尺寸：100*140mm,
封面是105克铜版纸，内页是85克双胶纸，
黑白印刷，
骑马钉装订。

封面

Huepar®

User Manual

360°Self-levelling Cross Line Laser Level

DG20G, DG30G
DG30GL, DG40G

English 1-18
Deutsch 19-36
Français 37-54
Italiano 55-71
Español 72-88
Русский 89-105
日本語 106-122

support@huepar.com

封底

Changzhou Leershuo Optoelectronics Technology Co.,Ltd.
www.huepar.com
Made in China

FDA CE FC RoHS

Accessories Recognition

1. Power Adapter
2. Laser Target Board (Paper Card)
3. Tripod Adapter
4. Remote Control
5. Magnet Base
6. Multifunctional Bracket
7. Tripod Extension Rod
8. Level Level Adapter
9. Carrying Bag
10. Lifting Rope
11. Laser Enhancement Glasses GLD33/LS30
12. Laser Level Protective Cover
13. Laser Level Holding Base (PC)
14. Laser Level Holding Base (Metal)
15. 1.4m Tripod 5/16in
16. 1.4m Tripod 1/4in
17. 1.2m Aluminum Flat Head Construction Tripod 5/8in

Accessory Name	DG20G	DG30G	DG30GL	DG40G
1	√	√	√	√
2	√	√	√	√
3	√	√	√	√
4	√	√	√	√
5	√	√	√	√
6	√	√	√	√
7	√	√	√	√
8	√	√	√	√
9	√	√	√	√
10	√	√	√	√
11	√	√	√	√
12	√	√	√	√
13	√	√	√	√
14			√	
15		√		√
16	√		√	
17				√
Q.ty	1Set	1Set	1Set	1Set

Please prepare appropriate accessories according to the model you purchased. Please contact us if the accessories you need are not in the package.

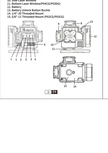
Thank you for purchasing Huepar 360° Self-levelling Cross Line Laser Level!
Before using the product, please read this manual thoroughly to ensure proper use.

Contents

- Product Overview
- Safety Instructions
- Charging and Battery Safety
- Operation
- Remote Control (Optional)
- Huepar Bluetooth APP(APK)(Optional)
- Specifications
- Warranty

Product Overview

1. Top. Medium Laser Line Switch
2. Top Laser Line Switch
3. Front Laser Line Switch
4. Power Switch
5. Power Indicator
6. Left Laser Line Switch
7. Tilt Lock Switch
8. Tilt Lock Indicator
9. Right Laser Line Switch
10. Slide Laser Window
11. Battery Compartment(PC/PC0DG)
12. Battery
13. Battery Cover Locking Button Buckle
14. 1/4", 5/8" Threaded Mount
15. Battery Compartment (Metal)(PM0DG)



Safety Instructions

Please read thoroughly and comply with the Safety Instructions and Warranty Policy. Failure to comply with these guidelines may void the warranty.

General Safety Instructions

WARNING
READ ALL SAFETY INSTRUCTIONS
Failure to follow safety rules may result in serious personal injury.
Total Power Output: 1.5W
Laser Wavelength: 515-525nm
LASER RADIATION
AVOID EYE OR SKIN EXPOSURE
DO NOT STARE INTO THE BEAM.
CLASS 2 LASER PRODUCT
IEC60825-1:2014

Avoid enhancement aids for operating the laser level. Do not remove any warning labels.

- While the product is in operation, be careful not to expose your eyes directly to the laser beam. Do not point the laser beam at people or other reflective surfaces at eye level.
- Do not attempt to view the laser beam through optical tools such as telescopes or other enhancement aids.
- Do not disassemble or modify the laser or any case. Modifying the product may result in hazardous laser radiation exposure.
- Do not operate the laser around children or allow children to operate the laser without adult supervision.
- Do not place the laser in a place that is considered safe for a maximum of 2 seconds. Rashed reflexes will normally provide protection against injury.
- The following statements and symbols are placed on the product to indicate the laser class and to describe the laser and safety.

Charging and Battery Safety

Please read thoroughly and comply with battery safety instructions. Failure to comply may void the warranty.

