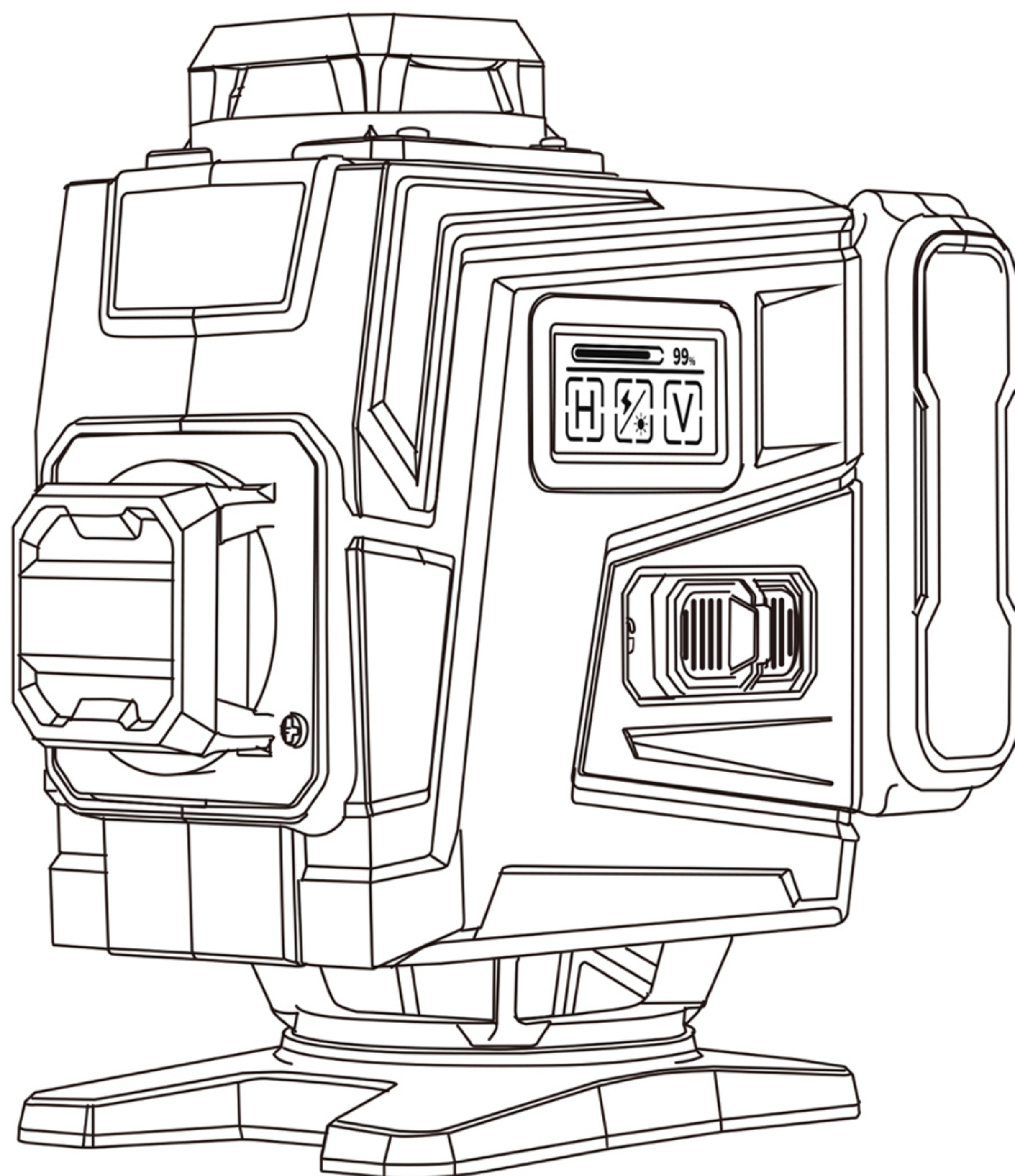


# **WilDora**

## **Laser Level**

**Product Operation Manual**



# **LK-820**

## PURPOSE

The laser level is designed for processing and controlling vertical and horizontal lines at a distance of up to 30 m.

