

GAZELLE[®]

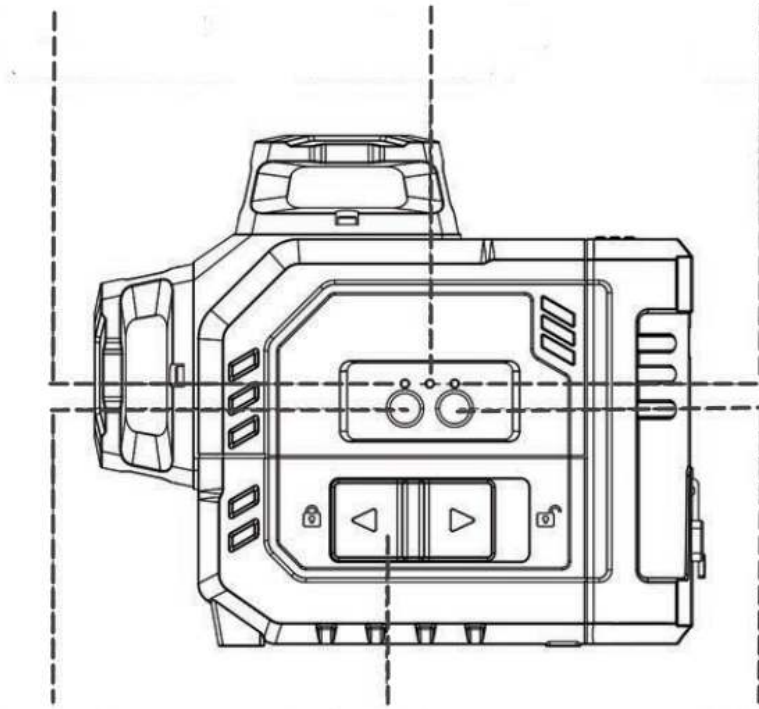
G9506-II 12-Line Laser Level User Manual