Use only the battery and charger that are designed for this product. Improperly

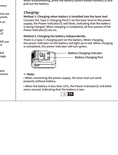
Battery Installation

Push the battery into the groove at the rear of the laser tool. When disassembling, press the battery unlock button (buckle) (2) and remove the battery.

Charging

Method 1: Charging when battery is installed into the laser tool - Connect the laser tool to a standard USB port or a USB power supply. For Type-C(DG30GL/DG40G), ensuring that the battery is installed in the laser tool, connect the Type-C port to the Power Indicator(1) on the

Method 2: Charging the battery in the battery compartment
- Remove the battery from the battery compartment. When charging, the power indicator on (4) battery will light up in red. When charging is complete, the indicator will turn off.



Note:
- When connecting the power supply, the laser tool can work from the battery (battery).
- When the battery is less than 15%, the Power Indicator(5) will blink every second. Indicating the battery is low. Please

Attention:
- DO NOT SHORT CIRCUIT. Short circuits may cause fire, and injury!
- Do not charge unattended.
- Do not attempt to modify the battery.
- Keep the battery away from children, and pets.
- Immediately discontinue use of the battery if the battery becomes deformed, discolored, overheated, emits odor, leaks, or shows changes such as shape, or appears abnormal in any other ways. Contact the seller for assistance.
- Never charge or store the battery inside your car.
- Do not expose the battery to high or low temperatures, and extreme or sudden changes in temperature.
- Do not place the battery in high pressure containers, microwave ovens, or pressure cookers.
- Do not carry, or store the batteries together with hairpins, necklaces, coins, keys, or other metal objects.
- Do not let the battery short-circuit by itself, and there must be no short-circuit between the positive and negative terminals of the battery, and avoid contacting your hand/skin/body.

Operation

Turn ON the laser tool
Method 1: Turn ON the Laser Manual: TIS Mode:
- Slide the protector to the Locked Position to turn ON the laser tool, the laser tool will enter TIS Mode.

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

Note:
- When the battery is less than 15%, the Power Indicator(5) will blink every second. Indicating the battery is low. Please

A. Method 2: Turn ON the Self-levelling Mode:
- Slide the protector to the Unlocked Position (or tilt the laser tool, the self-levelling mode is activated by default.

- The laser tool will automatically self-levelling angle ±5°, the laser tool will self-levelling. The laser beam(2) Cross line and laser beam(3) will stop as well when the laser tool is self-levelling range (±5°).

Turn OFF the laser tool
- Slide the switch button to the Middle position to turn OFF the laser tool.

Automatic Power OFF:
- In manual mode, when all laser lines are switched OFF, the laser tool will automatically turn OFF after about 5 minutes.

Note:
- Do not carry, or store the batteries together with hairpins, necklaces, coins, keys, or other metal objects.
- Do not let the battery short-circuit by itself, and there must be no short-circuit between the positive and negative terminals of the battery, and avoid contacting your hand/skin/body.

Laser Switching:
- **Short press Top. Medium Laser Switch will tilt on by default.**
- Short press Top. Medium Laser Line Switch(1) to switch the top (0) laser line on/off in the Vertical Laser Beam Mode.
- Short press Side Laser Line Switch(6) to switch the vertical line of the Horizontal Laser Beam on/off in the Horizontal Laser Beam.
- Short press Front Laser Line Switch(3) to switch the vertical line of the Horizontal Laser Beam on/off in the Horizontal Laser Beam.

Pulse Mode (Use with Laser Receiver):
- Pulse mode is used to increase the laser beam visible distance 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 level, short press the Pulse Mode button, the laser beam will flash in Pulse Mode. The laser beams are denser in pulse mode.
- **Return Back to Normal Mode:** Short press the Pulse Mode button again, the laser beam will return to Normal. The beam speed will be faster.

Tilt Lock:
- When switching between Pulse Mode and Normal mode, the laser beam will turn OFF for about 1 second.

- The Pulse Mode (Indicator) will light up in blue when switch to Pulse Mode, and light off when return back to Normal Mode.

Horizontal Laser Beams Accuracy Check
- Place the laser tool on its flat and secure it on the wall using a tripod or other fixtures, ensure the vertical beams of the laser tool are perfectly aligned with the wall.

