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› Huepar Laser Level W04CG-4D Bluetooth Laser Level Instruction Manual

Huepar W04CG

Huepar Laser Level W04CG-4D Bluetooth Laser Level Instruction Manual

Model: W04CG-4D

Brand: Huepar

1. INTRODUCTION

The Huepar W04CG-4D Bluetooth Laser Level is an advanced 4x360° self-leveling laser tool designed for precision in construction, home decoration, and various layout tasks. It features ultra-bright green laser lines, a motorized rotating base with Bluetooth and remote control, a large LCD touchscreen for status monitoring, and robust IP54 protection against dust and water. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your laser level.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Huepar 2024 Version 4x360 laser level W04CG
- 1 x Hard Carry Case (Thickened Drop-proof)
- 1 x User Manual
- 1 x Laser Target Plate
- 1 x Drop-proof Rope
- 1 x Magnetic Bracket
- 1 x Steel Sheet
- 1 x Lifting Base
- 1 x Rechargeable 12.6V/2600mAh Li-ion Battery
- 1 x Power Adapter
- 1 x Type-C cord
- 1 x Remote Control
- 1 x 1/4" to 5/8" Nut

Adjustable Visibility

Tips: It can only be adjusted by mobile phone APP

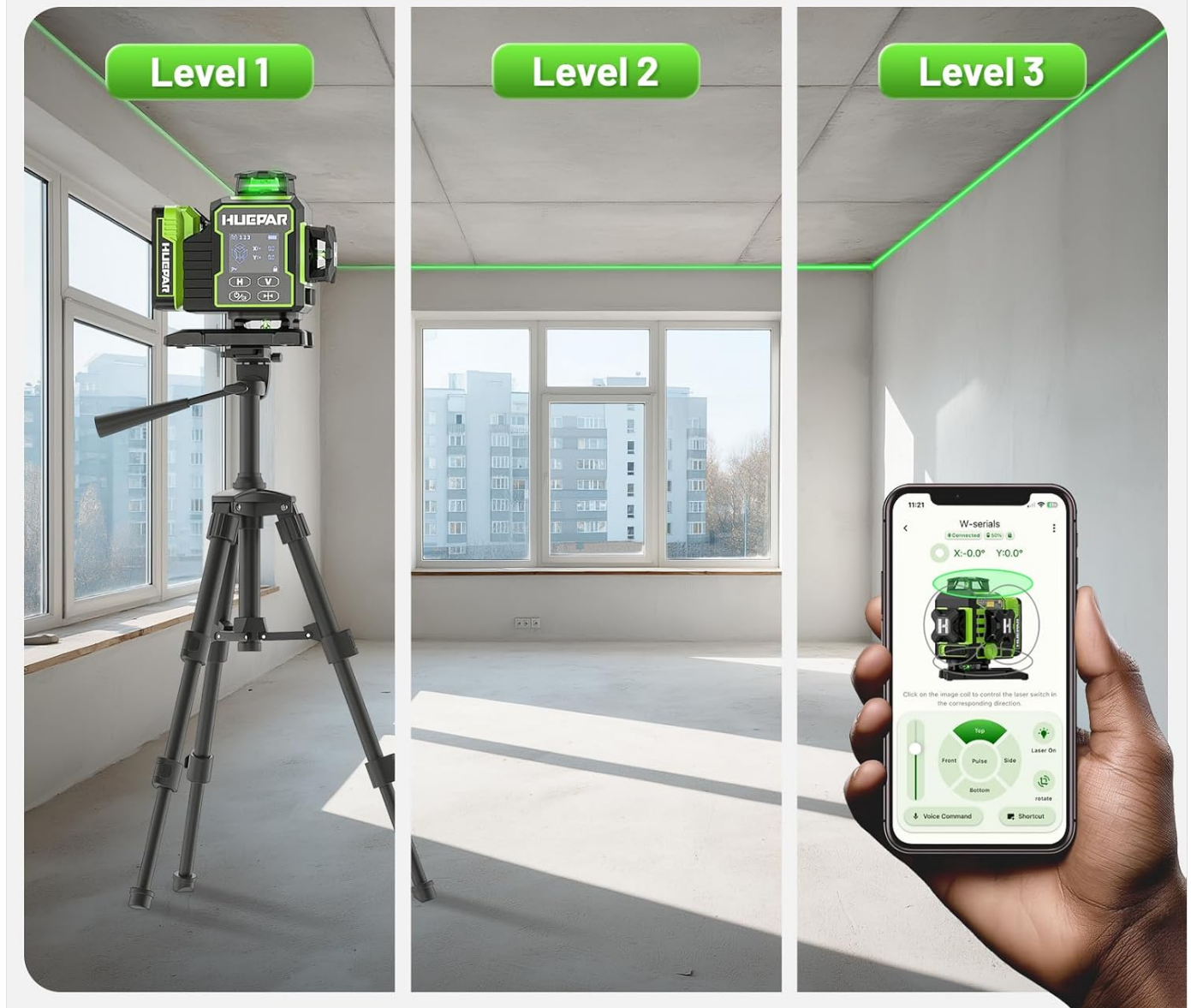


Figure 2.1: Overview of the Huepar W04CG-4D Laser Level and its complete package contents.

3. SETUP

3.1 Battery Installation and Charging

The device comes with a rechargeable 12.6V/2600mAh Li-ion battery. Ensure the battery is fully charged before first use. Connect the power adapter to the laser level and a power outlet using the provided Type-C cord. The LCD screen will indicate charging status.

3.2 Mounting the Laser Level

The Huepar W04CG-4D can be mounted in various ways for optimal use:

- **On a Flat Surface:** Place the laser level directly on a stable, flat surface.
- **Using the Lifting Base:** For precise height adjustments, place the laser level on the included lifting base. This allows raising the beam from 1" to 3.54" above ground.

- **Magnetic Bracket:** Attach the magnetic bracket to the back of the laser level. Use the strong magnets to secure the device to metal surfaces or the included steel sheet.
- **Tripod Mounting:** The laser level features 1/4"-20 and 5/8"-11 mounting threads for compatibility with standard tripods.



Figure 3.1: The Huepar W04CG-4D Laser Level ready for setup.