It is used during construction and renovation work to align elements relative to each other and the ground.

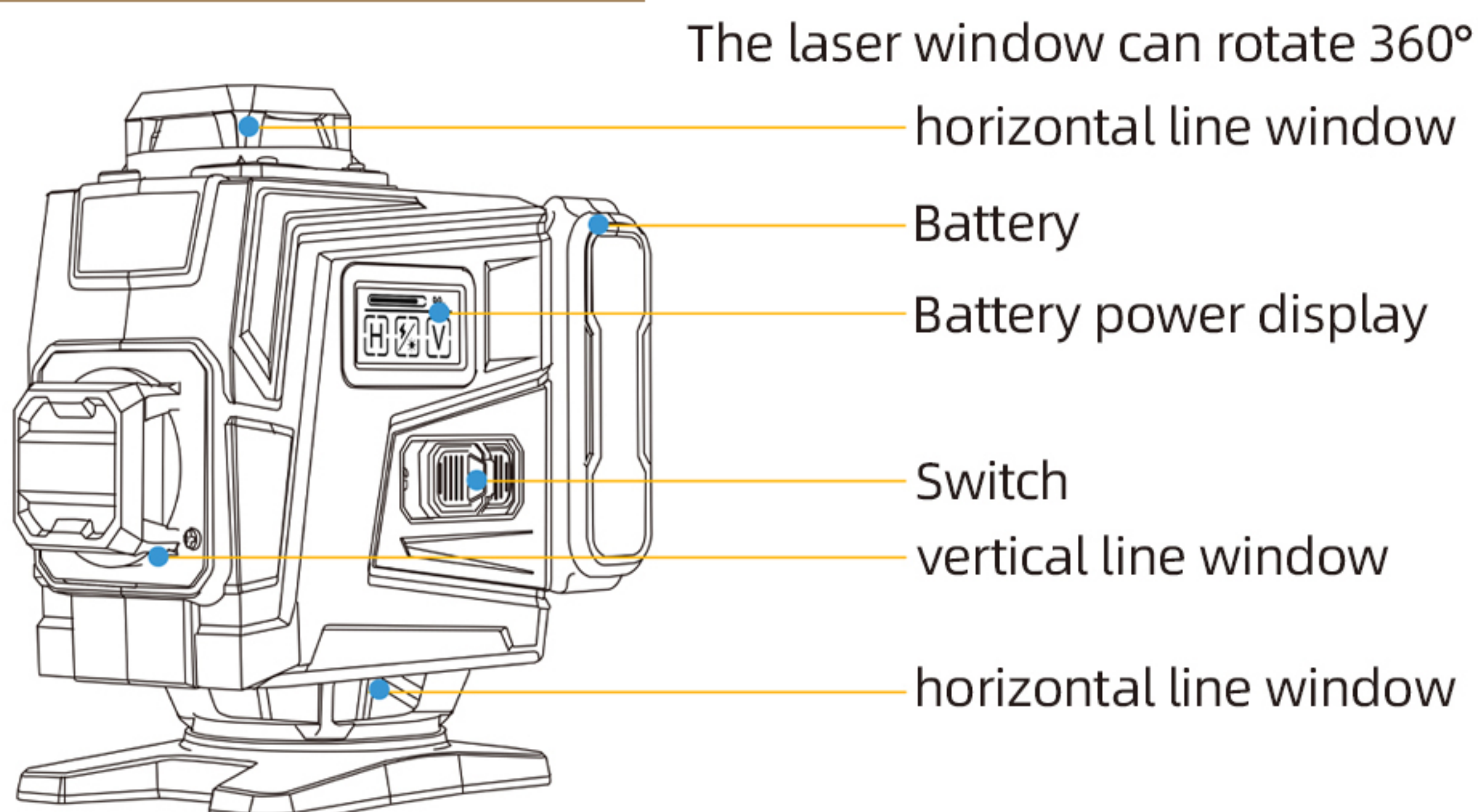
This laser level is used for the following works:

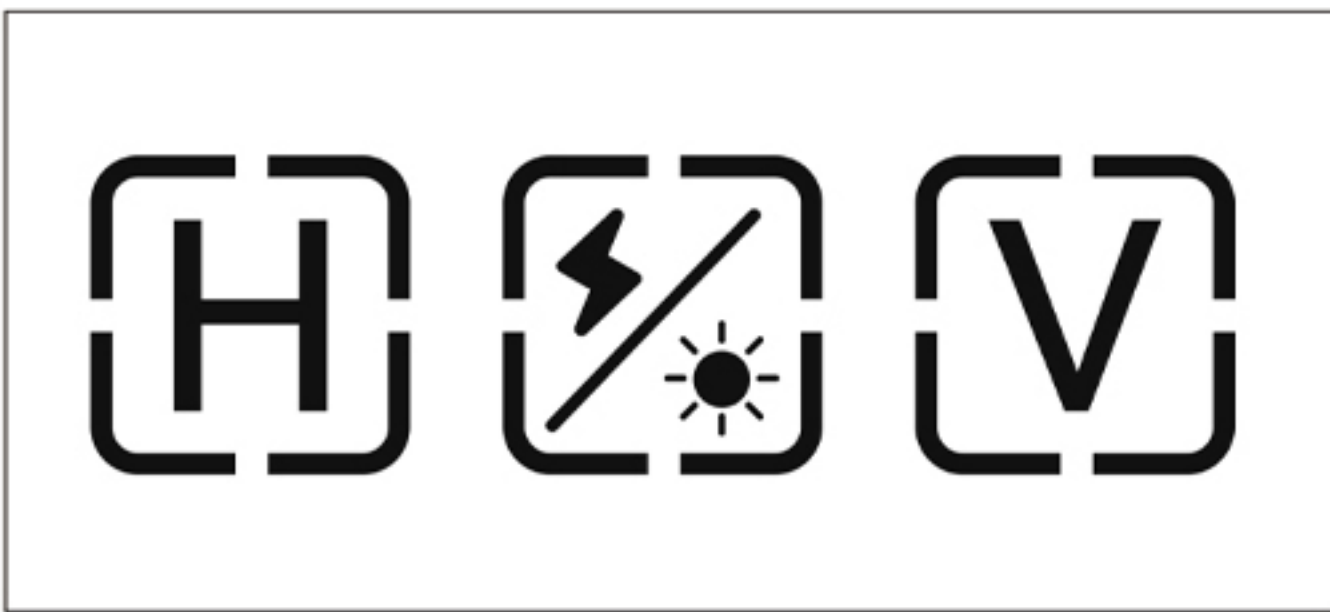
- .Laying floor and wall facing tiles;
- .Interior finishing;
- .Installation of window frames;
- .Installation of suspended ceilings;
- .Installation of wall-mounted fixtures: sockets, switches, lighting fixtures, etc.

## TECHNICAL CHARACTERISTICS

|                                                                   |
|-------------------------------------------------------------------|
| Product name: 4D 16-line laser level                              |
| Projection range without receiver: 30 m                           |
| Automatic leveling range: $\pm 3^\circ$                           |
| Laser wavelength: 515 nm (green light)                            |
| Laser class: II                                                   |
| Accuracy: $\pm 1$ mm at 16.5 m                                    |
| Waterproof class: IP 54                                           |
| Operating temperature: $-10^\circ\text{C} \sim +45^\circ\text{C}$ |
| Charger adapter input: AC 110-240V 50-60 Hz                       |
| Output: DC 5V 2A (Type C)                                         |
| Battery: 2 lithium-ion batteries * 4800 mAh (2 * 4800 = 9600 mAh) |

## LASER DIAGRAM





Button H: Horizontal  
line switch

Button V: Vertical  
line switch

 Button: Brightness adjustment (default: maximum brightness when turned on).