- Mark the cross point between the laser tool vs. wall. Leave the laser tool on the tripod and rotate the laser tool 180° along the axis, then mark 2 with the cross point on the ceiling or wall 2.

- Make a line from 1 to 2 and 3 to 4 on the wall or ceiling. If the cross point is within the range of ±3mm, the laser tool is in the horizontal accuracy.

Vertical Laser Beams Accuracy Check
- Place the laser tool on its flat and secure it on the tripod or other fixtures, ensure the vertical beams of the laser tool are perfectly aligned with the wall.

- Mark the cross point between the laser tool vs. wall. Leave the laser tool on the tripod and rotate the laser tool 180° along the axis, then mark 2 with the cross point on the ceiling or wall 2.

- Make a line from 1 to 2 and 3 to 4 on the wall or ceiling. If the cross point is within the range of ±3mm, the laser tool is in the vertical accuracy.

Ceiling Height	Standard
3m	±3mm
5m	±5mm
10m	±10mm

Orthogonal check
- Place the laser tool on the equipped bracket, and then place it on the flat ground, and lock it on the side vertical laser beam.

- Mark a point 3 along the laser tool on the floor, and then mark a point 4 along the laser tool on the floor. Place the laser tool on 3 on the floor. Re-aimed the laser tool to point 4.

- Mark a point 5 along the laser tool on the floor, and then mark a point 6 along the laser tool on the floor. Place the laser tool on 5 on the floor. Re-aimed the laser tool to point 6.

- Make a line from 3 to 4 and 5 to 6. If the cross point of the two lines is within the range of ±3mm, the laser tool is in the orthogonal accuracy.

Note:
- Do not stare at the laser beam at a short distance.
- Do not point the laser beam at people or other reflective surfaces at eye level.
- Do not use the laser beam as a substitute for a level.
- Do not use the laser beam in direct sunlight or expose it to high temperatures or extreme or sudden changes in temperature. Do not place and may become deformed at high temperatures.
- Exterior plastic parts may be cleaned with a damp cloth. Alcohol can be used to clean the lens. Do not use other solvents or abrasive cleaners.
- Wipe the lens in the sure when not in use. If storing for extended time, remove batteries before storage to prevent possible damage.
- Do not attempt to disassemble or modify the product.
- Always dispose of batteries per local rules.
- Please recycle in line with local provisions for the collection and disposal of electrical and electronic waste under the WEEE Directive.

B. Method 1: Turn ON the Self-levelling Mode:
- Slide the protector to the Unlocked Position (or tilt the laser tool, the self-levelling mode is activated by default.

- The laser tool will automatically self-levelling angle ±5°, the laser tool will self-levelling. The laser beam(2) Cross line and laser beam(3) will stop as well when the laser tool is self-levelling range (±5°).

Turn OFF the laser tool
- Slide the switch button to the Middle position to turn OFF the laser tool.

Automatic Power OFF:
- In manual mode, when all laser lines are switched OFF, the laser tool will automatically turn OFF after about 5 minutes.

Note:
- Do not carry, or store the batteries together with hairpins, necklaces, coins, keys, or other metal objects.
- Do not let the battery short-circuit by itself, and there must be no short-circuit between the positive and negative terminals of the battery, and avoid contacting your hand/skin/body.

Laser Switching:
- **Short press Top. Medium Laser Switch will tilt on by default.**
- Short press Top. Medium Laser Line Switch(1) to switch the top (0) laser line on/off in the Vertical Laser Beam Mode.
- Short press Side Laser Line Switch(6) to switch the vertical line of the Horizontal Laser Beam on/off in the Horizontal Laser Beam.
- Short press Front Laser Line Switch(3) to switch the vertical line of the Horizontal Laser Beam on/off in the Horizontal Laser Beam.

- Both the horizontal laser beam and the position of mark 1 again the horizontal laser beam.

- Measure the offset of mark 1 and mark 2 on the wall. The offset value should be less than 3mm.

- If the offset value is more than 3mm, the laser tool should be returned to the service center for repair.

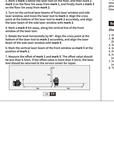
Ceiling Height	Standard
3m	±3mm
5m	±5mm
10m	±10mm

Orthogonal check
- Place the laser tool on the equipped bracket, and then place it on the flat ground, and lock it on the side vertical laser beam.

