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## Huepar W04CG

# Huepar W04CG 4D Laser Level Instruction Manual

*Model: W04CG*

*Brand: Huepar*

## INTRODUCTION

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This manual provides comprehensive instructions for the safe and effective operation of your Huepar W04CG 4D Laser Level. Please read this manual thoroughly before use and retain it for future reference.

The Huepar W04CG is a Class 2 laser product (IEC/EN60825-1/2014) with a 1mW power output.

## PACKAGE CONTENTS

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Verify that all items listed below are included in your package:

# Package Contents



Thickened Drop-proof Hard Case



Remote Controller



2x Li-ion Battery



Upgraded Triaxial Magnetic Stand



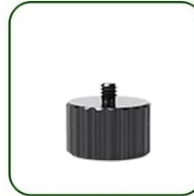
Target Plate Drop-proof Rope



Lifting Base



Steel Sheet



1/4" to 5/8" Nut



Type-C Charger Kit



Multilingual User Manual

Image: Contents of the Huepar W04CG package, including the laser level, two Li-ion batteries, remote controller, upgraded triaxial magnetic stand, target plate, lifting base, steel sheet, 1/4" to 5/8" nut, Type-C charger kit, and multilingual user manual, all housed in a thickened drop-proof hard case.

- Huepar W04CG 4D Laser Level
- 2 x 12.6V Li-ion Batteries
- Remote Controller
- Upgraded Triaxial Magnetic Stand
- Target Plate
- Lifting Base
- Steel Sheet
- 1/4" to 5/8" Nut
- Type-C Charger Kit
- Hard Carry Case
- User Manual

## KEY FEATURES

### Battery and Power Management

The W04CG laser level is powered by two high-capacity 12.6V Li-ion batteries, providing an extended runtime of 13 to 24 hours. The device can also operate while charging, ensuring uninterrupted workflow.

### 360° Electric Rotating Base



Image: The Huepar W04CG laser level on its electric rotating base, demonstrating its 360-degree rotation capability with speed indicators (240mm/s, 48mm/s, 9.7mm/s).

This laser level features an integrated electric rotating base with three selectable speeds: 9.1 mm/s, 48mm/s, and 240mm/s. This allows for quick movement to the target location or fine-tuning for precise alignment.

### Remote and Bluetooth APP Control

Your browser does not support the video tag.

Video: Demonstrates the remote control and Bluetooth app functionality of the Huepar W04CG laser level, showing how to turn laser lines

on/off, adjust pulse mode, select laser planes, and control brightness levels from a distance.

Control the laser level from up to 65 feet away using either the included remote control or the dedicated mobile phone Bluetooth application. This allows for efficient operation without needing to be directly at the device.

## Advanced LCD Touch Panel and Backlit Display



Image: Close-up of the Huepar W04CG's large LCD screen, showing various parameters like X-axis and Y-axis angles, battery power, and mode indicators, visible day and night.

The large backlit LCD display provides clear visibility of essential information, including active laser lines, tilt angle, battery status, pulse mode, self-leveling mode, manual mode, and rotation speed. The touch panel is highly responsive, even when wearing gloves.

## 4 x 360° Green Beam Laser Lines with Adjustable Brightness

# ADJUSTABLE VISIBILITY

The laser line has three levels of brightness



Image: The Huepar W04CG laser level demonstrating its adjustable brightness settings (Max, Middle, Min) for optimal visibility in different lighting conditions.

The W04CG projects four 360° green laser planes: one top horizontal line ideal for ceiling installations, one bottom horizontal line for ground leveling (achieving an ultra-low 1/2-inch distance), and two vertical cross lines that intersect at 90° for precise square layouts. Laser brightness can be adjusted to three levels.

