HUEPAR®

# User Manual

16-line laser level

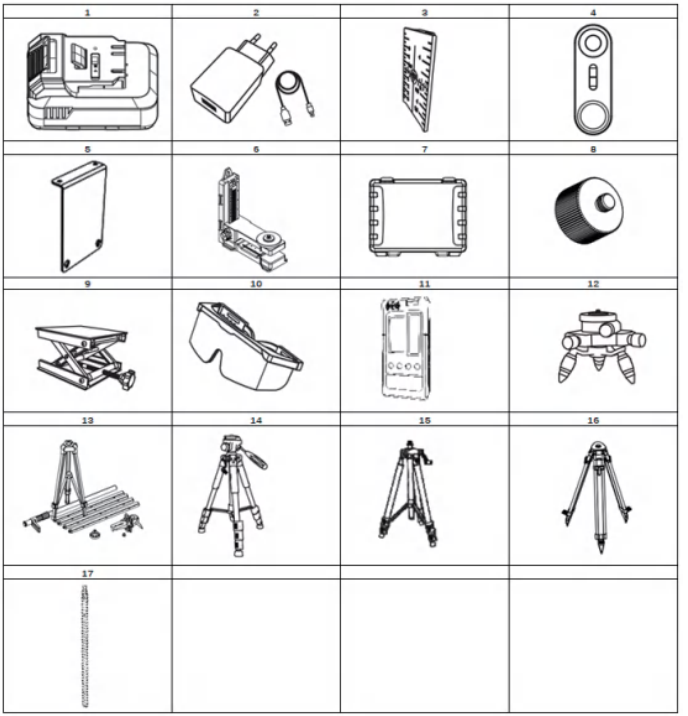
English ---------- 1~19

support@huepar.com

# Accessories Description

1. Li-ion Battery
2. Power Adapter&Type-C Power Cord
3. Laser Target Plate
4. Remote Control
5. Wall steel sheet
6. Multifunctional Bracket
7. Hard Carrying Case
8. Laser Level Adapter
9. Lifting Base
10. Laser Enhancement Glasses GL01G/GL01R
11. Laser Detector LR-5RG/LR-6RG/LR-8RG
12. Laser Level Rotating Base AT2
13. Laser Telescopic Pole LP36
14. 1.4m Tripod TPD14
15. 1.6m Tripod TPD16
16. 1.65m Aluminum Flat Head Contractor Tripod M3Y
17. 5m Telescopic Grade Rod Leveling Staff GR5

| Accessory Item | W03CG | W03DG | W04CG |
|---|---|---|---|
| 1 | √ | √ | √ |
| 2 | √ | √ | √ |
| 3 | √ | √ | √ |
| 4 | √ | √ | √ |
| 5 | √ | √ | √ |
| 6 | √ | √ | √ |
| 7 | √ | √ | √ |
| 8 | × | √ | √ |
| 9 | × | √ | √ |
| 10~17 | These are optional accessories that are not included as standard delivery. Please contact Huepar service or the dealer to order it if needed. | | |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Thank you for purchasing Huepar 360° Self-leveling Cross Line Laser Level.
Before using the product, please read this manual thoroughly to ensure proper use.

## Contents


- **Product Overview**
- **Safety Instructions**
- **Charging and Battery Safety**
- **LCD Display**
- **Operation**
- **Remote Control**
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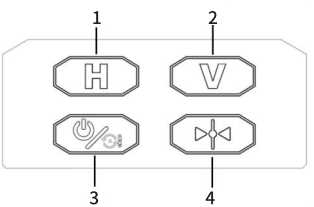
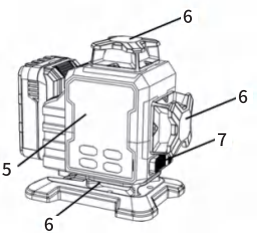
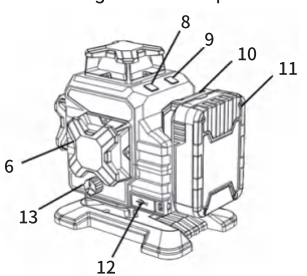
- **Warranty**