Mode Indicator

Power Indicator

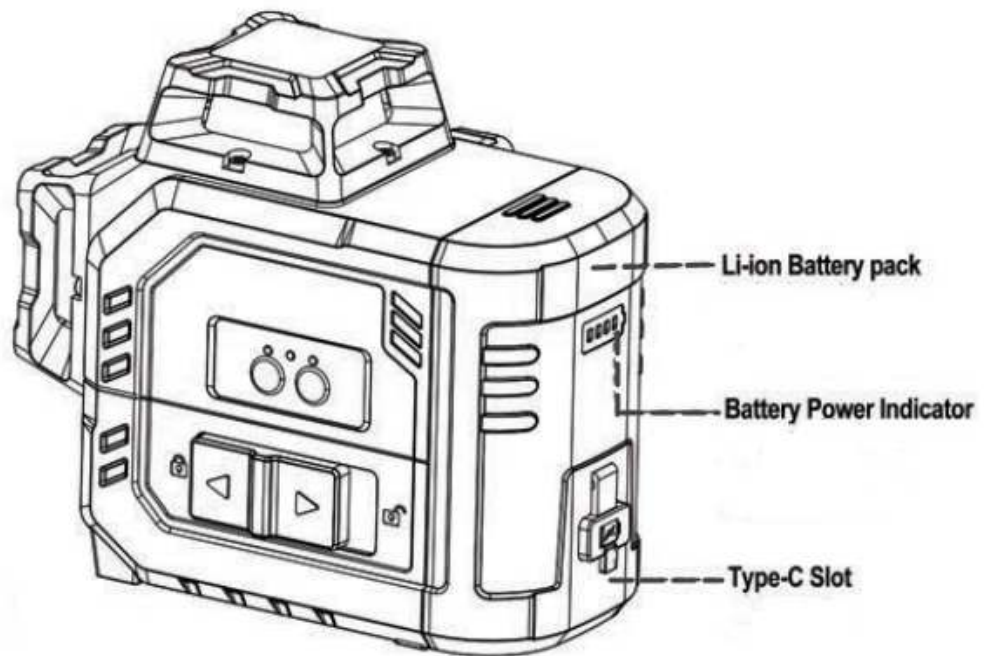
Pulse Indicator



Mode Key

Lock/Unlock

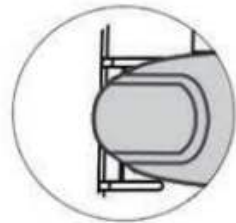
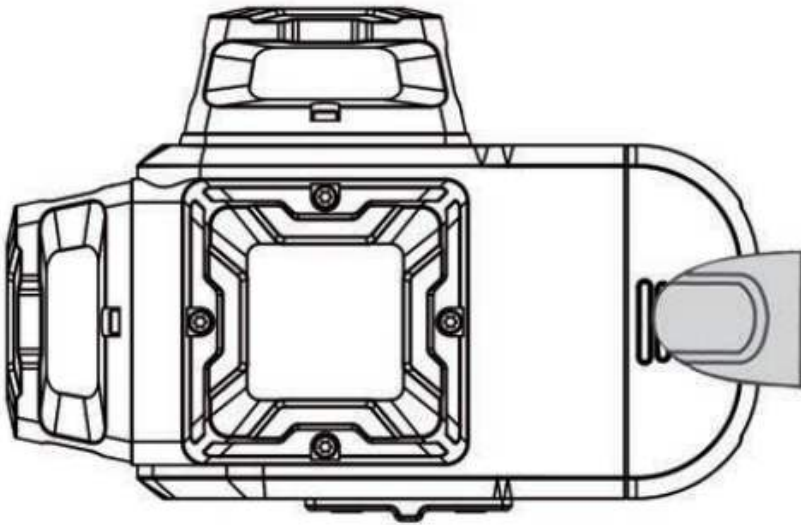
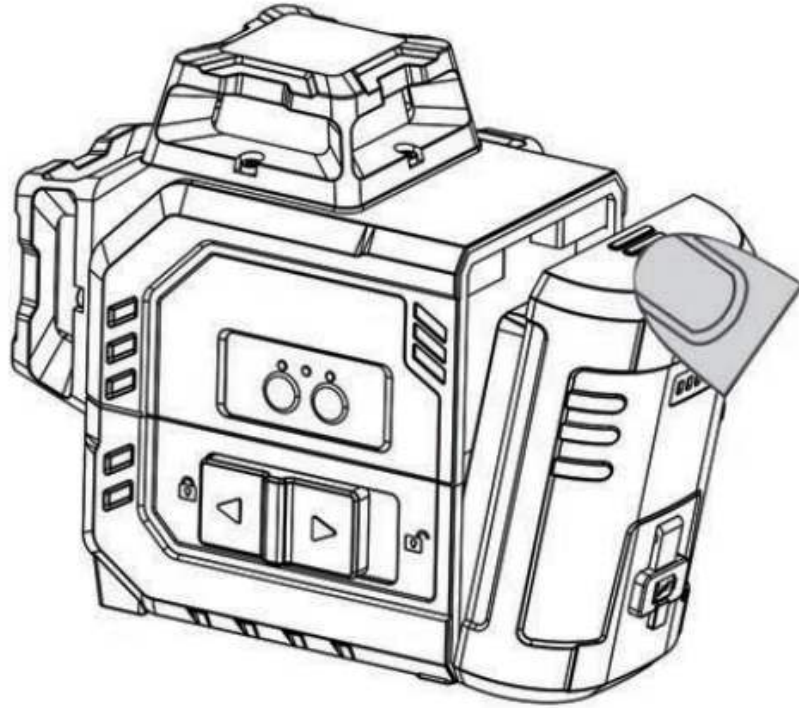
Pulse Key



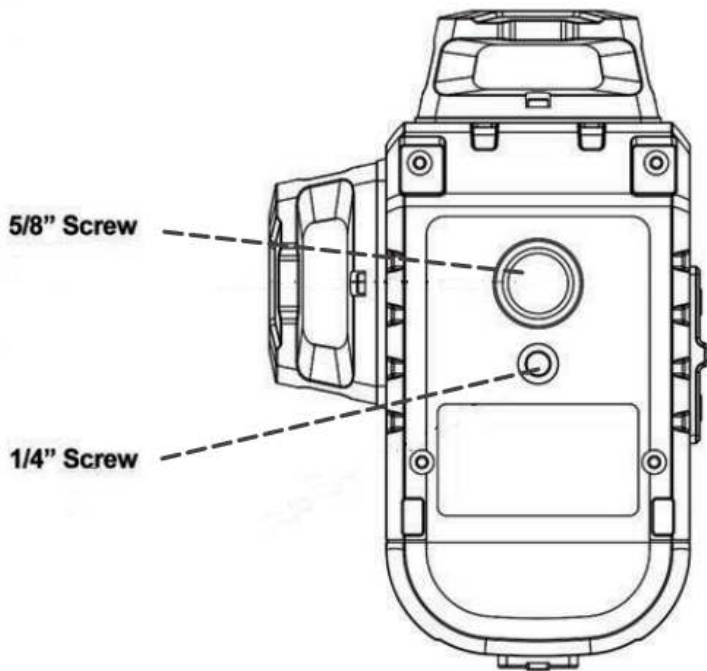
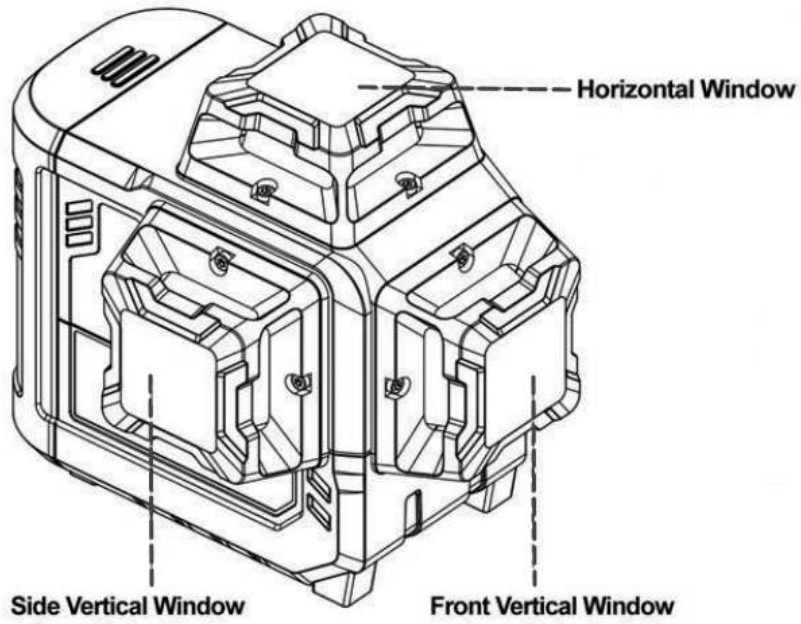
Li-ion Battery pack

