

# GAZELLE®

## G9507 16-Line Laser Level User Manual



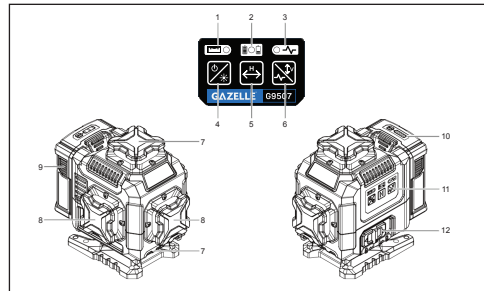
### OVERVIEW

The instrument is intended for determining and checking horizontal and vertical lines(2H2V), this instrument is suitable exclusively for operation in enclosed working sites. Before using the product, please read this user manual thoroughly to ensure correct use. This document must be kept in a safe place and if the laser instrument is passed on, this document must be passed on with it.

### FEATURE

- **The laser level body is ergonomic, comfortable to hold.**
- **Protection class:** IP54, the instrument is waterproof, shockproof and dustproof.
- **Detachable lithium battery pack.**
- **Self-leveling:** Self-level up to 4 degrees automatically, accompanied by an optical cue that exceeds the self-leveling range, the laser line flashes.
- **Manual mode:** Support for tilting laser lines manually at any angle. It is convenient for decoration or suspended ceilings etc, manually obtains slashes at any angle.
- **Pulse mode:** Work with laser detector to extend further working distance range. (The laser detector is not included and needs to be purchased separately)
- **Power saving mode:** 3 gears of adjustable brightness, adapt to different working environment brightness and reasonably extend instrument working time.
- **Power Display:** Real-time battery level display shows the residual power state.

### PRODUCT OVERVIEW



1. Self-leveling/ Manual Mode indicator
2. Battery state indicator
3. Pulse Mode indicator
4. Key Button/ Brightness adjustment button
5. Horizontal line select button
6. Vertical line select button / Pulse mode button
7. Horizontal line window
8. Vertical line window
9. Lithium battery pack
10. Battery level indicator
11. Button panel
12. Pendulum/Transit Lock
13. Type-C charging port
14. 1/4"-20 mounting thread

### SAFETY INSTRUCTIONS



Read the Safety Instructions and Manual thoroughly before using this product. All users must fully understand and adhere to these instructions. Failure to read and follow may void the warranty.

Never make warning labels on the measuring tool unrecognizable. Please DO NOT remove any safety warning labels on product!

### SAVE THESE INSTRUCTIONS.

**Caution - The use of other operating or adjusting equipment or the application of other processing methods than those mentioned here, can lead to dangerous radiation exposure. The product is permitted to use for skilled persons only.**

- Do not use the product if you are unsteady on your feet.
- While the product is in operation, be careful not to expose your eyes to the emitting laser beam. Exposure to a laser beam for an extended time may be hazardous to your eyes.
- Do not stare directly into the beam or view directly with optical Instruments, such as, but not limited to, telescopes or transits to view the laser beam, or set up the instrument at eye level. Serious eye injury could result.

Do not disassemble the laser tool. There are no user serviceable parts inside. Any repair required on this laser product should be performed only by qualified service personnel, otherwise it will result in an increase of laser emission power and unnecessary harm to human body.

Do not modify the laser tool 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 tool. They could unintentionally blind other persons or themselves.

Keep batteries out of reach of children.

Do not use the laser viewing glasses as safety goggles. The laser viewing glasses are used for improved visualization of the laser beam, but they do not protect against laser radiation.

It is forbidden to use a power supply other than the rated voltage to supply power to the instrument.

### MAINTENANCE AND CARE

When not in use please power OFF the instrument and take out the battery and place the pendulum lock in locked position.

Remove batteries if the tool will not be used for several months.

The laser tool is sealed and calibrated at the plant to the accuracy specified. It's recommended to carry out a accuracy check before its first use and periodic checks during future use especially for precise layouts.

Do not short any battery terminals or charge batteries or dispose of batteries in fire.

Keep batteries out of reach of children.