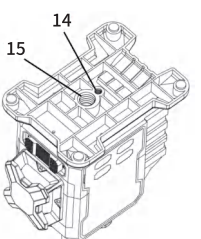
# Product Overview

1. Horizontal Laser Line(s) Switch
2. Vertical Laser Lines Switch
3. ON / OFF Button & Rotation Speed Setting
4. Pulse Mode Button
5. LCD Display
6. Laser Window
7. Pendulum / Transit Lock
8. Counterclockwise rotation button
9. Clockwise rotation button
10.Battery Unlock Button Buckle
11.Battery
12.Type - C Charging Port
13. Manual rotation knob
14. 1/4"-20 Threaded Mount ( W03CG / W03DG / W04CG )
15. 5/8"-11 Threaded Mount ( W03CG )



# Safety Instructions

Please read thoroughly and comply with the Safety Instructions and User Manual before using this product. Failure to read and follow may void the warranty.

**WARNING!**
CLASS II LASER PRODUCT
COMPLIES WITH 21 CFR 1040.10 AND 1040.11
Max. Power Output: <1mW
Wavelength: 505nm-660nm
**LASER RADIATION:**
**DO NOT STARE INTO BEAM.**
**DO NOT DIRECT EYE EXPOSURE.**
**AVOID VIEW WITH OPTICAL INSTRUMENTS.**

IEC/EN60825-1:2014

**ATTENTION:**

Read all instructions prior to operating this laser tool. Do not remove any labels from tool.

• While the product is in operation, be careful not to expose your eyes to the emitting laser beam (Green light source). Exposure to a laser beam for an extended time may be hazardous to your eyes.

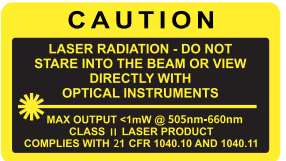
• Do not attempt to view the laser beam through optical tools such as telescopes as serious eye injury may result.

• Do not disassemble or modify the laser in any way. Modifying the tool may result in hazardous Laser Radiation Exposure.

• Do not operate the laser around children or allow children to operate the laser. Serious eye injury may result.

• An exposure to the beam of a Class 2 laser is considered safe for a maximum of 2 seconds. Eyelid reflexes will normally provide adequate protection.

• The following label/print samples are placed on the product to inform of the laser class for your convenience and safety.




RoHS Made in China CE FC UK CA

## User Guide, Maintenance and Care

• When not in use please power OFF the tool and place the pendulum lock in OFF position.

• The laser tool is sealed and calibrated at the plant to the accuracy specified.

• It' s recommended to carry out an accuracy check before its first use and periodic checks during future use especially for precise layouts.

• Do not touch the glass window in case leaving any fingerprint on the window, which may affect the performance of the laser.

• Do not store the laser tool in direct sunlight or expose it to high temperatures. The housing and some internal parts are made of plastics and may become deformed at high temperatures.

• Exterior plastic parts may be cleaned with a damp cloth, NEVER use solvents. Use a soft, dry cloth to remove moisture from the tool before storage.

• Store the tool in its case when not in use. If storing for extended time, remove batteries before storage to prevent possible damage.

• Do not dispose of this product with household waste.

• Always dispose of batteries per local code.

• Please recycle in line with local provisions for the collection and disposal of electrical and electronic waste under the WEEE Directive.

# Charging and Battery Safety

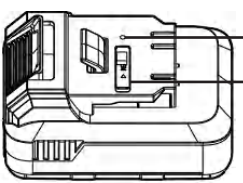
Please read thoroughly and comply with battery safety instructions and attention before charging.
Fail to read and follow may result in personal injury, fire, and property damages if the battery is charged and/or used improperly.

