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› Enventor Green Laser Level User Manual - Model 01-Vert-chargement Usb

Enventor 01-Vert-chargement Usb

Enventor Green Laser Level User Manual

Model: 01-Vert-chargement Usb

1. INTRODUCTION

Thank you for choosing the Enventor Green Laser Level. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your device. Please read it thoroughly before use and retain it for future reference.

Product Overview

The Enventor Green Laser Level is designed for precise indoor leveling tasks, including picture hanging, tiling, door and window alignment, and furniture installation. It projects highly visible green cross lines with an accuracy of $\pm 3\text{mm}$ at 10m.



Figure 1: Envantor Green Laser Level and Accessories

Package Contents

- Envantor Green Laser Level
- 360° Magnetic Bracket
- Cloth Bag
- Laser Target Plate
- USB Charging Cable
- User Manual (this document)

2. SAFETY INFORMATION

This device is a Class II laser product. Adhere to the following safety guidelines to prevent injury:

- **DO NOT** stare directly into the laser beam.
- **DO NOT** point the laser beam at people or animals.
- Avoid exposing the laser beam to reflective surfaces, as reflections can also cause eye injury.
- Keep the device out of reach of children.
- Use only as directed in this manual. Unauthorized modifications or repairs can result in hazardous radiation exposure.
- Ensure the work area is free from obstructions and potential hazards.

Laser Specification: Class II, <1mW output power.

3. SETUP

3.1 Charging the Battery

The laser level is powered by a built-in 2200mAh rechargeable battery, providing up to 7 hours of continuous operation. To charge the device:

1. Locate the USB-C charging port on the device.
2. Connect the provided USB charging cable to the device and a suitable USB power adapter (not included).
3. The charging indicator light will illuminate during charging and change color or turn off when fully charged.



Figure 2: USB-C Charging Port and Battery

3.2 Mounting Options

The laser level offers versatile mounting options for various applications:

- **Magnetic Bracket:** Use the included L-shaped magnetic bracket to attach the laser level to metal surfaces. The bracket allows for 360° rotation and fine adjustments.
- **Tripod Mount:** The device features a standard 1/4"-20 thread for mounting on a tripod or other compatible stands (tripod not included).

Multiple Placement Methods



Figure 3: Magnetic Bracket and Tripod Mounting

4. OPERATING INSTRUCTIONS

The Enventor Green Laser Level features a dual laser source for enhanced brightness and stability, offering three operating modes.

4.1 Power On/Off and Mode Selection

To power on the device, slide the switch to the "ON" position. The device will default to self-leveling mode. Press the power button briefly to cycle through the laser line modes (Horizontal, Vertical, Cross-Line).

DUAL LASER MODULE

- High Visibility
- High Accuracy
- 3 Switching Modes



Figure 4: Laser Line Modes

4.2 Self-Leveling Mode

When the pendulum lock is in the "UNLOCKED" position, the laser level will automatically self-level within $\pm 3^\circ$. If the device is outside this range, the laser lines will flash to indicate it cannot self-level. Adjust the device's position until the lines stop flashing and become steady.



Figure 5: Self-Leveling Mode (Unlocked Pendulum)

4.3 Manual Mode (Locked Pendulum)

To project lines at any angle, slide the pendulum lock to the "LOCKED" position. This disables the self-leveling function, allowing you to tilt the device and project non-level lines. The laser lines will remain steady in this mode.



Figure 6: Manual Mode (Locked Pendulum)

4.4 Pulse Mode

For extended working range up to 50m (164ft) with a laser receiver (not included), activate Pulse Mode. This mode is typically engaged by pressing and holding the power button for a few seconds while the device is on. Refer to your laser receiver's manual for compatibility and operation.