Do not store the laser tool in direct sunbeam 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. Although these parts are solvent resistant, NEVER use solvents. Use a soft, dry cloth to remove moisture from the tool before storage.

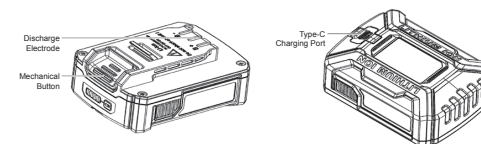
Do not dispose of this product and its batteries with household waste.

It is forbidden to immerse the instrument in water.

It is forbidden to wipe the lens with organic solvents.

### CHARGING AND BATTERY SAFETY

This product is equipped with 12V 2600mAh lithium battery pack.



Please read thoroughly and comply with battery safety instructions 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.

**Note:** Please use the included Type-C port adapter charging cable for charging. Remove the batteries from the instrument when not using it for extended periods.

Each charge time is about 4 hours, but not more than 24 hours.

When the lithium battery is out of power, it must be charged in time. When lithium batteries are stored for a long time, they must be charged before being stored to prevent the from being over-discharged and unable to be activated. low power.

If the lithium battery is not used for extended time, please charge the lithium battery once every 6 months, each charging time is not less than 4 hours.

**Note:** The battery pack needs to be loaded correctly.

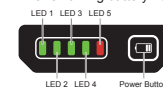
### Attention:

- Keep the battery away from children, and pets.
- DO NOT SHORT CIRCUIT. Short circuits may cause fire, and injury!
- Do not charge unattended.
- Do not disassemble, or modify the battery.
- If the instrument is not used for a long period of time, please fully charge and remove the battery. Please store the battery in a dry and room temperature environment.
- Never charge or store the batteries inside your car. Do not leave the battery near a heat source (such as a stove). 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.
- Immediately discontinue use of the battery if the battery 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.

### Replacing the batteries and Indicators

To replace the battery pack, sound click means assembly completed.

The remaining battery numerical display:



While charging, the battery level status is shown as follows:

| Battery Level  | Level 1                                                                      | Level 2  | Level 3  | Level 4  | Level 5  |
|----------------|------------------------------------------------------------------------------|----------|----------|----------|----------|
| Fully Charged  | ████████                                                                     | ████████ | ████████ | ████████ | ████████ |
| 80% - 100%     | ████████                                                                     | ████████ | ████████ | ████████ | ████████ |
| 60% - 80%      | ████████                                                                     | ████████ | ████████ | ████████ | ████████ |
| 40% - 60%      | ████████                                                                     | ████████ | ████████ | ████████ | ████████ |
| 20% - 40%      | ████████                                                                     | ████████ | ████████ | ████████ | ████████ |
| 10% - 20%      | ████████                                                                     | ████████ | ████████ | ████████ | ████████ |
| While Charging | Level 1-2-3-4-5 manifest in a marquee style, the sign flashes while charging |          |          |          |          |

Indicator in discharge/idle state while shortly pressing the power button: (During idle time, press the power button briefly to check the battery power. The indicator light will continue to light up for 20 seconds according to the following rules.)

| Battery Level | Level 1  | Level 2  | Level 3  | Level 4  | Level 5  |
|---------------|----------|----------|----------|----------|----------|
| Fully Charged | ████████ | ████████ | ████████ | ████████ | ████████ |
| 80% - 100%    | ████████ | ████████ | ████████ | ████████ | ████████ |
| 60% - 80%     | ████████ | ████████ | ████████ | ████████ | ████████ |
| 40% - 60%     | ████████ | ████████ | ████████ | ████████ | ████████ |
| 20% - 40%     | ████████ | ████████ | ████████ | ████████ | ████████ |
| 10% - 20%     | ████████ | ████████ | ████████ | ████████ | ████████ |

**Note:** When the battery is about to run out, please charge and replace the battery in time to continue using the instrument to complete the work.

### OPERATION

Before assembling the lithium battery pack correctly, please make sure the Transit Lock is at locked position. Please keep the Transit Lock at locked position during moving the instrument or storage it.