Electric Rotation Base

No need to move the machine manually

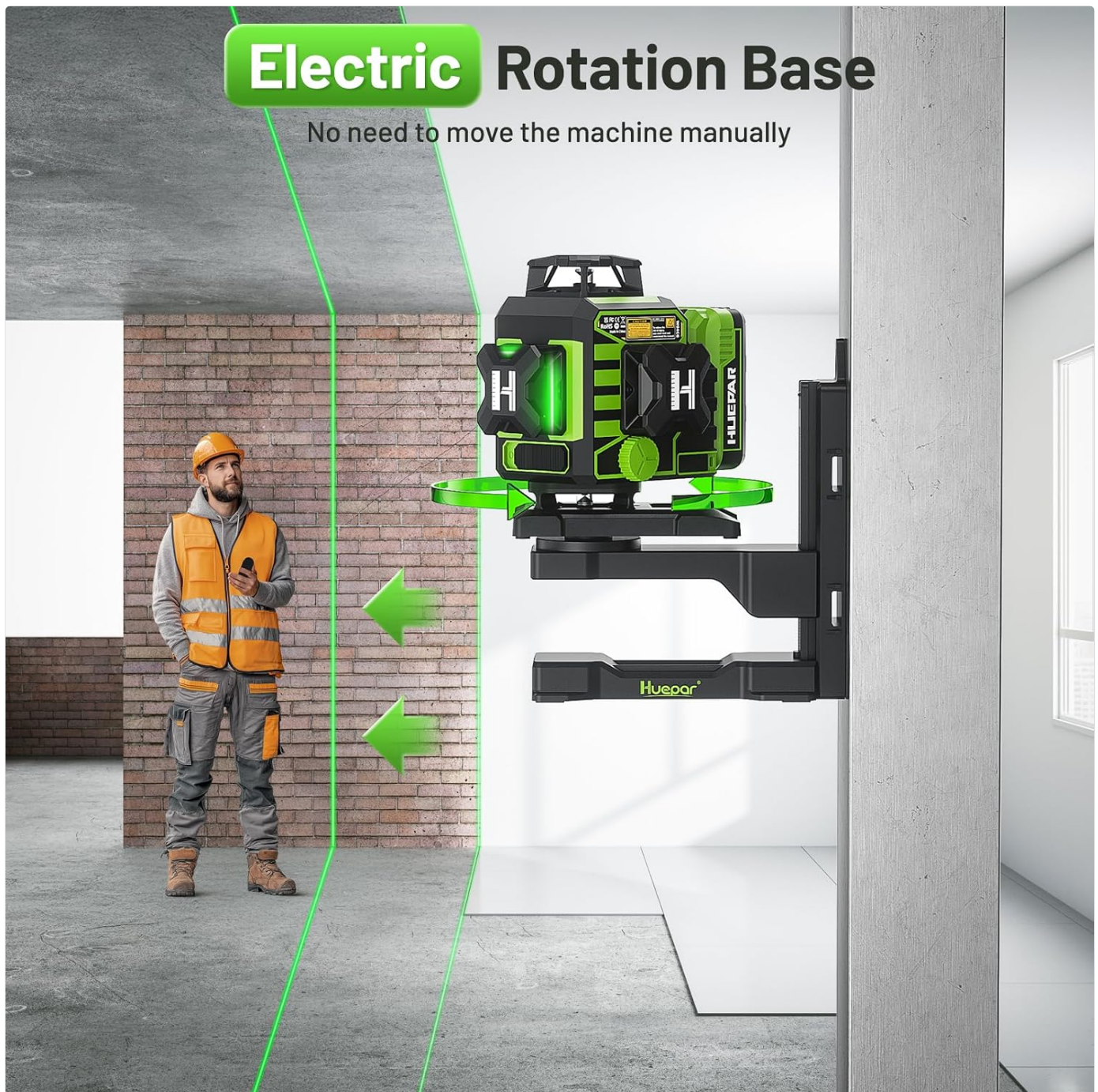


Figure 3.2: Example of using the electric rotation base for precise positioning.

4. OPERATING MODES

The Huepar W04CG-4D offers versatile operating modes to suit various applications:

4.1 Self-Leveling Mode

This mode automatically levels the laser lines within a $\pm 3^\circ$ range. If the device is outside this range, it will emit an audible alarm and the laser lines will flash. To activate, unlock the pendulum by sliding the pendulum lock to the unlocked position. The laser will self-level within 4 seconds.

4.2 Manual Mode (Tilt Mode)

For projecting lines at any angle, engage the manual mode. Lock the pendulum by sliding the pendulum lock to the locked position. Press the 'H' or 'V' button to activate horizontal or vertical lines. The laser lines will remain active without self-leveling, allowing for custom angle projections.

4.3 Pulse Mode

When working in bright conditions or over long distances (up to 200ft), activate pulse mode. This mode allows the laser level to be used with a Huepar laser receiver (sold separately) to extend the working range and improve visibility. Press the pulse mode button on the device or via the app/remote to enable.



Figure 4.1: Visual representation of the three main operating modes.

