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› Huepar LS415 Green Laser Level User Manual

## Huepar LS415

# Huepar LS415 Green Laser Level User Manual

Model: LS415 | Brand: Huepar

## 1. INTRODUCTION

Thank you for choosing the Huepar LS415 Green Laser Level. This device is designed for precise leveling and alignment tasks in various applications, including construction, renovation, and DIY projects. It features a horizontal full line, four vertical lines, and five plumb dots for comprehensive coverage. Please read this manual thoroughly before operating the device to ensure safe and efficient use.

## 2. SAFETY INFORMATION

This product emits a Class 2 laser beam. Observe the following safety precautions:

- Do not stare directly into the laser beam.
- Avoid directing the laser beam at other people or reflective surfaces.
- Do not operate the device in explosive environments.
- Keep the device out of reach of children.
- Use only specified batteries and chargers.

## 3. PACKAGE CONTENTS

The Huepar LS415 Green Laser Level package includes the following items:

- Huepar LS415 Green Laser Level Unit
- Storage Case
- 360° Micro-Adjustable Tripod Connection Adapter
- Two Rechargeable Lithium Batteries
- Power Adapter (Type-C compatible)
- Height Adjustable Base
- Simple Receiver Board

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Figure 3.1: Contents of the Huepar LS415 package. This image displays the main laser level unit, a protective storage case, two green lithium-ion batteries, a Type-C charging cable and adapter, a height-adjustable base, a simple receiver board, and a 360-degree rotating tripod adapter.

## 4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your Huepar LS415 laser level:



Figure 4.1: Detailed diagram showing the laser windows, operation buttons, lock switch, Type-C charging port, power indicator lamp, and 1/4-inch and 5/8-inch screw holes on the Huepar LS415 unit.

- **Laser Windows:** Emitters for horizontal, vertical, and dot lasers.
- **Operation Buttons:** Control laser lines (H for horizontal, V for vertical) and pulse mode.
- **Lock Switch:** Engages/disengages the pendulum for self-leveling or manual mode.
- **Type-C Charging Port:** For charging the lithium batteries.
- **Power Indicator Lamp:** Displays battery status.
- **Mounting Threads:** 1/4-inch and 5/8-inch screw holes for tripod or bracket attachment.

## 5. SETUP

### 5.1 Battery Installation and Charging

The LS415 uses two dedicated rechargeable lithium batteries. For short-term use, insert a charged battery. For extended operation, connect the power adapter directly. The device features a Type-C charging port, allowing for emergency use with a mobile battery.

## 5.2 Mounting Options

The device can be mounted using its integrated 1/4-inch and 5/8-inch screw holes. The included 360° micro-adjustable tripod connection adapter allows for precise alignment on uneven surfaces, with 1cm adjustment feet and a bubble level.



Figure 5.1: The laser level attached to the 360° micro-adjustable tripod adapter, demonstrating its ability to project a ground line. The adapter allows for fine adjustments to ensure precise leveling.

An included height-adjustable base can be used to raise the laser level from the floor, useful for tiling applications where the horizontal line needs to be close to the ground (minimum 20mm).



自動補正モード



傾斜モード

Figure 5.2: The Huepar LS415 laser level positioned on a height-adjustable base, demonstrating its use for floor tiling. The horizontal line is projected close to the floor, with a minimum distance of 20mm.

## 6. OPERATING MODES

### 6.1 Self-Leveling Mode

To activate self-leveling mode, unlock the pendulum by sliding the lock switch to the 'UNLOCKED' position. The device will automatically level itself within  $\pm 3$  degrees. If the tilt exceeds this range, the laser lines will flash rapidly to indicate an out-of-level condition.

# セット内容



Figure 6.1: The top image shows the laser level in automatic correction mode, projecting a level line for cabinet installation. The bottom image shows the laser level in tilt mode, projecting an angled line for staircase handrail installation.

## 6.2 Manual Mode (Tilt Function)

To use the device for projecting lines at any angle, slide the lock switch to the 'LOCKED' position. This disables the self-leveling function and allows the laser lines to be fixed at a desired angle. This is useful for tasks like staircase installation or pipe fitting.

## 6.3 Line Switching

Use the 'H' button to switch horizontal lines and the 'V' button to switch vertical lines. The LS415 features one horizontal full line, four vertical lines, and five plumb dots. You can activate only the necessary lines to conserve battery power.



Figure 6.2: The operation panel of the Huepar LS415, showing buttons for horizontal line switching (H), vertical line switching (V), and receiver mode (P). The image demonstrates the laser lines projected in a room.

