

Ledlenser ML6

Ledlenser ML6 Rechargeable LED Lantern and Powerbank User Manual

MODEL: ML6 (500929)

1. Product Overview

The Ledlenser ML6 is a versatile LED rechargeable lantern designed for outdoor activities and emergency use. It features advanced lens technology for glare-free light distribution, a built-in power bank function, and multiple mounting options. This manual provides detailed instructions for its proper use and maintenance.





Figure 1: Ledlenser ML6 Rechargeable LED Lantern

2. Package Contents

Ensure all items are present in the package:

- 1x Ledlenser ML6 Lantern
- 1x Set of rechargeable batteries (Li-ion 18650 3.6V, 11.52 Wh)
- 1x Transport bag
- 1x USB cable
- 1x Stand

3. Features

- **Advanced Lens Technology:** Provides glare-free and optimal light distribution.
- **High Luminosity:** Up to 750 lumens (MAX) for bright illumination, down to 20 lumens (MIN) for extended use.
- **Power Bank Functionality:** Integrated USB output allows recharging of external electronic devices.
- **Multiple Light Functions:** Includes Power, Low Power, Boost, Blink, Strobe, S.O.S. (Morse code distress

signal), and Red Light.

- **Dimmable Light:** Seamless adjustment of luminosity.
- **Fluorescent Elements:** Aids in locating the lantern in the dark.
- **Versatile Mounting Options:** Features a rubber hook for hanging, an integrated magnet for metal surfaces, and a removable stand with an additional flip-out metal hook.
- **Battery Indicator:** Built-in indicator for monitoring battery status.
- **Transportation Lock:** Prevents accidental activation during transport.
- **Water Resistance:** IP54 rated for protection against dust and splashing water.



Figure 2: The ML6 lantern in an outdoor setting.

4. Setup

4.1 Battery Installation

1. Unscrew the bottom cap of the lantern.
2. Insert the provided Li-ion 18650 battery into the battery compartment, ensuring correct polarity (+/-).
3. Screw the bottom cap back on securely.

4.2 Initial Charging

1. Locate the Micro USB input port under the rubber hook at the top of the lantern.
2. Connect the provided USB cable to the Micro USB input port on the lantern and to a suitable USB power source (e.g., wall adapter, computer USB port).
3. The battery indicator will show charging status. Allow approximately 5 hours for a full charge.



Figure 3: The ML6 lantern functioning as a power bank to charge a smartphone.

5. Operating Instructions

5.1 Power On/Off and Light Modes

The ML6 features a 3-in-1 button for control. The central button activates the light, while the '+' and '-' sections adjust brightness or cycle through modes.

1. **To Power On/Off:** Press and hold the central button for approximately 2 seconds.
2. **To Cycle White Light Modes:** With the lantern on, short press the central button to cycle through Power, Low Power, and Boost.
3. **To Adjust Brightness:** While in a white light mode, press and hold the '+' or '-' sections of the button to seamlessly dim or brighten the light.

4. **To Activate Red Light:** From the off state, press the central button three times quickly to activate the red light.
5. **To Cycle Red Light Modes:** With the red light on, short press the central button to cycle through Red Light, Red Blink, Red Strobe, and Red S.O.S.
6. **Special Functions:** Blink, Strobe, and S.O.S. modes are activated by cycling through the white or red light functions.

5.2 Power Bank Function

The ML6 can charge external devices:

1. Locate the USB output port under the rubber hook at the top of the lantern.
2. Connect your device's charging cable to the USB output port.
3. The lantern will begin charging your device. Note that using the power bank function will reduce the lantern's battery life.

5.3 Mounting Options

- **Hanging:** Use the integrated rubber hook at the top to hang the lantern from tent poles, branches, or other suitable fixtures.
- **Magnetic Attachment:** The magnetic base allows the lantern to be securely attached to metal surfaces.
- **Standing:** Attach the removable stand to the base for stable placement on flat surfaces. The stand also includes a flip-out metal hook for additional hanging versatility.



Figure 4: The ML6 lantern hanging inside a tent, providing ambient light.