## Two methods to Turn ON/OFF the instrument

### Method One: Automatic Level

|            | Turn On                                                                           | Turn Off                                                                          |
|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Lock State |  |  |

### Method Two: Manual mode

|            | Turn On                                                                                                         | Turn Off                                                                                                        |
|------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Lock State |                                |                                |
| Key Button | Long press  >3s,<br>Power on | Long press  <3s,<br>Power on |

### Self-leveling mode

Slide the Pendulum/Transit Lock to the Unlocked Position  to turn ON the instrument, the self-leveling mode is activated by default.

- The laser beam(s) blink fast when the instrument is out of self-leveling range  $\pm 4^\circ$ . (Prompts the user in the form of an optical signal), the laser line will not stop flashing until the user places the instrument in a level position.

| Self Level Mode            | Trigger Condition         | LED Indicator                                                                                    | Laser Line Status                                     |
|----------------------------|---------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Self-leveling              | Within $\pm 4^\circ$      | OFF             | Stable in green                                       |
| Out of Self-leveling Range | Tilt beyond $\pm 4^\circ$ | Flashes in red  | The laser line flashes continuously (every 1 seconds) |

### Note:

- Slide the Pendulum/Transit Lock to the Locked Position  to turn OFF the instrument.
- In Self-leveling mode, the laser line will flash 1 time per second. (0.5 seconds on, 0.5 seconds off.)

### Manual mode:

Keep the Pendulum/Transit Lock is in the Locked Position in , press the key button  and hold it for >3 seconds to turn ON the instrument, the manual mode is activated by default.

- All laser beam flash every 6 seconds.

| Mode        | Trigger Condition                                                                                                                                                         | LED Indicator                                                                                    | Laser Line Status                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------|
| Manual Mode |  +  >3s | Stable in red  | Stable in green (flash one time every 6s) |

**Note:** Press and hold the key button  for >3 seconds, the instrument turns off --- all lasers and indicators are turned off!

### Pulse Mode (Use with Laser Detector):

Pulse mode can be activated in both Self-leveling mode and Manual mode, it is necessary to turn on the pulse mode when using with laser detector for a larger working range.

- By long press the button  for 3s, pulse mode will be activated.
- In pulse mode, the laser brightness will be adjusted to 50%.

| Pulse Mode | Trigger Condition                                                                                     | LED Indicator                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| ON         | Long press  for 3s | Stable in red  |
| OFF        | Long press  for 3s | OFF            |

**Note:** When the pulse mode is activated, the power saving mode will exit automatically!

### Power Saving Mode

Power saving mode can be activated in both Self-leveling mode and Manual mode. By selecting the appropriate brightness level according to the ambient brightness, the working time of the machine can be appropriately extended.

- When the instrument is powered on, the default brightness level is 100%.
- The brightness gear adjustment is achieved by short pressing the button .

| Short press  Sequences | Brightness gear                        |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------|
| 1st time                                                                                                  | Second gear 50%                        |
| 2nd time                                                                                                  | Third gear 25%                         |
| 3rd time                                                                                                  | First gear 100%                        |
| 4th time                                                                                                  | Restore the second gear 50% cyclically |

**Note:** When the pulse mode is activated, the power saving mode will automatically exit!

### Lines Switching:

Slide the Pendulum/Transit Lock to the Unlocked Position , the upper horizontal laser beam will be lit by default , the instrument is powered on. When the Pendulum/Transit Lock is in the Locked Position , all lines switching operations are the same.

**Shortly press H button**  **to switch the horizontal line(s):**

| Shortly press the Button  Sequences | Horizontal line display                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| One time                                                                                                               | Lower horizontal line                                |
| Two times                                                                                                              | Upper horizontal line and the Lower horizontal line  |
| Three times                                                                                                            | All horizontal lines will be extinguished            |
| Four times                                                                                                             | Upper horizontal line                                |

**Shortly press the button**  **to switch the vertical line(s):**

| Shortly press V Button  Sequences | Vertical line display                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| One time                                                                                                             | Front vertical line and the side vertical line  |
| Two times                                                                                                            | Front vertical line                             |
| Three times                                                                                                          | Side vertical line                              |
| Four times                                                                                                           | All vertical lines will be extinguished         |

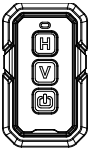
Cycle in turn...