#### 6.4 Pulse Mode (Outdoor Use)

For outdoor use or in bright conditions where laser visibility is reduced, activate Pulse Mode. This mode extends the working range up to 50 meters when used with a Huepar Line Laser Receiver (sold separately). Press the pulse mode button on the control panel to activate it.



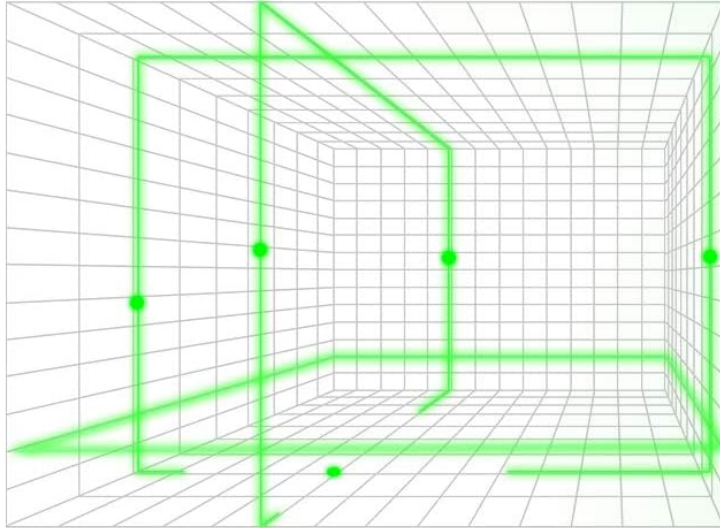
Figure 6.3: The Huepar LS415 laser level set up outdoors on a tripod, with a user holding a laser receiver to detect the beam over a longer distance. This illustrates the extended working range in pulse mode.

## 7. APPLICATIONS

The Huepar LS415 is versatile for various tasks:

- **Room Partitioning:** The four vertical lines allow for efficient layout of room dividers.
- **Anchor/Duct Positioning:** The cross lines formed by the ceiling and ground dots are ideal for precise positioning.
- **Tiling:** The 360° horizontal line simplifies tile alignment without needing to rotate the unit.
- **Staircase/Pipe Installation:** Manual mode allows for projecting lines at custom angles.

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Figure 7.1: The Huepar LS415 laser level projecting a horizontal full line, four vertical lines, and five plumb dots, illustrating its comprehensive leveling capabilities for various applications.

## 8. SPECIFICATIONS

| Feature             | Specification                                          |
|---------------------|--------------------------------------------------------|
| Brand               | Huepar                                                 |
| Model               | LS415                                                  |
| Laser Color         | Green                                                  |
| Laser Configuration | 1 Horizontal Full Line, 4 Vertical Lines, 5 Plumb Dots |
| Power Source        | Battery (Lithium)                                      |
| Battery Included    | Yes (2 units)                                          |

| Feature            | Specification                             |
|--------------------|-------------------------------------------|
| Operation Mode     | Automatic / Manual                        |
| Accuracy           | ±3 mm at 10 meters                        |
| Working Range      | Up to 20 meters (50 meters with receiver) |
| Package Dimensions | 28.7 x 25.7 x 11.4 cm                     |
| Item Weight        | 2.37 kg                                   |

## 9. MAINTENANCE

To ensure the longevity and accuracy of your Huepar LS415 laser level:

- Clean the laser windows and housing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Store the device in its protective case when not in use.
- Remove batteries if the device will not be used for an extended period.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Do not attempt to disassemble or repair the device yourself. Contact authorized service personnel.

## 10. TROUBLESHOOTING

If you encounter issues with your Huepar LS415, refer to the following common problems and solutions:

- **Laser lines flashing rapidly:** The device is out of its self-leveling range. Place it on a more level surface.
- **No laser lines:** Check if the device is powered on and the batteries are charged. Ensure the pendulum is unlocked for self-leveling mode.
- **Dim laser lines:** Ensure the device is in pulse mode when using a receiver or in bright conditions. Clean the laser windows.
- **Inaccurate lines:** Verify the device is on a stable surface and within its self-leveling range. If issues persist, the device may require calibration by authorized service.

## 11. WARRANTY AND SUPPORT

Huepar products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Huepar website. Keep your purchase receipt as proof of purchase.

### 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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### 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

### Answered questions about this manual

#### Is calibration testing or certification required for the Huepar LS415 Green Laser Level?

According to the Huepar LS415 manual, regular calibration testing is not explicitly required for general DIY use, but maintaining accuracy is essential for professional applications. Here are the key points regarding calibration and accuracy:Accuracy...

[Read full answer](#)