**Battery Installation:**
Push the battery into the groove at the end of the laser tool. When disassembling, press the battery unlock button buckle(10) and pull out the battery.

**Charging:**

**Method 1: Charging when battery is installed into the laser tool**
Connect the Type-C Charging Port(12) on the laser level to the power supply.

**Method 2: Charging the battery independently**
There is a type-C charging port on the battery. When charging, the power indicator on the battery will light up in red. When charging is completed, the power indicator will turn green.




※ **Note:**
When connecting the power supply, the laser tool can work properly without battery.

**Attention:**

- DO NOT SHORT CIRCUIT. Short circuits may cause fire, and injury!
- Do not charge unattended.

• Do not disassemble, or modify the battery.

• Keep the battery away from children, and pets.

• Immediately discontinue use of the battery if the battery becomes abnormal/ deformed (emits an unusual smell, feels hot, changes color or shape, or appears abnormal in any other way). Please contact the manufacturer to replace it.

• Never charge or store the batteries inside your car. Extreme temperatures (low or high) might ignite the battery, and cause a fire.

• Do not place the battery in high-pressure containers, microwave ovens, or on induction cookware.

• Do not carry, or store the batteries together with hairpins, necklaces, or other metal objects.

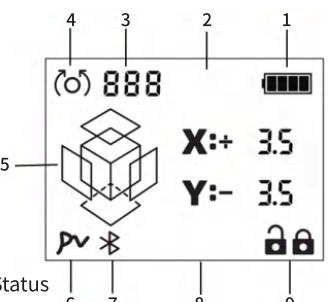
• On (battery electrolytes) exposure to skin, flush with water immediately. If eye exposure occurs, flush with water for 15 minutes, and seek emergency care immediately.

## LCD Display

**Icons on LCD Display:**

**A. Icons Introduction**

1. Battery Level
2. X Axis Tilt Angle
3. Rotation Speed
4. Rotation Direction
5. Composition of Laser Lines
6. Pulse Mode Icon
7. Bluetooth Icon
8. Y Axis Tilt Angle
9. Pendulum Locked & Unlocked Status



**B. Battery Level Icon on LCD Display:**

• After power on, the battery level icon will be displayed on the LCD display to indicate different battery status and battery level.

• When battery is low and needs to be charged, the icon will display and flash.

• During charging, the icon will scroll.

• When charging is complete, the icon will display.

• The laser tool is able to work while being plugged in directly even if taking out the battery, and the icon will display.

**C. Pendulum Locked & Unlocked Status:**

• **Pendulum Unlocked:** When the self-leveling mode is activated, the icon will be showed on the LCD display

• **Pendulum Locked:** When the manual / tilt mode is activated, the icon will be showed on the LCD display.

**D. Pulse Mode Icon:**

• When switch to Pulse Mode, the icon will be showed on the LCD display.

• When return back to Normal Mode, the icon will disappear from the LCD display.

**E. Rotation Function Status:**

• After power on, the Rotation Speed 3(Max Speed) will be showed on the LCD display in default.

• When adjusting the rotation speed, the corresponding speed will be showed on the LCD display

• When the device is rotating, the rotation direction or will be showed on the LCD display accordingly .

**F. Bluetooth Icon**

• When Bluetooth connected, the icon will be showed on the LCD display.

• When Bluetooth non-connected, the icon will disappear on the LCD display.

# Operation

**Turn ON the laser tool:**

A. Method 1: Turn ON the Self-leveling Mode:

• Slide the pendulum to the ON Position to turn ON the laser tool, the self-leveling mode is activated by default.

• When the laser tool is within the self-leveling range(4.0° ± 1°), the laser tool is self-leveling. The laser beam(s) blink fast and laser tool will beep as well when the tool is out of self-leveling range.

B. Method 2: Turn ON the Manual / Tilt Mode:

• When the pendulum in Locked Position, press and hold for ⩾ 2 seconds to turn ON the laser tool, the manual mode is activated by default.