4.4 Bluetooth and Remote Control

The integrated electric rotating base can be controlled via Bluetooth using a mobile app or with the included remote control from up to 65ft away. This allows for quick targeting and fine-tuning of the laser lines without manually adjusting the device. The app also allows for adjustable visibility levels (Level 1, 2, 3).

Mobile Phone Control

4D laser level with bluetooth

Get it on Google play

Available on the App Store

Figure 4.2: Mobile phone control interface for the Huepar laser level.

Package Contents



**W04CG
Laser Level**



**Thickened
Drop-proof Hard Case**



**Upgraded Stand
Li-ion Battery**



Lifting Base



5-Year WTY



Type-c Charger Kit



**Remote Control
Steel Sheet**



**Target Plate
Drop-proof Rope**



**User Manual
1/4" to 5/8" Nut**

Figure 4.3: Adjustable laser visibility levels controlled via the mobile app.

4.5 Large LCD Touchscreen

The large, backlit LCD panel provides real-time status updates, including tilt angle, rotation speed, battery level, and current laser modes (pulse, manual, self-leveling). The responsive touch interface is designed to work even with gloves, making it suitable for various working conditions.

Large Touch LCD Screen

Quickly switch modes and get the status



Figure 4.4: The large LCD touchscreen provides comprehensive status information.

