Mankerlight Manker E05 II

Manker E05 II Compact EDC Flashlight User Manual

Brand: Mankerlight | Model: E05 II

Introduction

The Manker E05 II is a compact Everyday Carry (EDC) flashlight designed for versatility and performance. It features a high-density LED emitter, multi-fuel battery compatibility, and robust construction, making it suitable for various activities such as camping, hiking, and general utility. This manual provides essential information for the safe and effective use of your Manker E05 II flashlight.



Image: The Manker E05 II Compact EDC Flashlight in Army Green, showcasing its sleek design and pocket clip.

What's in the Box

Please check the package contents upon receipt to ensure all items are present:

- 1x Mankerlight E05 II LED flashlight
- 1x Type-C USB charging cable (for compatible rechargeable batteries, battery not included)
- 1x Lanyard
- 1x Spare waterproof o-ring
- 1x User manual

Setup

Battery Installation

The Manker E05 II supports multiple battery types: 14500 Li-ion, Ni-MH AA, and Alkaline AA. Ensure you use a compatible battery.

1. Unscrew the tail cap of the flashlight by turning it counter-clockwise.
2. Insert the battery with the positive (+) terminal facing towards the flashlight head.
3. Screw the tail cap back on clockwise until it is securely tightened. This ensures proper electrical contact and maintains the flashlight's waterproof rating.

Note: Batteries are not included with the flashlight. If using a rechargeable 14500 Li-ion battery, use the provided Type-C USB charging cable with a compatible charger (not included) to charge the battery externally before installation.

Operating Instructions

Basic Operation

- **Turn On/Off:** Press the tail switch completely to turn the flashlight on or off.
- **Mode Cycling:** With the flashlight on, lightly tap the tail switch (without clicking) to cycle through the brightness modes: Low → Medium → High.
- **Mode Memory:** The flashlight features a mode memory function, meaning it will turn on in the last used brightness mode (Low, Medium, or High).
- **Strobe Mode:** From any mode, quickly double-tap the tail switch to activate Strobe mode. Press the switch again to return to the previous brightness mode.



Image: Illustration of the Manker E05 II's three brightness outputs (High, Medium, Low) with memory function, and the Strobe (20Hz) full-power output. A hand holds the compact flashlight, demonstrating its size.

Warning: Do not shine the light directly into anyone's eyes, especially in Strobe mode, as it can cause temporary vision impairment.

Deep Carry Clip

The Manker E05 II is equipped with a 304 stainless steel deep carry clip. This clip allows for secure attachment to pockets, belts, or gear, ensuring the flashlight remains discreet and easily accessible for everyday carry.



Image: The Manker E05 II flashlight securely clipped into a pant pocket, demonstrating its deep carry design for discreet and convenient portability.

Maintenance

- **Cleaning:** Clean the flashlight body with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.
- **O-ring Maintenance:** Periodically inspect the O-rings for wear and tear. Lubricate them with silicone grease to maintain the waterproof seal. Replace damaged O-rings with the provided spare or genuine Mankerlight replacements.
- **Thread Care:** Keep the threads of the tail cap clean and lightly lubricated to ensure smooth operation and good electrical contact.
- **Battery Care:** Remove batteries from the flashlight if it will not be used for an extended period to prevent leakage and damage. Store batteries in a cool, dry place.

Safety Precautions

The Manker E05 II is designed with multiple safety protections to ensure reliable operation:

- **Over-discharge Protection:** Built-in protection circuits for both 14500 and AA batteries.
- **Over-charge Protection:** Integrated intelligent over-charge protection circuit for 14500 batteries.
- **Reverse Battery Protection:** Prevents damage from incorrect battery installation.
- **Advanced Thermal Regulation (ATR):** An integrated temperature regulation module adjusts output to prevent overheating and maintain optimal performance.



Image: Visual representation of the Manker E05 II's safety features including Over-discharge Protection, Over-charge Protection, Reverse Battery Protection, and Advanced Thermal Regulation. Also shown are optional multi-purpose filters (white/red).