• The laser beam(s) will blink about every 3-5 seconds to notify the user it is not self-leveling now.

• Under manual mode, users can position the laser tool at various angles.

※ Note:

• Please notice the laser beam(s) projected in manual mode cannot be used as a horizontal or vertical reference in nature.

• The pendulum lock and unlock status icon ( or ) will be displayed on the LCD and Huepar APP/APK software page to indicate that it is currently in self-leveling mode or manual mode.

**Turn OFF the laser tool:**

A. If the laser tool is in Self-leveling Mode:

• Slide the pendulum to the Locked Position to turn OFF the laser tool.

B. If the laser tool is in Manual Mode:

• **Method 1:** Slide the pendulum to the Unlocked Position, and then slide the pendulum again to the Locked Position to turn OFF the laser tool.

• **Method 2:** When the pendulum is in the Locked Position, press and hold for ⩾ 2 seconds to Turn OFF the laser tool.

C. Automatic Power OFF:

• In Manual Mode, when all laser lines are switched OFF, the laser tool will **Automatically Turn OFF** after about 5 minutes of inactivity.

※ Note:

• The laser level can only be turned off when the pendulum in its Locked Position.

• If all laser lines are switched OFF while the laser tool is still powered ON, the laser tool will beep every 30 seconds to remind the laser tool that it is not turned OFF.

• Please note if all laser lines are switched OFF, while the LCD display or LED indicator is not turned off, the laser tool is not turned OFF.

**Lines Switching:**

After power on, all laser beams will be on by default.

• Short press H to switch the horizontal line(s).

• Short press V to switch the vertical lines.

**Pulse Mode (Use with Laser Receiver):**

• With the pulse mode on, the laser tool can work with the laser receiver for working in a brighter environment or a larger working distance.

• When working with the laser receiver, please turn on the pulse mode in advance.

• **Switch to Pulse Mode:** Turn on the laser tool, short press the Pulse Mode Button to switch to Pulse Mode. The laser beams are dimmer in pulse mode.

• **Return Back to Normal Mode:** Short press the Pulse Mode Button again to return to Normal Mode. The laser beams will be recovered.

※ **Note:**

• When switching between Pulse Mode and Normal mode, the laser beam(s) will blink fast as a reminder.

• Pulse mode icon will be displayed on the LCD display when switch to pulse mode, and will disappear from the LCD display when return back to the normal mode.

### Rotation function

• Turn ON the laser tool, the device turning speed will be the Max(level 3) by default.

• Short press to adjust the rotating speed from Max to medium, then to Min in turn.

• Press , the unit will rotate clockwise.

• Press , the unit will rotate counterclockwise

## Remote Control

### Overview

1.ON / OFF Button

2.Variable Rotation Speed Button

3.Switch Horizontal Line(s)

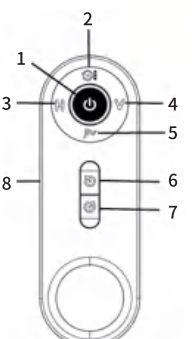
4.Switch Vertical Lines

5.Pulse Mode Button

6.Clockwise Rotation Button

7.Counterclockwise Rotation Button

8.Type-C Charging Port



**Turn ON / OFF & Connect:**

• Press ⏻ and hold for ≥ 2 seconds to turn ON the remote control.

• Turn on the remote control when the laser tool is on, the remote control will match and connect with the laser tool automatically.

• Press ⏻ and hold for ≥ 2 seconds to turn OFF the remote control.

※ **Note:**

• If the connection fails, please turn off the remote control and laser tool, then restart them to restore the connection.

• The laser tool is able to connect two Bluetooth remote controls at the same time.

• Please understand that due to the pendulum locking design, the laser tool cannot be turned on or off by the remote control. The self-leveling and manual mode cannot be switched via the remote control.

**Function Operation:**

A. Lines Switching:

• Short press H to switch the horizontal line(s).

• Short press V to switch the vertical lines.