- Mark a point 3 along the laser tool on the floor, and then mark a point 4 along the laser tool on the floor. Place the laser tool on 3 on the floor. Re-aimed the laser tool to point 4.

- Mark a point 5 along the laser tool on the floor, and then mark a point 6 along the laser tool on the floor. Place the laser tool on 5 on the floor. Re-aimed the laser tool to point 6.

- Make a line from 3 to 4 and 5 to 6. If the cross point of the two lines is within the range of ±3mm, the laser tool is in the orthogonal accuracy.



	DG20G	DG30G	DG30GL	DG40G
Horizontal Accuracy	±3mm	±3mm	±3mm	±3mm
Vertical Accuracy	±3mm	±3mm	±3mm	±3mm
Orthogonal Accuracy	±3mm	±3mm	±3mm	±3mm

Different models have different Bluetooth and function classes. Please confirm the model you purchased according to the label on the laser level. If you have any questions, please contact the dealer.

Remote Control (Optional)

Overview

1. Receiver Indicator
2. Receiver Adjustment Button
3. Top Upgraded Sensor, for TIS/ Sensor Mode
4. Top Laser Switch
5. Front Mode Button
6. Top Laser Switch Upgraded version
7. Left Tilt Sensor
8. Left Laser Switch Upgraded version
9. Left Tilt Sensor
10. Type-C Charging Port

Turn ON / OFF & Connect
- Press ⏻ continuously for 2 seconds to turn ON the remote control.

- Turn on the remote control when the laser tool is on, the remote control will automatically connect to the laser tool automatically.

- Press ⏻ continuously for 2 seconds to turn OFF the remote control.

Note:
- When the battery falls, please turn off the remote control and laser tool, then restart them to restore the connection.
- The remote control is able to connect to a maximum of two laser levels at the same time.
- The remote control can be used in the Bluetooth connection mode. The laser level cannot be turned on or off by the remote control in this mode.
- The self-levelling and manual mode cannot be switched on the remote control.

Function Operation:
A. Cross Switch:
- Short press ⊞ to switch the horizontal Device.
- Short press ⊞ to switch the vertical line.

B. Pulse Mode:
- Short press Pulse ⏻ to switch to Pulse Mode and return back to normal mode.

C. Switch Off the laser line:
- Short press ⏻ to switch to Standby Mode.
- Short press ⏻ to temporarily switch off all the laser lines. The laser beam will turn off, the remote control will still be in the connection mode, it will make up the laser tool for working again.

D. Switch the Tilt Sensor ON / OFF:
- Short press ⊞ to switch off all the laser lines, the laser tool will automatically switch to the manual mode. Short press ⊞ again to automatically turn OFF all the laser lines.

- Short press ⊞ continuously for 2 seconds to switch the remote control to make up the laser tool.

Note: The laser level can only be turned off when the production is in connection/mode.

Indicator on Remote Control
A. Connect and Match:
- Connect the remote control to the Bluetooth remote control with the laser level. Blue and red will blink in green at second.

- Connection success: Blue and red will blink in green at second.
- If the connection fails after more than 1 minute, the remote control will automatically turn off, and the indicator will light off.

B. Operation:
- When the remote control is connected successfully, while pressing any button, the indicator will flash once in green every time one press. If the remote control is not connected, the indicator will flash red.
- The indicator will flash in green every 5 seconds, and the remote control is connected successfully, the remote control will work in the receive normal operation.

C. Low Power Alarm:
- When the remote control is in the mode and will flash in red every second. The remote control can still work with the power.
- When the remote control is in the mode and will flash in red in half a second. The remote control can not work with the power.
- When charging, the indicator will flash in red.
- When charging is complete, the indicator will light up in green.

Huepar Bluetooth APP(APK)(Optional)

Connect the laser tool to Bluetooth APP(APK)
- Search Huepar Bluetooth APP(APK) in Google Play / App Store or scan the QR code below to download the APP.
- Open the APP, click "Bluetooth" to enter the Bluetooth Connection Interface.