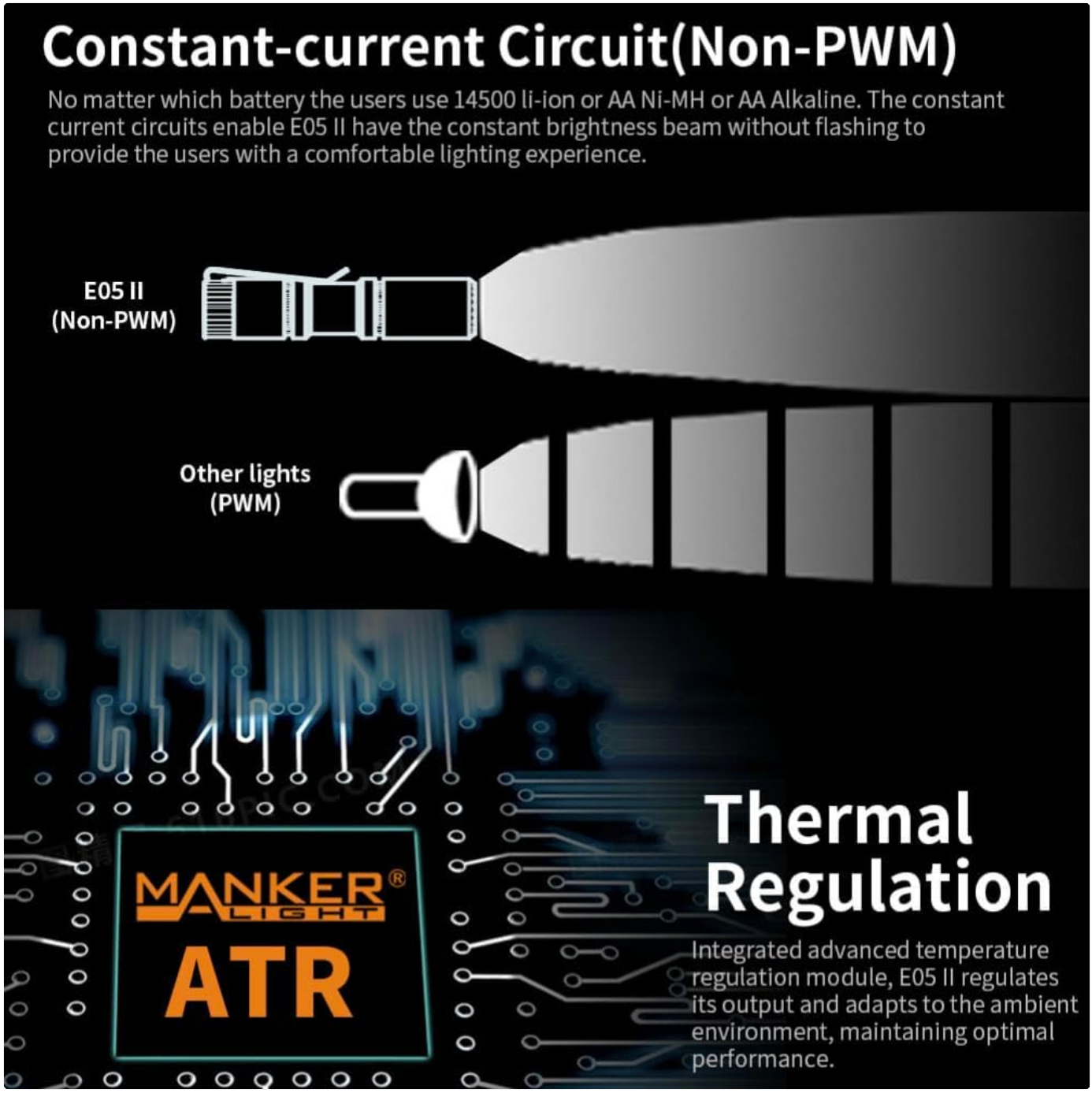


Image: Diagram illustrating the Manker E05 II's constant-current (Non-PWM) circuit for stable brightness and the integrated Advanced Thermal Regulation (ATR) system.

SPECIFICATIONS

General Specifications

Light Output (14500 battery)	1300 lumens
Beam Distance (14500 battery)	148 meters
Run Time (14500 battery, Low)	50 hours
Light Source	High Density LED emitter (cool white, 6500K)
Body Material	Aerospace aluminum alloy with type III hard anodized finish
Battery Compatibility	14500 Li-ion / AA Ni-MH / AA Alkaline (Excluded)

Lighting Modes	High / Medium / Low / Strobe
Waterproof Rating	IP68 (2 meters underwater for 60 minutes)
Impact Resistance	1.5 meters
Weight	63.8 grams (without battery)
Dimensions	91.35 mm (Length) x 20 mm (Head/Body Diameter)
Special Features	Impact Resistant, Constant Current Circuit, Thermal Regulation



Image: Overview of the Manker E05 II's key performance features, highlighting 1300 lumens, 148 meters beam distance, and 105° wide beam angle.