Battery Power Indicator

Type-C Slot



Exit opening for laser beam





Working safely with the measuring tool is possible when the operating and safety information are read completely and the instructions contained therein are strictly followed. Save these instructions for reference.

Safety notes

- Caution - modifying or adjusting equipment can lead to dangerous radiation exposure.
- While the product is in operation, be careful not to expose your eyes to the emitting laser beam. An exposure to the beam of a Class 2 laser is considered safe for a maximum of 0.25 seconds. Eyelid reflexes will normally provide adequate protection.
- Do not stare directly into the beam or view directly with optical instruments or set up the laser at eye level.
- Have the measuring tool repaired on through qualified specialists using original spare parts. This ensures that the safety of the measuring tool is maintained.
- Do not allow children to use the laser measuring tool without supervision. They could unintentionally blind other person or themselves.
- Do not operate the measuring tool in explosive environment, such as in presence of flammable liquids, gases or dusts. Sparks can be created in the measuring tool which may ignite the dust or fumes.☒
- Do not make any modifications to the laser equipment.

Intended use

The measuring tool is intended for determining and checking horizontal and vertical lines. The measuring tool is suitable exclusively for operation in enclosed working sites.

Replacing the batteries

To open the lion battery pack, press on the latch. See picture ② for detailed information. **To replace the lion battery pack**, sound click means assembly completed.

(Note: Remove the batteries from the measuring tool when not using it for extended periods. Recharge the battery pack before use when stored for more than 6 months.)

Operation

Initial operation

- Charge the batteries at least 8 hours in the first charge.
- Always make sure the Lock Switch is on lock position during transport and storage.
- Protect the measuring tool against moisture and direct sun light.
- Do not subject the measuring tool to extreme temperatures or variations in temperature. In case of large variations in temperature, allow the measuring tool to adjust to ambient temperature before putting it into operation.
- Switch the measuring tool off and make sure the Lock Switch is on lock position during transport.

Operating modes

1. Auto Self-levelling Mode

- To switch on the measuring tool, slide the Lock Switch to **unlock** position.
- Immediately after switching on, the measuring tool sends out horizontal beam with automatic levelling range of $\pm 4^\circ$. Once the levelling is finished, the laser beams won't flash anymore. To change the laser beam, shortly press the mode key until the requested beams appear, the following sequences are available.
- To change the laser beam, short-press the mode key:

Lock Switch Position	Short Press Sequences	Horizontal Laser Line	Front Vertical Laser Line	Side Vertical Laser Line
Unlock	0	■		
Unlock	1		■	
Unlock	2		■	■
Unlock	3	■	■	
Unlock	4	■	■	■
Unlock	5	■		
Unlock	6		Repeat from 0	

- To turn off the measuring tool, slide lock switch to **unlock** position.

2. Manual Mode

In manual mode the measuring tool won't be self-levelling. It could be held by hand or placed on an inclined surface to project a rigid laser beam in any orientation.

To switch on and off the measuring tool, press and hold the mode key for more than 3 seconds.

- Immediately after switching on, the measuring tool sends out horizontal beam.
- To change the laser beam, shortly press the mode key repeatedly to cycle through the available modes. The following sequences are available.