5. KEY FEATURES

- **4 x 360° Laser Planes:** Projects four ultra-bright green laser lines for complete coverage across walls, ceilings, and floors. The bottom line sits just 1/2" above ground, ideal for tiling and floor layouts. Dual 90° vertical lines assist in accurate square layouts.
- **360° Motorized Base:** Features three speed modes (9.1mm/s, 48mm/s, 240mm/s) for precise and efficient targeting. Control via mobile app or remote for convenience.
- **All-Terrain Ready & Drop Protection:** Constructed with a TPE rubber-coated exterior, making it dustproof, rain-resistant (IP54 rated), and impact-resistant. Includes a detachable lanyard for added drop safety.



Figure 5.1: All-round protection features of the Huepar W04CG-4D.

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Huepar laser level:

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents. Keep the laser windows clean for optimal beam clarity.
- **Storage:** Store the laser level in its hard carry case in a dry, cool place when not in use. Ensure the pendulum is locked before storage or transport to prevent damage.
- **Battery Care:** For long-term storage, charge the battery to approximately 50% and recharge every 3-6 months to maintain battery health.
- **Calibration Check:** Periodically check the calibration of your laser level according to the instructions in the full user manual (PDF link provided in product details) to ensure continued accuracy.

7. TROUBLESHOOTING

If you encounter issues with your Huepar laser level, refer to the following common troubleshooting steps:

- **Laser Not Turning On:** Check if the battery is properly installed and charged. Ensure the power switch is in the ON position.
- **Laser Lines Flashing/Beeping:** This indicates the device is outside its self-leveling range. Place the laser level on a more level surface or manually adjust its position until the alarm stops and lines stabilize.
- **Weak or Invisible Laser Lines:** Ensure the laser windows are clean. If in pulse mode, ensure a compatible laser receiver is being used. In bright outdoor conditions, a receiver is often necessary.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on your mobile device and the laser level. Try restarting both devices. Refer to the app's instructions for pairing.
- **Remote Control Not Responding:** Check the remote control's battery. Ensure there are no obstructions between the remote and the laser level.

For more detailed troubleshooting or persistent issues, please contact Huepar customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Huepar
Model	W04CG-4D
Laser Class	Class 2 (IEC/EN60825-1/2014), <1mW
Laser Color	Green
Laser Lines	4 x 360° (Two Horizontal, Two Vertical)
Leveling Accuracy	±1/9 in. at 33ft (±2.5mm at 10m)
Self-Leveling Range	±3°
Self-Leveling Time	<4 seconds
Working Range	Up to 66ft (20m) indoors; Up to 197ft (60m) with receiver
Power Source	12.6V/2600mAh Li-ion Battery (included)
Operating Time	Approx. 6.5 hours (with all lasers on)
IP Rating	IP54 (Dustproof and Rain-resistant)
Mounting Thread	1/4"-20 and 5/8"-11
Product Dimensions	5.9"L x 5.77"W
Item Weight	8.03 pounds

9. WARRANTY AND SUPPORT

Huepar is committed to providing excellent customer service and product support:

- **5-Year Warranty:** The Huepar W04CG-4D laser level comes with a 5-year warranty for the device and a 2-year warranty for the battery (non-human damage).
- **Year 1:** Free replacement of a brand-new full set (device, battery, accessories).
- **Years 2-5:** Free replacement with refurbished or equivalent for any non-repairable issues.
- **Lifetime Technical Support:** Enjoy lifetime customer service and access to worldwide maintenance centers for faster repair or replacement.
- **Customer Service:** 24/7 service team available (response within 24 hours, solution within 48 hours).



Figure 9.1: Huepar's comprehensive warranty and support policy.

For support, please refer to the contact information provided in the full user manual or visit the official Huepar website.

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For the most up-to-date information, please visit [Huepar Official Store](#).

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

I purchased a Huepar W04CG-4D laser level package in April, but the remote control will not charge. How do I get a replacement?

Based on the Huepar W04CG-4D warranty policy, you are eligible for a replacement. Since you purchased the unit in April (within the first year), Huepar offers a free replacement of a brand-new full set...

[Read full answer](#)

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