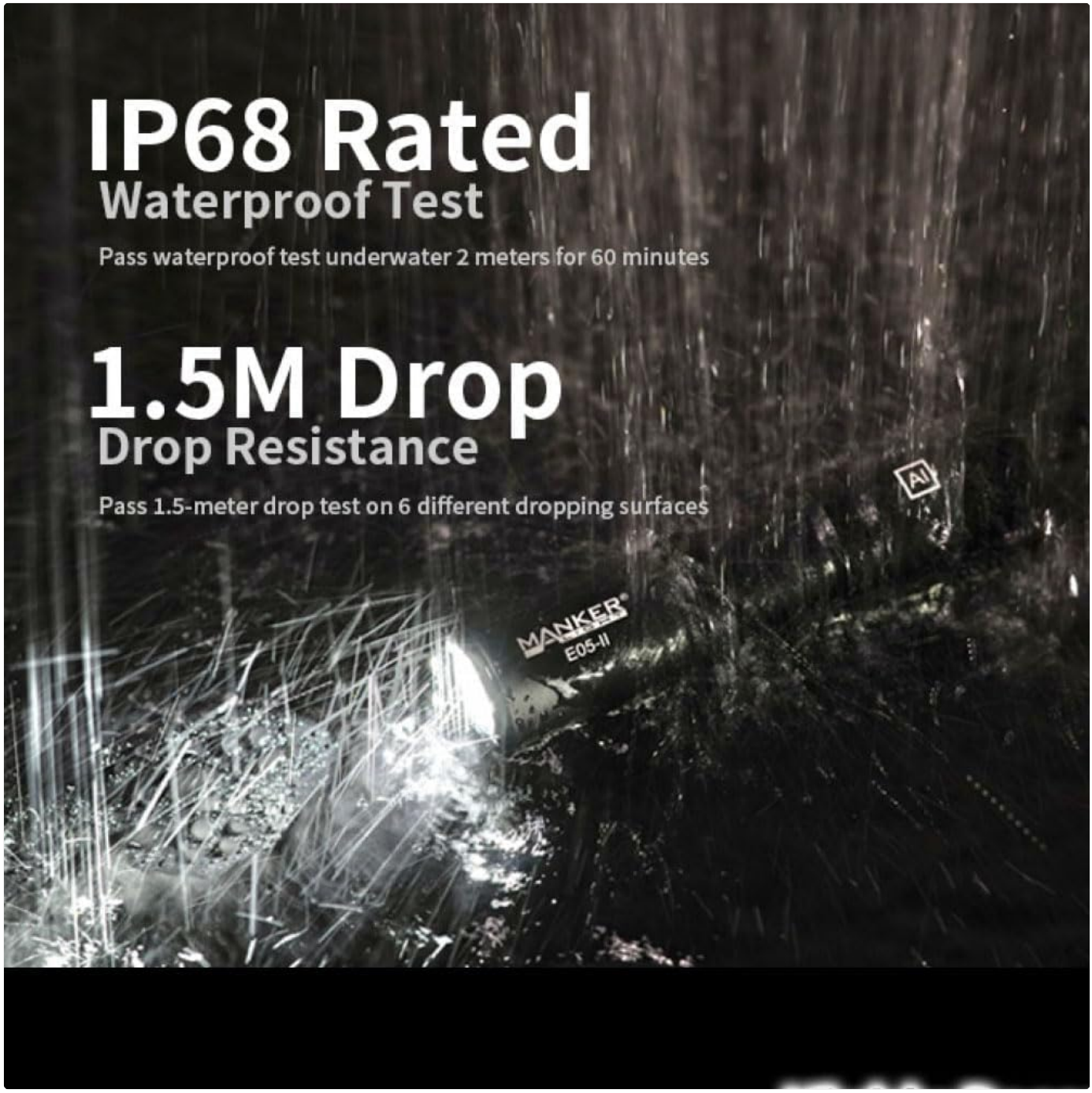


Image: Demonstration of the Manker E05 II's IP68 waterproof rating (tested 2 meters underwater for 60 minutes) and 1.5-meter drop resistance.

