontal and Upward Rotation
Wireless Function	Optical (Sender and Receiver)
Flash Sync Speed	1/250 second
Power Source	AA Batteries (not included)
Dimensions (W x H x D)	2.8 x 2.6 x 3.6 inches (approx.)
Weight (excluding batteries)	6.7 ounces (approx.)
Compatible Mountings	Canon hot shoe
Included Components	Speedlite EL-100, Soft Case, Mini Stand

7. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Canon website. Keep your purchase receipt as proof of purchase.

Canon Official Website: www.usa.canon.com

Manufacturer: Canon Cameras US