## Self-leveling and Manual Modes

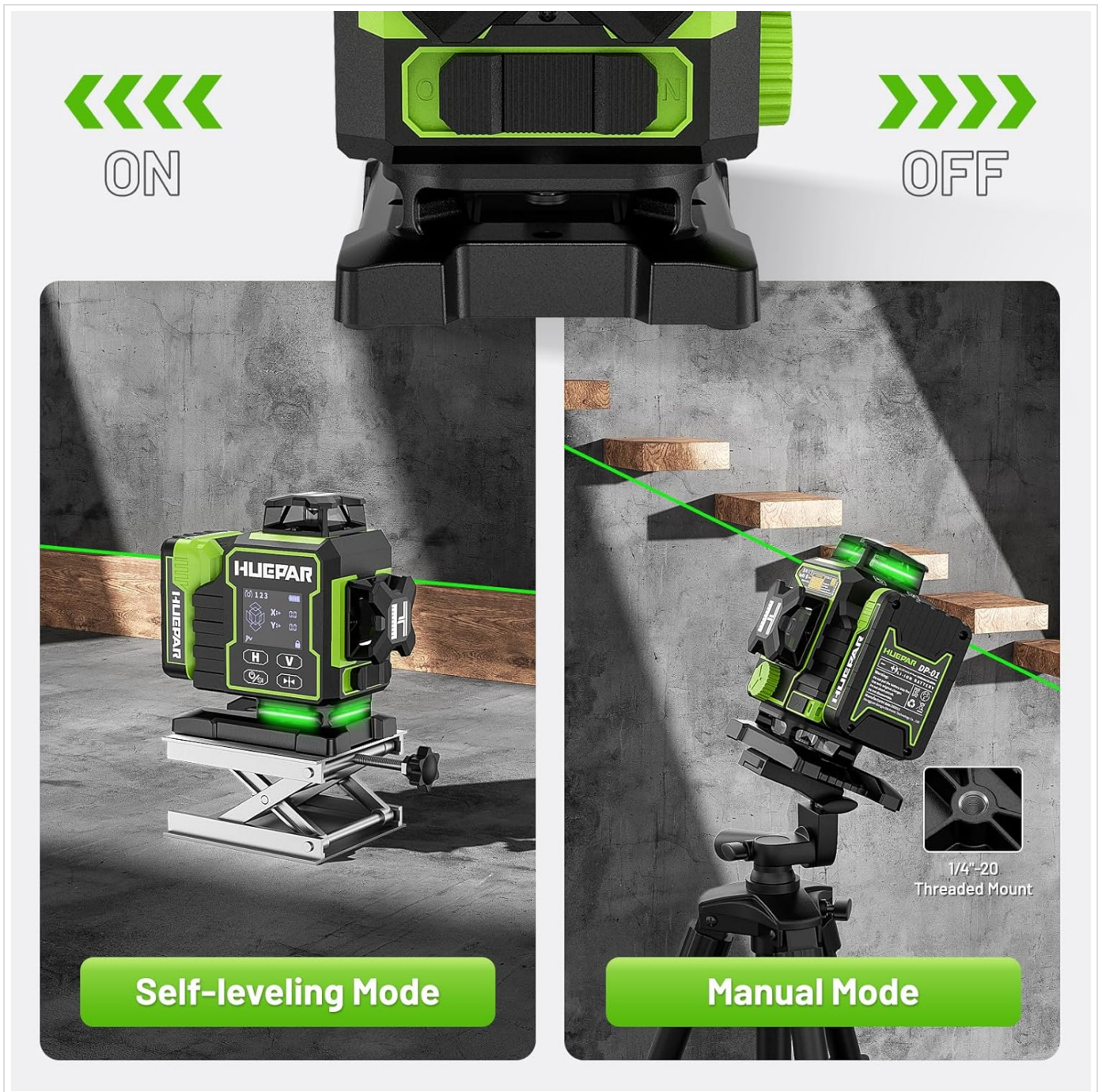


Image: Comparison of the Huepar W04CG in self-leveling mode (projecting level lines) and manual mode (allowing tilted lines for specific applications like stair paving), also showing the 1/4-20 threaded mount.

The device supports both self-leveling and manual modes. In self-leveling mode, the laser automatically levels within its range. For applications requiring angled lines, switch to manual mode to lock the pendulum and project lines at any desired angle.

### IP54 Water/Dust Resistance

The over-molded metal laser window provides IP54 water and dust resistance, ensuring durability and reliable performance in tough jobsite conditions.



Image: The Huepar W04CG 4D Laser Level, showcasing its robust design and green laser beams.

## SETUP

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### 1. Battery Installation

Insert the two 12.6V Li-ion batteries into the designated battery compartments. Ensure correct polarity.

### 2. Charging

Connect the Type-C charger to the device and a power source to charge the batteries. The device can be used while charging.

### 3. Mounting

Place the laser level on a stable, level surface. For elevated or angled applications, use the upgraded triaxial magnetic stand or the lifting base. The device features a 1/4"-20 threaded mount for compatibility with tripods.

### 4. Initial Power On

Slide the ON/OFF switch to the 'ON' position. The laser level will typically start in self-leveling mode.