B. Pulse Mode:

• Short press PV to switch to Pulse Mode and return back to normal mode.

C. Switch OFF the laser lines:

1. If the laser tool is in Self-leveling Mode:

Short press ⏻ to temporarily switch off all the laser lines, the laser tool is not turned OFF. Short press any button on the remote control to wake up the laser tool for working again.

2. **If the laser tool is in Manual Mode:**

Short press ⏻ to switch off all the laser lines, the laser tool will **Automatically Turn OFF** after about 5 minutes of inactivity. Within 5 minutes, users can short press any button on the remote control to wake up the laser tool for working again.

※ **Note:** The laser level can only be turned off when the pendulum in its Locked Position.

**D. Rotation function Control**

• Short press to adjust the rotating speed from Max to mdeium, then to Min in turn.

• Press , the unit will rotate clockwise.

• Press , the unit will rotate counterclockwise.

**Indicator on Remote Control:**

A. Connect and Match:

• During the connecting and matching the Bluetooth remote control with the laser tool, the indicator will flash in green per second.

• Once connected, the indicator will light up in green continuously.

• If the connection fails after more than 1 minute, the remote control will automatically turn off, and the indicator will light off.

B. Operation:

• After the remote control connected successfully, when pressing any button, the indicator will flash once in green every time you press it.

• When the remote control is not operated within 5 minutes, the indicator will flash in green every 4 seconds, and the remote control enters low power consumption mode. Press any button to resume normal operation.

C. Battery and Charging:

• When the power is low, the indicator will flash in red twice per second. The remote control can still work until the power is exhausted and turn off automatically, and the indicator will light off.

• During charging, the indicator will flash in red.
• When charging is complete, the indicator will light up in green continuously.

## Huepar Bluetooth APP/APK

**Connect the laser tool to Bluetooth APP/APK:**

**Step 1:** Download Huepar APP/APK

Method 1: Scan the QR code

Method 2: Search "Huepar" in iPhone App Store or Google Play

Method 3: Click the link: http://xwayserver.pairlink.com.cn/79813391439

**Step 2:** Turn on Bluetooth on your phone

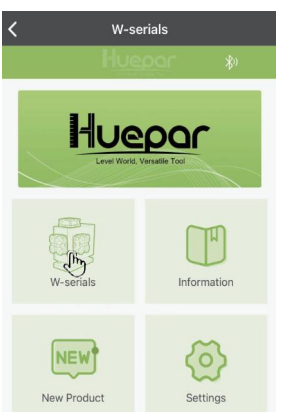
**Step 3:** Power on the laser tool

**Step 4:** Open Huepar APP/APK software

**Step 5:** Complete the Bluetooth match and connection with the laser tool

- If the connection fails, please exit the APP/APK software and restart the APP/APK software to restore the connection.
- The laser tool can connect two phones at the same time, whether on Android or iOS.

**Step 6:** Click "W Series" to enter the operation interface



**Function Introduction:**

1.Smart Pendulum Lock Status: The unlocked or locked icon indicates the status of the pendulum.

2.Bluetooth Connection Status

3.Laser Tool Status Reminder: Under self-leveling mode, icon (3) will be displayed as reminder if the tool is beyond self-leveling range.

4.Click the icon ⏻ once to switch ON / OFF all laser lines in one click:

- **In Self-leveling Mode**, when click the icon ⏻ , all laser lines will be switched OFF temporarily while the laser tool remains powered on. When moving the laser tool, the laser beam(s) will blink fast to remind you the laser tool has not been powered off.
- **In Manual Mode**, when all laser lines is switched OFF by clicking the icon ⏻ , the laser tool will Automatically Turn OFF after about 5 minutes of inactivity. Click the icon ⏻ within 5 minutes again will reactivate the laser tool.
- To turn off or store the laser tool, please be sure to slide the pendulum to the locked position.

5.Battery Status: When Li-ion battery installed, icon 75% will be displayed. When no battery installed, icon ✕ will be displayed.