5.4 Glow-in-the-Dark Feature

The ML6 features fluorescent elements that glow in the dark for a period after the light is turned off, making it easier to locate the lantern in low-light conditions.

Your browser does not support the video tag.

Video 1: An overview of the Ledlenser ML6 lantern's features, including its removable hook, USB ports, 3-in-1 button, battery indicator, and magnetic base.

6. Maintenance

- **Cleaning:** Wipe the lantern with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** For optimal battery life, charge the lantern regularly, even if not in frequent use. Avoid fully discharging the battery for extended periods.
- **Storage:** Store the lantern in a cool, dry place away from direct sunlight and extreme temperatures. If storing for a long time, ensure the battery is partially charged.

7. Troubleshooting

- **Lantern not turning on:** Ensure the battery is correctly installed and charged. Check for transportation lock activation (press and hold the button for 5 seconds to deactivate).
- **Device not charging via power bank:** Verify the USB cable connection and ensure the lantern has sufficient battery charge.
- **Reduced battery life:** This can be due to frequent use of high brightness modes or the power bank function. Ensure the battery is fully charged before use.

8. Specifications

Feature	Specification
Luminosity (MAX)	750 lumens
Luminosity (MIN)	20 lumens
Battery Type	1x Li-ion 18650 3.6V, 11.52 Wh
Battery Life (MAX)	70 hours
Battery Life (MIN)	4 hours
Charging Time	Approx. 5 hours
Water Resistance	IP54
Dimensions (L x W x H)	7.01" x 1.65" x 1.65" (178mm x 42mm x 39mm)
Weight (incl. battery)	9.88 oz (280 g)
Material	Aluminum



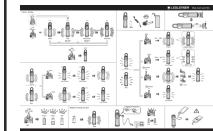
Figure 5: Dimensions of the Ledlenser ML6 lantern.

9. Warranty and Support

For warranty information and customer support, please refer to the official Ledlenser website or contact your local distributor. Keep your proof of purchase for any warranty claims.

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Related Documents - ML6



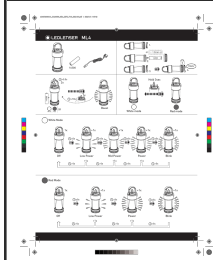
[Ledlenser ML6 Connect WL User Manual and Operation Guide](#)

Comprehensive guide to operating the Ledlenser ML6 Connect WL flashlight, covering factory settings, light modes, magnetic charging, transportation lock, remote control functionality, battery indicator, and battery replacement. Includes FCC compliance information.



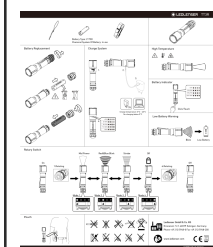
[Ledlenser MH5 Rechargeable Headlamp: Technical Data, Features, and Specifications](#)

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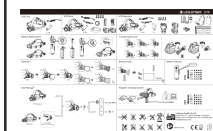
[Ledlenser ML4 Quick Start Guide: Operation and Features](#)

Concise guide to operating the Ledlenser ML4 flashlight, covering power options, light modes (white and red), boost function, charging, and status indicators.



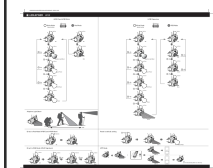
[Ledlenser TT3R Flashlight User Guide and Features](#)

Explore the features and operation of the Ledlenser TT3R flashlight, including battery replacement, charging, various light modes, and important warnings. This guide provides essential information for users.



[Ledlenser H7R Series Headlamp User Guide and Features](#)

Comprehensive guide to the Ledlenser H7R Core, H7R Work, and H7R Signature headlamps, detailing battery replacement, operation modes, app connectivity, magnetic charging, advanced features like boost and focus adjustment, and accessory mounting options for various activities.



[Ledlenser HF8R Headlamp User Guide and Specifications](#)

Comprehensive guide to operating and maintaining the Ledlenser HF8R series headlamps, including HF8R Core, HF8R Work, and HF8R Signature models. Covers features, modes, charging, and accessories.