Step 1: Power on the laser tool.
Step 2: Open the Bluetooth function of your cellphone.
Step 3: Complete the Bluetooth search and connection with the laser level.
- Click "Bluetooth" to search the Bluetooth signal of the APP, and select the laser level (Name: DG20G/DG30G/DG30GL/DG40G) to connect.
- The laser level can connect two phones at the same time, and the connection can be disconnected.
- Click "Disconnect" to cancel the connection.

Function Introduction:
1. Bluetooth Connection Status
2. Laser Level Bluetooth Name
3. Bluetooth Connection Button

1. Laser Level Status Reminder: under self-levelling mode, over 15 will be displayed as reminder if the level is beyond self-levelling range.
2. Click the icon ⊞ mode to switch the 1/0/F of laser lines or one laser line.
3. **Self-levelling Mode,** when click the icon ⊞, all laser lines will be turned on, and the laser level will be in the self-levelling mode (powered on. When moving the laser level, the laser beam(2 will blink in green and the laser level will be in self-levelling mode.
4. **Manual Mode,** when all laser lines is switched OFF by clicking the icon ⊞, the laser level will be in manual mode (the laser beam will blink in red. Under manual mode, the laser level can be positioned at various angles.

- To turn off or save the laser level, please be sure to slide the protector to the locked position.

Note:
- Bluetooth connection distance: Unobstructed: ≤10m ⊞ will be displayed. When the signal is weaker, ⊞ will be displayed.
- Bluetooth connection: Only one mobile phone can be connected.
- The composition of laser lines.
- Battery.
- Different compositions of different laser lines.
- Switch ON/OFF the pulse mode

Note:
- Please place the laser level with Bluetooth in the circuits of gas stations, chemical plants, pharmaceutical factories or hospitals.
- Please read thoroughly and comply with the Safety Instructions and Warranty Policy.
- Do not use the laser level with Bluetooth in airplanes. Do not use the laser level with Bluetooth in other places that may cause harm (e.g., cardiac pacemakers, hearing aids). This may cause interference.
- Do not use the laser level with Bluetooth in environments where connecting Bluetooth WLL, and any use of such equipment may cause harm.

Specifications

Model	Green Beams	Red Beams
Laser Diode	515-525nm, 1.5mW	635-650nm, 1.5mW
Laser Wavelength	515-525nm	635-650nm
Levelling Accuracy	±3mm/10m (±1/8 in at 32 ft)	
Levelling Compensation Range	5°-5.5°	
Self-levelling Time	4.5 seconds	
Operating Temperature	14-104°F	
Bluetooth 4.0 LE	Bluetooth 4.0 LE	
Bluetooth Connection Distance	≤10m(no wall)	
Battery	2 AAA(no cell)	
Power Source	Li-ion Battery 3.7V(2.4V-4.2V)	
Reference Operating Time	20(Standard 1/4in)	
Charging Time	2.5(Standard 1/4in)	
Charging Port	Type-C	
Wood Size	1/4", 5/8" & 1/4", 1.5	
IP Rating	IP54	
Operating Temperature	14°F - 104°F	
Storage Temperature	-14°F - +140°F	
Working Humidity	0%-90%	

- **Note:**
- Specifications 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

Warranty
The laser level passed a rigorous and comprehensive product inspection before leaving the factory. We provide a 365-day price-protection guarantee for professional users of the products.

We offer One Year Warranty from date of purchase including that of accessories, subject to the following exclusions:
- Normal/expected wear and tear attributed by unauthorized persons.
- The product has not been returned.
- Accessories and consumables are not replaced, free of charge or at authorized Huepar Service Centers with proof of purchase in our authorized Huepar Service Centers.

The Warranty does not cover:
- Damage caused by improper storage
- The product has different pressure/pole wear and tear.
- Failure to use according to manufacturers' instructions.
- Damage 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 the product beyond the scope stipulated by law.
- Our warranty commitment does not affect the legal rights of the Warranty.
- Huepar reserves the right to modify the terms of the product warranty policy and the warranty commitment. The warranty is only applicable to products that are purchased through authorized channels.

- This Warranty shall not be altered without our authorization.

You can enjoy a 12 months limited warranty but if you register your product online within 30 days of purchase through the customer registration. Please scan the QR code below to register online.

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

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

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.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20 cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.