First press: light dims.

Second press: light flashes.

Third press:

Hold for 2-3 sec. to enter slope mode;

Hold again for 2-3 sec. to exit slope mode.

Charging process:

The charger has an indicator:

red when charging, green when fully charged.

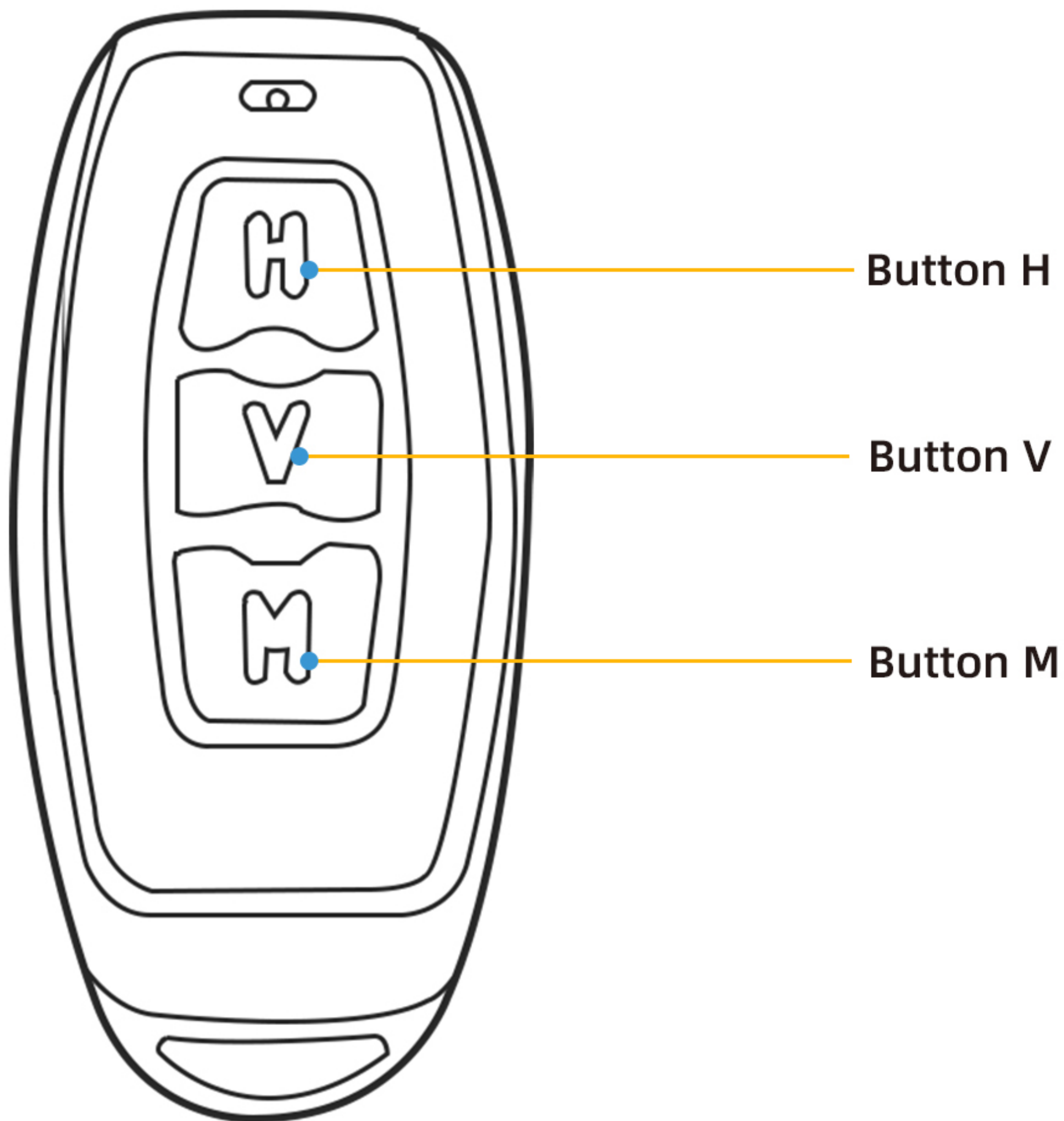
## REQUIREMENTS FOR WORKING WITH RECHARGEABLE BATTERIES:

- ① Rechargeable batteries should be charged using the charger specified by the manufacturer (supplied in the kit).
- ② The device should only be powered by rechargeable batteries compatible with this model and recommended by the manufacturer. Using any other batteries may cause a fire hazard.
- ③ If the rechargeable battery is not in use, it should be stored separately from the laser level and metal objects.  
Short-circuiting the battery terminals may cause burns or a fire.
- ④ Do not disassemble the rechargeable battery, as this may cause a short-circuit hazard, which can lead to fire or explosion.
- ⑤ Protect the rechargeable battery from exposure to high temperatures, prolonged direct sunlight, and fire.

## OPERATION

- \* Do not operate the device under direct sunlight, high temperature, or high humidity conditions.
  - \* Do not subject the laser level to impact.
  - \* Do not disassemble the laser beam source.
- Responsibility for any consequences of improper use.

# REMOTE CONTROL INSTRUCTIONS



**Button H:** Horizontal  
line switch

**Button V:** Vertical  
line switch

**Button M:** Brightness adjustment (default: maximum  
brightness when turned on).

First press: light dims.

Second press: light flashes.

Third press:

Hold for 2-3 sec. to enter slope mode;

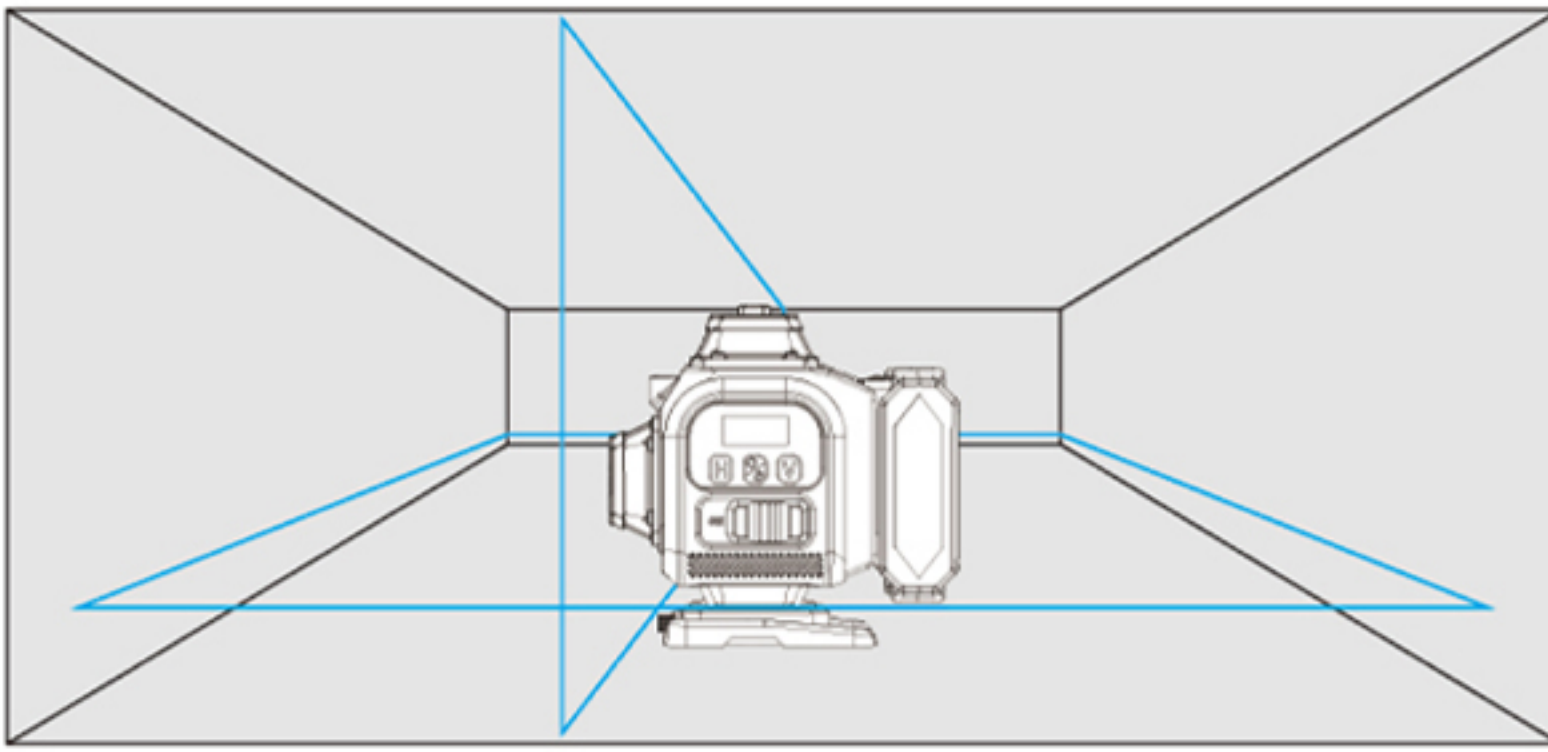
Hold again for 2-3 sec. to exit slope mode.