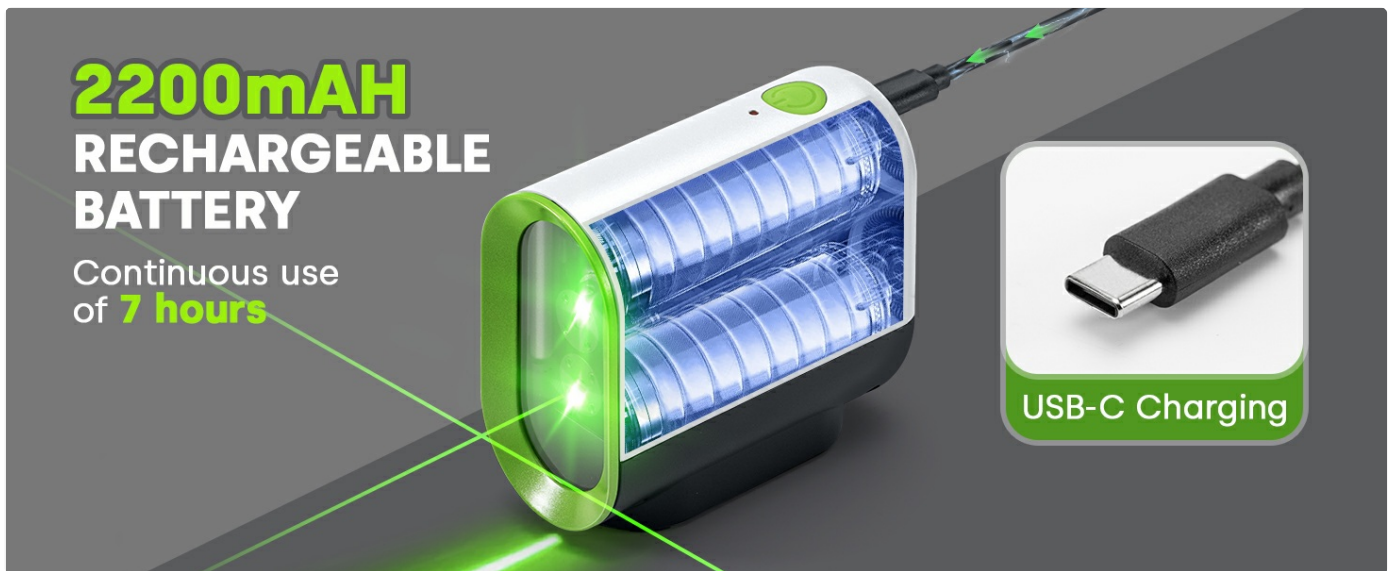


Figure 7: Pulse Mode Operation

5. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your laser level.

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents. Keep the laser emission windows clean for optimal visibility.
- **Storage:** When not in use, store the laser level in its cloth bag in a dry, cool place. Ensure the pendulum lock is engaged during storage and transport to protect the internal mechanism.
- **Battery Care:** Charge the battery regularly, even if the device is not in frequent use, to maintain battery health. Avoid fully discharging the battery for extended periods.
- **Durability:** The device has an IP54 rating, making it waterproof and dustproof. It is also designed to withstand minor shocks, but avoid dropping it from significant heights.



Figure 8: Durability Features

6. TROUBLESHOOTING

If you encounter issues with your Enventor Green Laser Level, refer to the following table:

Problem	Possible Cause	Solution
Laser lines are flashing.	Device is out of self-leveling range ($\pm 3^\circ$).	Adjust the device's position until it is within the self-leveling range.
No laser lines appear.	Battery is depleted. Device is not powered on. Laser emission window is obstructed.	Charge the battery. Ensure the power switch is in the "ON" position. Clean the laser emission window.

Problem	Possible Cause	Solution
Laser lines are dim or not visible outdoors.	High ambient light conditions.	Use a laser receiver (not included) in Pulse Mode for outdoor or bright conditions.
Laser lines are not straight or level in self-leveling mode.	Device is not on a stable surface. Pendulum lock is engaged (Manual Mode).	Place the device on a stable, vibration-free surface. Ensure the pendulum lock is in the "UNLOCKED" position for self-leveling.

7. SPECIFICATIONS

Feature	Detail
Model	01-Vert-chargement Usb
Laser Class	Class II (<1mW)
Laser Wavelength	505-530nm (Green Laser)
Leveling Accuracy	±3mm at 10m
Self-Leveling Range	±3°
Working Distance	25m / 82ft (60-100 LUX)
Extended Working Distance (with receiver)	Up to 50m / 164ft
Power Source	3.7V 2200mAh Lithium Ion Battery
Continuous Operation Time	Up to 7 hours
Charging Port	USB-C
IP Rating	IP54 (Waterproof, Dustproof)
Mounting Thread	1/4"-20
Product Dimensions	6.5 x 2.95 x 0.04 inches (approx.)
Item Weight	0.59 Kilograms / 1.3 pounds

8. WARRANTY AND SUPPORT

Enventor is committed to providing high-quality products and customer satisfaction. For warranty information, technical support, or any inquiries regarding your Enventor Green Laser Level, please contact us:

- **Email:** aftersale_service@enventor.net
- **Online Store:** Visit the [Enventor Store on Amazon](#) for more products and information.

Please have your model number (01-Vert-chargement Usb) and purchase date available when contacting support.