# OPERATING INSTRUCTIONS

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## Self-Leveling Mode

When the pendulum is unlocked (ON position), the laser level will automatically self-level. If the device is outside its self-leveling range, the laser lines will flash rapidly to indicate an out-of-level condition. Adjust the position of the device until the lines stabilize.

## Manual Mode (Tilt Function)

To project lines at a specific angle, slide the ON/OFF switch to the 'OFF' position to lock the pendulum. Then, press and hold the 'H' or 'V' button (or the corresponding button on the remote/app) to activate the laser lines. The lines will now remain active at any angle. The LCD display will show the X-axis and Y-axis angle data, allowing for precise angle measurement.

## Laser Line Selection

Use the 'H' button to cycle through horizontal laser lines and the 'V' button to cycle through vertical laser lines. You can activate individual lines or combinations as needed for your project.

## Pulse Mode

Activate pulse mode by pressing the pulse mode button (often indicated by a pulse icon). This mode is essential for use with a laser receiver (not included) to extend the working range up to 200 feet, especially outdoors or in bright conditions.

## Adjusting Brightness

Adjust the laser line brightness through the mobile app or remote control. There are three levels: Minimum, Normal, and Maximum, to suit different lighting environments.

## Electric Rotating Base Control

Use the remote control or mobile app to adjust the rotation speed of the electric base. Select from 9.1 mm/s (lowest), 48 mm/s (medium), or 240 mm/s (highest) depending on the precision required for alignment or tiling work.

## Applications

# Professional Construction Laser Level

Suitable for home decoration and large construction sites



Door and Window Installation



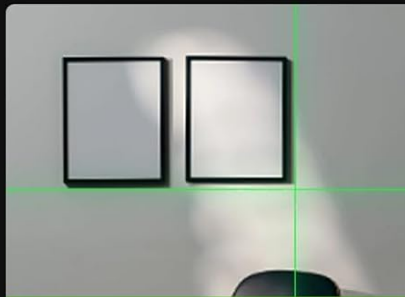
Floor Laying



Woodworking Decoration



Countertop Mounting



Hanging Pendant



Wall Construction



Floor Laying



Stair Paving



Ceiling Installation

Image: Various construction and home decoration applications of the Huepar W04CG laser level, including door and window installation, floor laying, woodworking decoration, countertop mounting, hanging pendants, wall construction, stair paving, and ceiling installation.

The Huepar W04CG is suitable for a wide range of tasks, including:

- Door and Window Installation
- Floor Laying
- Woodworking Decoration
- Countertop Mounting
- Hanging Pendants
- Wall Construction
- Stair Paving
- Ceiling Installation

## MAINTENANCE

- Keep the laser window clean and free from dust and debris. Use a soft, lint-free cloth for cleaning.

- Store the device in its hard carry case when not in use to protect it from impacts and environmental elements.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Regularly check battery contacts for corrosion and clean if necessary.

## TROUBLESHOOTING

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### Laser Lines Not Visible / Dim

- Check battery level on the LCD display and recharge if low.
- Adjust brightness settings via the remote or app to maximum.
- Ensure you are within the specified working range. For outdoor or long-range use, activate pulse mode and use a compatible laser receiver.

### Laser Lines Flashing Rapidly

- In self-leveling mode, this indicates the device is out of its leveling range. Adjust the position of the laser level until the lines stabilize.
- Ensure the pendulum is unlocked for self-leveling mode.

### Remote/App Control Not Responding

- Check the batteries in the remote control.
- Ensure Bluetooth is enabled on your mobile device and the app is correctly paired with the laser level.
- Verify you are within the 65-foot control range.

## SPECIFICATIONS

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Attribute	Value
Brand	Huepar
Model	W04CG
Laser Class	Class 2 (IEC/EN60825-1/2014)
Power Output	<1mW
Material	Plastic
Color	Green
Operation Mode	Automatic
Battery Type	12.6V Li-ion (2 included)
Runtime	13 to 24 hours (approx.)
Electric Rotating Base Speeds	9.1mm/s, 48mm/s, 240mm/s
Control Range (Remote/Bluetooth)	Up to 65 feet
Pulse Mode Range	Up to 200 feet (with receiver)
IP Rating	IP54 (Water/Dust Resistant)

## WARRANTY AND SUPPORT

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Huepar products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official Huepar website.

Always use genuine Huepar accessories and replacement parts to ensure optimal performance and safety.