Charging process:

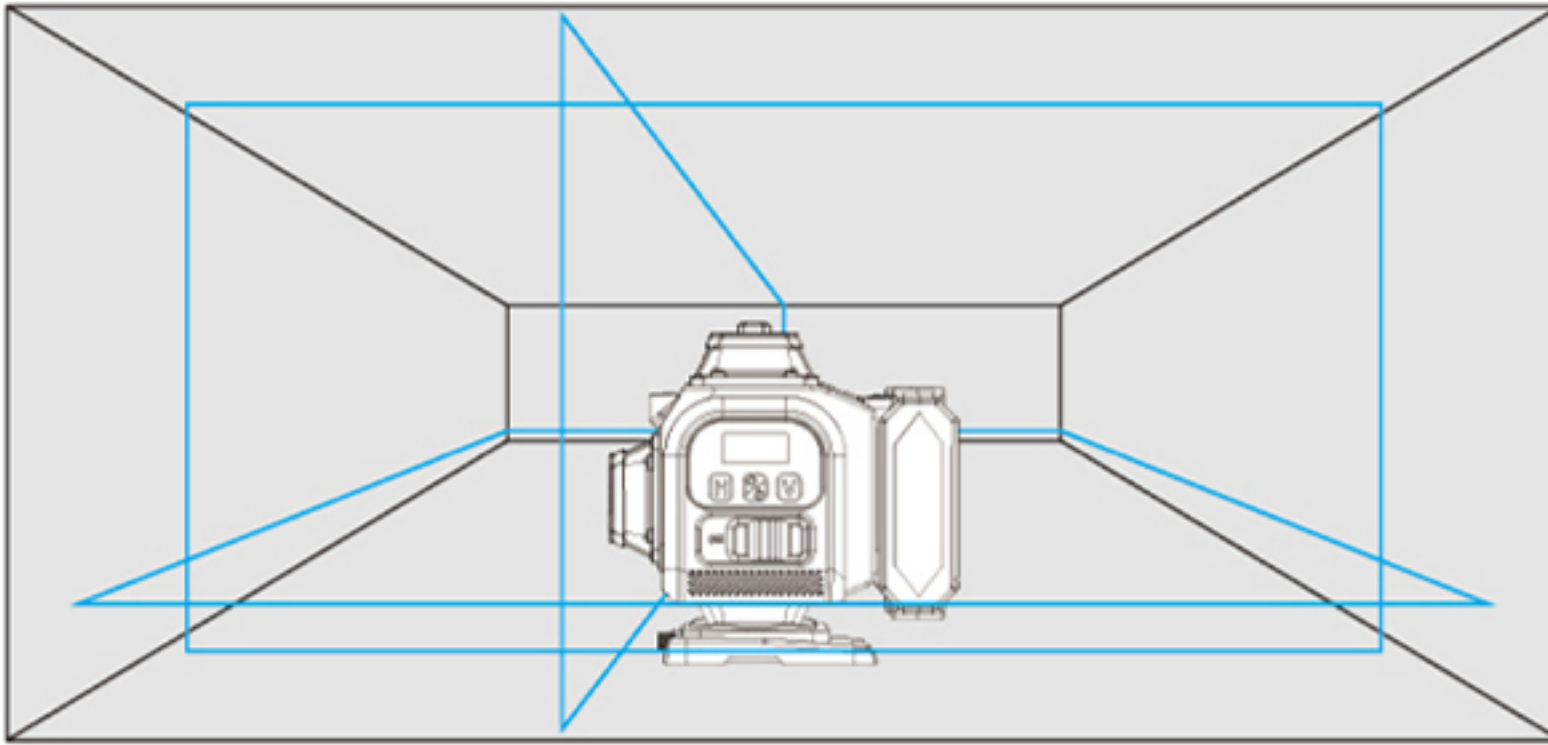
The charger has an indicator:

red when charging, green when fully charged.

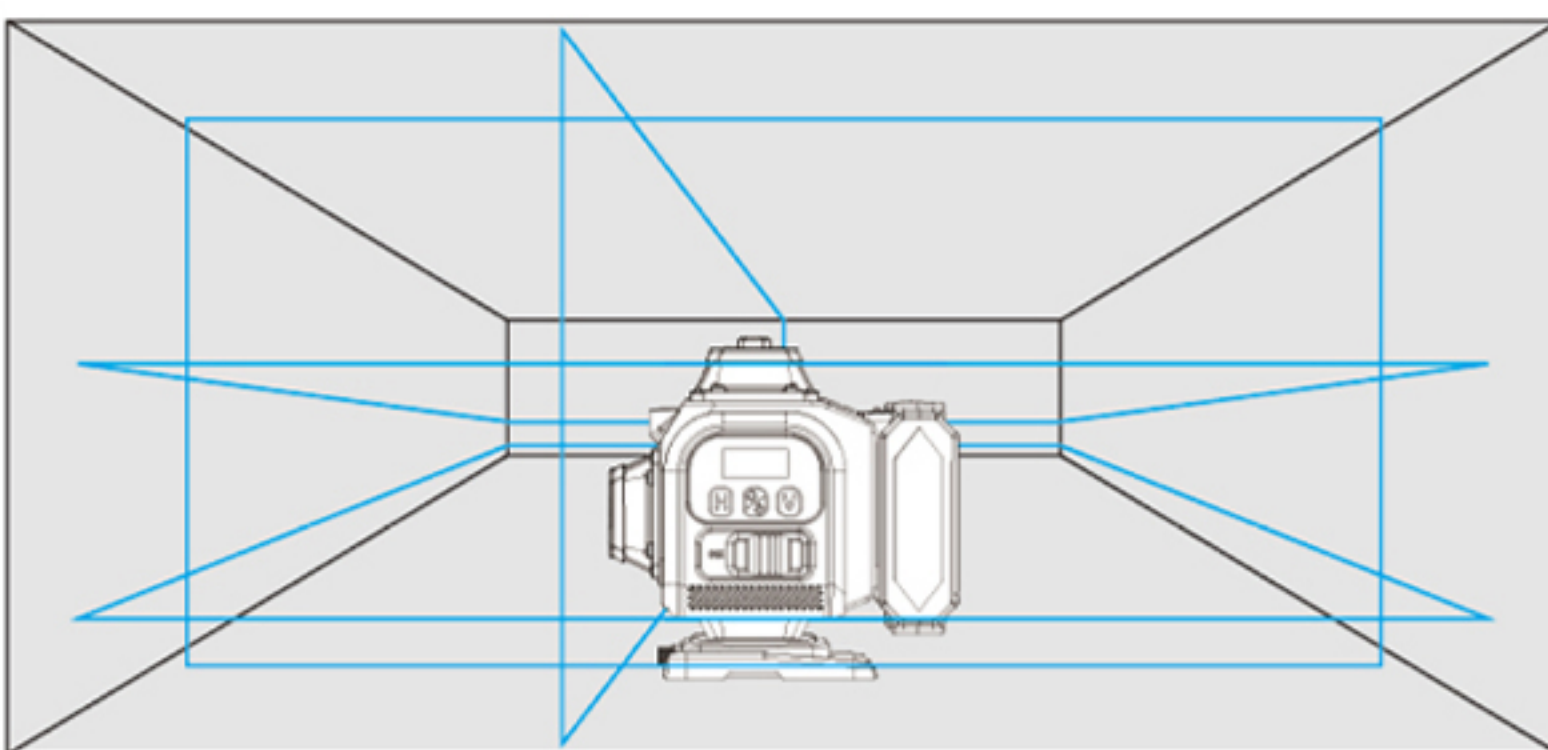
# LASER PROJECTION



**8 lines 3D**



**12 lines 3D**



**16 lines 4D**

## CHARACTERISTICS:

- ① The laser tilts at  $\pm 3^\circ$  and automatically levels.
- ② Audible alarm for incorrect setup;
- ③ Magnetic base ensures fast line leveling;
- ④  $360^\circ$  rotating base with adjustment mechanism allows convenient laser positioning;
- ⑤ Can be used with a tripod to adjust the laser's working height.

## PRECAUTIONS:

- ① Direct sunlight must not fall on the laser beam.
- ② Class 2 laser crystals, harmless to humans;
- ③ Do not press or vibrate the laser. It should be stored in a ventilated, dry, heat-insulated, fireproof warehouse.
- ④ Contact with corrosive substances is strictly prohibited.
- ⑤ Handling and use of the product must be gentle; do not drop it.

# **DAILY MAINTENANCE AND CARE**

## **1.Daily Maintenance**

- 1.Please store the laser in a dry, well-ventilated, dust-protected place at a constant temperature.
- 2.Please wipe the glass of the housing frequently to ensure light transmission.
- 3.If the bearing is not used for a long time, regularly release the stopper for half an hour to allow the bearing to swing freely.

## **2.Attention**

- 1.Please read this manual carefully before using the instrument.
- 2.Check the points and horizontal/vertical lines before each use; otherwise, construction errors caused by inaccurate laser lines are not the responsibility of our company.
- 3.During use, lock the instrument's stop switch and keep the instrument dry at all times.
- 4.After using the instrument on wet and rainy surfaces, wipe it dry and place it in a ventilated area for complete drying before packing.
- 5.Do not use alcohol, ethanol, or other corrosive chemical solvents when wiping the instrument surface.
- 6.Please avoid strong vibration, collisions, and dropping the laser; pay attention to the locking switch after use.
- 7.If the device is not used for a long time, remove the battery.
- 8.Do not attempt to disassemble the laser yourself.

## **POSSIBLE ERRORS**

- ① After turning on the receiver switch, the bubble backlight will flash, which is a normal signal indicating the receiver is active.
- ② The laser lines flash, indicating the laser is outside the safe and horizontal range. Please place it on a level surface.
- ③ If the laser line is blurred, wipe the glass cover with a clean cotton cloth.

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.

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

NOTE: 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.

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