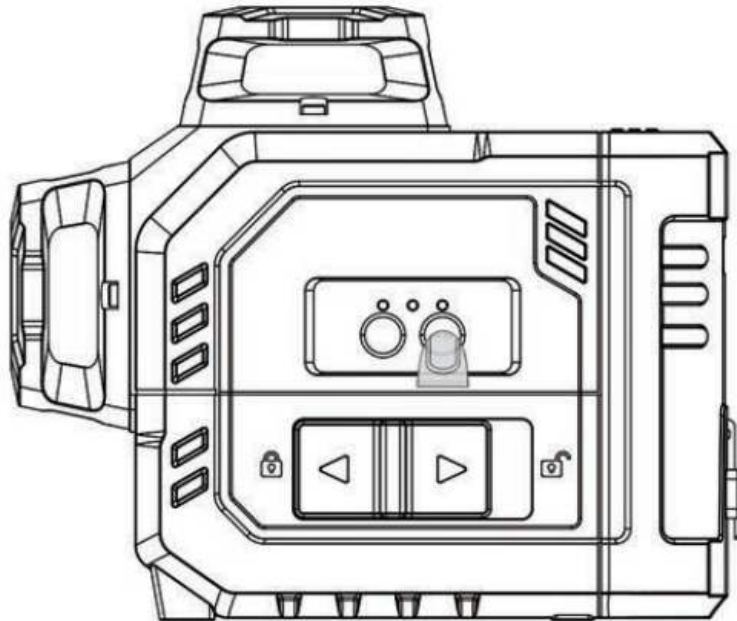
Lock Switch Position	Short Press Sequences	Horizontal Laser Line	Front Vertical Laser Line	Side Vertical Laser Line
Lock	1(>3s)	■		
Lock	2		■	
Lock	3		■	■
Lock	4	■	■	
Lock	5	■	■	■
Lock	6		Turn off	

- The laser lines flash every 5 seconds to save energy.

Pulse mode

In the pulse mode, the laser lines flash at a very high frequency and can therefore be found by the laser receiver (not included) in brighter environments or at greater working distances. Shortly press the pulse key button, the pulse mode is on. The pulse indicator light flashes. Shortly press it again to switch off the pulse mode.

(Note: When you open pulse mode, you can use a laser receiver (not included) to carry out levelling at long distances or when the laser beams are not visible)




Specifications

Model number	G9506-II
Laser type	Green laser
Laser lines	3D 12 lines
Laser class	Class 2
Laser wavelength	520 nm, <1 mw
Leveling accuracy	±0.3 mm/ m
Horizontal/Vertical accuracy	±3mm/10m
Working range (diameter), to approx.	30m
Li-ion battery pack	3 x 18650
Operating time, approx. (2pcs batteries)	With 1 Laser line : 70h (35h x 2) With 2 Laser lines : 40h (20h x 2) With 3 Laser lines : 25h (12.5h x 2)
Power source	Li-ion battery 7800Mah
IP rating	IP54
Self-levelling range, typically	± 4°
Levelling duration, typically	≤3 s
Operating temperature	-10 °C-- + 50 °C
Storage temperature	-25 °C-- + 75 °C
Relative air humidity, max.	90%
Tripod mount	1/4" and 5/8"
Weight	1.05 Kg
Dimension	139 x 118 x 99 mm

Note: The working range can be decreased by unfavourable environmental condition (e.g direct sun irradiation)

Working advice

- **Working with the laser target plate (included):** Magnetic laser target with special reflective surface enhances the visibility of green laser line when working over long distance or bright sunlight conditions. Printed scale in in. and cm.
- **Fastening with the universal holder (included):** With the universal holder, you can fasten the measuring tool. Adjust the universal holder before switching on the measuring tool. The holder must be attached to **0.5 mm steel plate** to gain enough suction.
 **Warning:** Be careful of the strong suction between the magnets, beware of finger clipping.
- **Working with the tripod (not included):** Tripod offers a stable, height adjustable measuring support. Place the measuring tool via the mount onto the 1/4" or 5/8" male thread of the tripod and screw the locking screw of the tripod tight.
- ✓ Always use the center of the laser for marking as the width of the laser line changes with the distance.

Maintenance

- Maintain and keep the measuring tool clean at all times.
- Regularly clean the surfaces at the exit opening of the laser in particular, and attention to any fluff or fibers.
- Wipe off debris using a moist and soft cloth, do not use any cleaning agents or solvents.
- Do not immerse the measuring tool in water or other fluids.
- Store and transport the measuring tool only in the supplied protection packing.
- If the laser level is unusable, it should be repaired by an authorized after-sales service. Do not open the gauge by yourself.
- In case of repairs, send the measuring tool packed in its protective packing.

One Year Warranty

GAZELLE will repair, without charge, any defects due to faulty materials or workmanship for One year from the date of purchase provided that:

- Proof of purchase is produced;
- Service/repairs have not been attempted by unauthorized persons;
- The product has been subject to fair wear and tear;
- 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).

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