6.The composition of laser lines

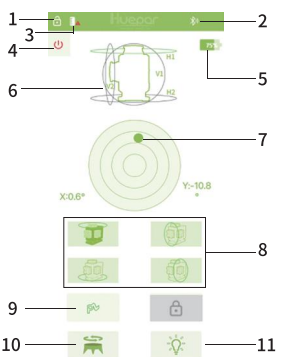
7.Bubble Level

8.Different compositions of different laser lines

9.Switch ON/OFF the pulse mode

10.Rotation function

11.Variable Laser Brightness Adjustment




**Note:**

• Do not use the laser tool with Bluetooth in the vicinity of gas stations, chemical plants, areas where there is danger of explosion and areas subject to blasting.

• Please read thoroughly and comply with the Safety Instructions and User Manual of the laser tool.
• Do not use the laser level with Bluetooth in airplanes. Do not use the laser level with Bluetooth in the vicinity of medical devices(eg., cardiac pacemakers, hearing aids). This may cause interference.
• The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Huepar is under license.

## Specifications

| | |
|---|---|
| Model | Green Beams |
| Laser Class | Class 2 (IEC/EN60825-1/2014), <1mW |
| Laser Wavelength | 510-530nm |
| Leveling Accuracy | ±3mm/10m(±1/9 in. at 33 ft) |
| Leveling / Compensation Range | 4°±1° |
| Self-leveling Time | ≤4 seconds |
| Reference Working Distance ( 60-100 LUX) | ≥20m/ 66ft |
| Reference Working Distance (with Laser Detector) | ≥40m/ 130ft |
| Power Source | Li-ion Battery 11.1V(12.6V Max) 2600mAh |
| Reference Operating Time (with 11.1V/2600mAh Li-ion Battery) | W03:About 8.5 hrs<br>W04:About 6.5 hrs |
| Charging Time | About 3.5 hrs |
| Mount Size | 1/4''-20 & 5/8''-11(W03CG) |
| IP Rating | IP54 |
| Work Temperature | -10°C ~ +50°C |
| Storage Temperature Range | -20°C ~ +70°C |

※ **Note:**

• Appearance and specifications may differ due to product improvement.

• Working distance varies depending on the operating environment.

• Keep the pulse mode on when using with receiver for longer working range.

## Warranty

The laser tool passed a rigorous and comprehensive product inspection. We are confident in the quality of our products and provide excellent guarantee for professional users of the products.

**We offer One Year Warranty from date of purchase including that:**

• Proof of purchase is produced

• Service/repairs have not been attempted by unauthorized persons

• The product has not been misused

Defective products will be repaired or replaced, free of charge or at our discretion, if sent together with proof of purchase to our authorized distributor(s).

**This Warranty does not cover:**

• Faults caused by accidental damage

• The product has suffered unreasonable wear and tear

• Failure to use according to manufacturers' instructions

• Defects caused by maintenance or renovation without our authorization

• Calibration and maintenance are not included in the warranty

※ **Note:**

• We are not liable for any direct or indirect loss caused by the failure of this product beyond the scope stipulated by law.

• Repair or replacement under this Warranty does not affect the expiry date of the Warranty.

• This warranty is only applied to customers who have purchased this product, and is not permitted to transfer this warranty to any third parties.
• This Warranty shall not be altered without our authorization.

You can enjoy a 12 months limited warranty but it can be up to 24 months if you register as a member through the product registration.
Please scan the QR code to activate your priority.

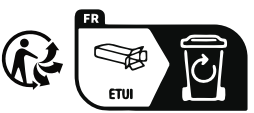
If you encounter any question or confusion about the product, please feel free to contact us: **support@huepar.com**

FCC Warning:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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Vous êtes responsable de remettre tous les appareils électriques et électroniques usagés à des points de collecte correspondants.

Pour en savoir plus:
www.quefairedemesdechets.fr

Points de collecte sur www.quefairedemesdechets.fr

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