Performance Data

The following table details the performance characteristics of the Manker E05 II with different battery types, measured according to FL1 Standard:

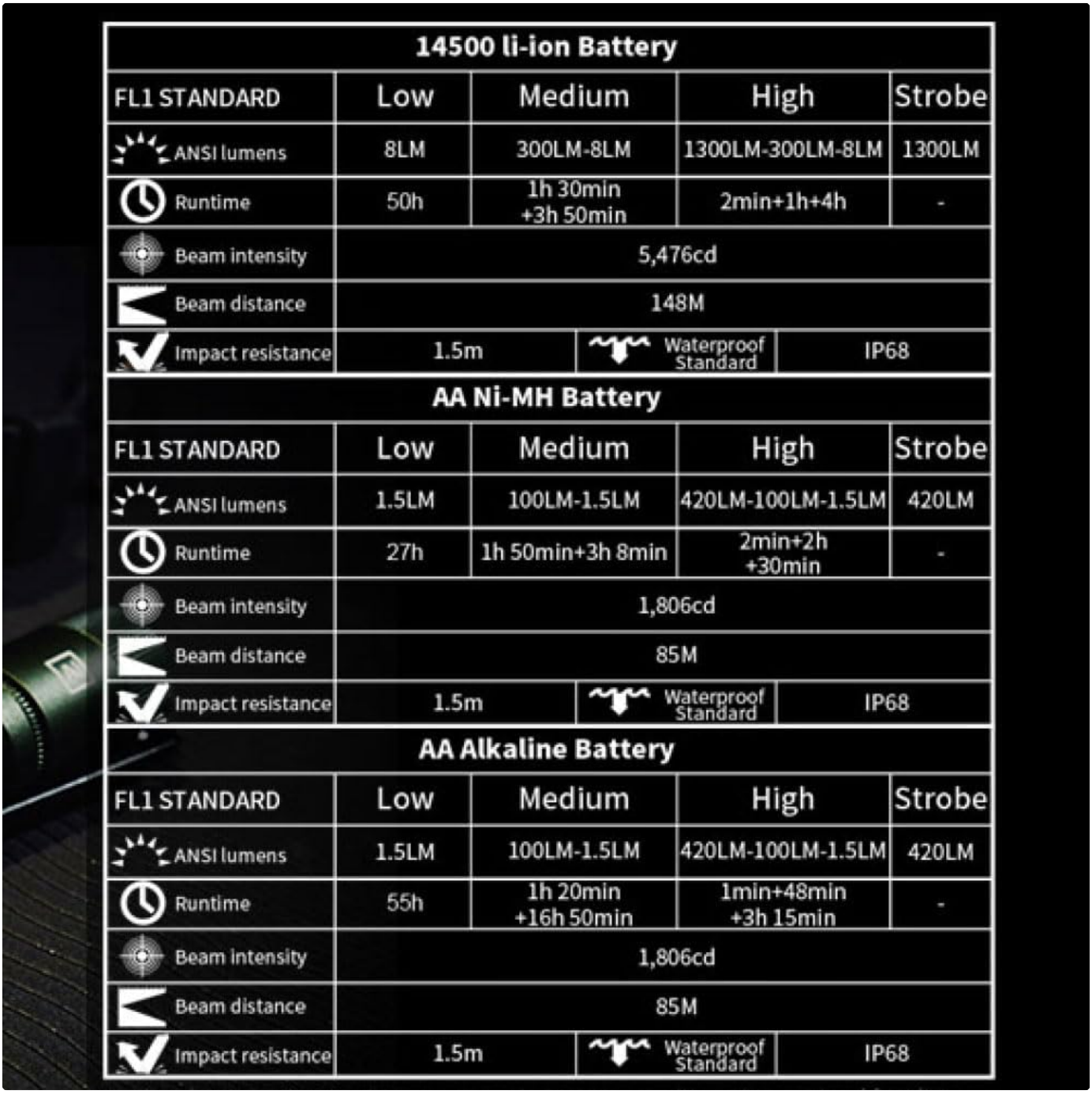


Image: Detailed performance table showing ANSI lumens, runtime, beam intensity, beam distance, impact resistance, and waterproof rating for 14500 Li-ion, AA Ni-MH, and AA Alkaline batteries across Low, Medium, High, and Strobe modes.

Troubleshooting

- **Flashlight Not Turning On:**
  - Ensure the tail cap is fully tightened.
  - Check battery polarity; ensure the positive (+) end faces the head.
  - Replace the battery with a fresh one to rule out a depleted battery.
  - Clean battery contacts and threads with a clean cloth.
- **Light is Dim or Flickering:**
  - The battery may be low. Replace or recharge the battery.
  - Ensure the tail cap is fully tightened.
  - Clean battery contacts and threads.

- **Mode Cycling Issues:**
  - Ensure you are lightly tapping the tail switch, not fully clicking it.
  - If the issue persists, check battery and contacts.

Warranty and Support

For warranty information and support, please refer to the official Mankerlight website or contact the authorized retailer from whom you purchased the product. Warranty terms may vary depending on the point of purchase.
It is recommended to retain your proof of purchase for any warranty claims.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question