### Shutdown memory function:

- The laser beam lighting state is memorized when the instrument is powered off. Next time the instrument is powered on, the laser beam will keep the same lighting state.
- Turn off the instrument while all laser beams are off/on, next time turn on the instrument, the laser beam will be displayed in the present the upper horizontal laser line lighting state.
- Memory disappears after removing the battery pack. The next time inserting the battery pack, the laser beam will be displayed in the upper horizontal line lighting state.

**Note:** Pulse mode state will not be memorized.  
Laser brightness gear will not be memorized.

## REMOTE CONTROL



Note: The picture of the remote control is for reference only, please refer to the actual product.

The H/V button   functions of the remote control correspond to the H/V physical button functions on the instrument.

The button  of the remote control corresponds to the function of the Key physical button on the instrument, but it does not include the function of powering on and off.

## BATTERY INDICATOR

|                                                                   |                                                                                                     |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| The remain battery power>25%                                      | Stable in green  |
| The remain battery power between 25%-15%                          | Flashes in red   |
| The remain battery power<10%, instrument automatically shuts down | Stable in red    |

## BATTERY INDICATOR

|                                                            |                                                                                            |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Model                                                      | G9507                                                                                      |
| Laser Wavelength                                           | 510-530nm                                                                                  |
| Laser Class                                                | Class 2                                                                                    |
| Horizontal/Vertical Accuracy                               | $\pm 3\text{mm}/10\text{m}$                                                                |
| Leveling                                                   | Automatic / Manual                                                                         |
| Self-leveling Time                                         | <3 seconds                                                                                 |
| Leveling / Compensation Range                              | 4'( $\pm 1''$ )                                                                            |
| Distance from wall                                         | 13 mm                                                                                      |
| Distance from ground                                       | 13 mm                                                                                      |
| Reference Working Distance (Line)                          | Green: 30M                                                                                 |
| Power Source                                               | 12V-2600 mAh Lithium battery pack                                                          |
| Reference Operating Time (Default test with all lasers on) | First gear approx. 10 hours<br>Second gear approx. 18 hours<br>Third gear approx. 30 hours |
| Battery Charging Time                                      | Approx. 4 hours                                                                            |

|                                    |                         |
|------------------------------------|-------------------------|
| IP Rating                          | IP54                    |
| Mount Size                         | 1/4"-20 mounting thread |
| Operation Temperature Range        | -20°C~+40°C             |
| Storage Temperature Range          | -20°C~+60°C             |
| Size(L×W×H)                        | 100mm × 77.3mm × 112mm  |
| Net weight(without Li-ion battery) | 0.48kg                  |

### Note:

- Appearance and specifications may differ due to product improvement.
- Working distance varies depending on the operating environment.
- It is necessary to turn on the pulse mode when using with receiver for a larger working range.

## WARRANTY

We are confident of the quality of our products and offer outstanding guarantee for professional users of the products. This statement is in addition to and in no way prejudices your contractual rights as a professional user or your statutory rights as a private non-professional user.

**We warrant our laser level(s) against faults in materials and workmanship for one year from date of purchase including 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; working range.
- Defective products will be repaired or replaced, free of charge or at our discretion, if sent together with proof of purchase to our authorize distributor(s).

### This Warranty does not cover:

- Faults caused by accidental damage
- Unfair wear and tear
- Use other than in accordance with the manufacturers' instructions or repair or alteration of this product not authorized by us.
- Calibration and maintenance are not included in the warranty.

### Note:

- Repair or replacement under this Warranty does not affect the expiry to the extent permitted by law.
- We shall not be liable under this Warranty for indirect or consequential loss resulting from faults in this product.
- This Warranty may not be varied without our authorization.
- Calibration and care are not covered by Warranty.

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