

Thank you for purchasing this Johnson Self-Leveling 360° Laser with Plumb Line featuring GreenBrite® technology. This laser includes a 360° plane of laser light as well as a vertical beam for plumb work.



This Class II laser tool complies with CRF 21 parts 1040.10 and 1040.11 as well as international safety rule IEC 285.

SAFETY INFORMATION



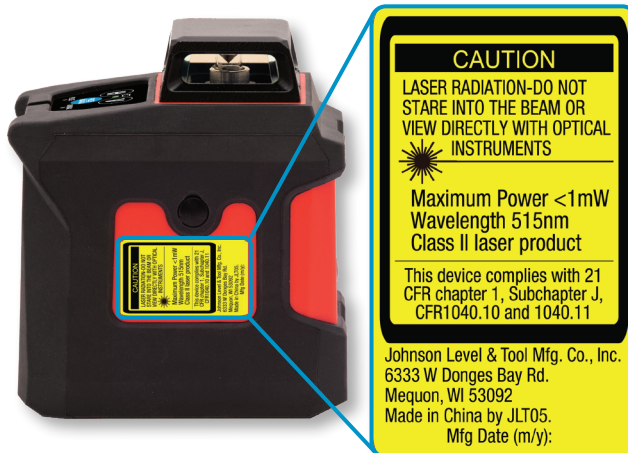
THIS TOOL EMITS LASER RADIATION. DO NOT STARE INTO BEAM. AVOID DIRECT EYE EXPOSURE.

ATTENTION:

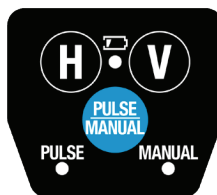
- Read all instructions before operating this tool.
- Do not remove any labels from the tool.
- Do not project the laser into the eyes of others.
- Do not set up the laser tool at eye level or operate the tool near reflective surfaces, as the beam can be projected into your eyes or the eyes of others.
- Do not place the laser tool in a manner that may cause someone to unintentionally look into the laser beam. Serious eye injury may result.
- Do not operate the tool in explosive environments, (i.e., in the presence of gases or flammable liquids).
- Keep the laser tool out of the reach of children and other untrained persons.
- Do not attempt to view the laser beam through optical tools such as telescopes. Serious eye injury may result.

- Always turn off the laser tool when not in use or when left unattended for any period of time.
- Disassembly or repair by unqualified persons will void the warranty.

SAFETY LABEL LOCATION

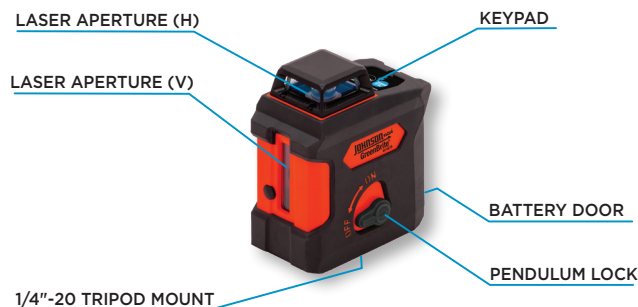


KEYPAD OPERATION



- H** Enables/disables the horizontal (360°) beam
- V** Enables/disables the vertical beam
- PULSE** Enables/disables PULSE and MANUAL modes

COMPONENT OVERVIEW



INSERTING BATTERIES

This tool comes with a Li-Ion battery and charger, or the option to use 4 AA Alkaline batteries.

To use the Li-Ion battery: Make sure the battery is charged (see CHARGING THE LI-ION BATTERY). Lift the latch on the battery door (1) and insert the battery pack (2). Press the battery door closed until the latch engages.



To use 4 x AA Alkaline batteries: Insert the batteries into the battery holder according to the indicated polarity, lift the latch on the battery door and insert the battery holder into the laser. Press the battery door closed until the latch engages.





CHARGING THE LI-ION BATTERY

To charge the Li-Ion battery, remove it from the tool by lifting the battery door latch and sliding out the battery (reverse the steps above in INSERTING BATTERIES).

Plug the charger into the battery and into 120V power until the light on the charger turns green (about 4-6 hours). While the battery is charging, the laser can be operated using the included alkaline battery compartment.

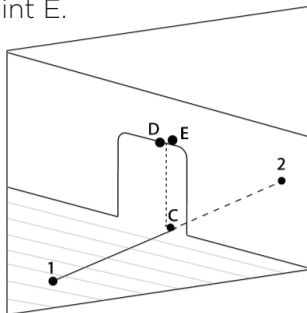


BASIC OPERATION

- Read all operating instructions prior to use.
- Power on the laser by unlocking the pendulum lock.
- Activate/disable the horizontal beam by pressing **H**. Activate/disable the vertical beam by pressing **V**.
- To use a detector (not included), activate pulse mode by pressing . The PULSE LED will illuminate.
- To operate the laser in manual mode (non self-leveling), keep the pendulum locked and press  to enter manual mode, then use **H** and **V** to power on the desired beams. The MANUAL LED will blink to indicate manual mode is engaged.
- If the laser is in self-leveling mode and is not able to self-level, both laser beams will flash and the unit will beep to alert you that it is out of level.
- If the battery is running low, the low battery indicator LED will flash. A solid red battery indicator indicates there is adequate battery life remaining.
- Store the tool in its case with the pendulum locked. For extended storage (>3 months), remove the batteries to prevent corrosion.

CHECKING VERTICAL ACCURACY

- Place the laser on the floor 10' from a doorway. Project the plumb beam through the doorway.
- Mark the beam on the floor near the tool as Point 1. Mark a spot 20' away as Point 2.
- Mark the beam directly under the doorway as Point C. Mark the beam on the doorway as D.
- Move the laser to Point 2, and aim the plumb beam directly through Point 1 and Point C.
- Mark on the doorway Point E.
- Measure the distance between Point D and Point E.
- If this distance is less than 1/16" for a 7' high doorway, then the tool is properly calibrated.



CHECKING HORIZONTAL ACCURACY

- Set the laser on a tripod 10' from all walls.
- Make a horizontal mark on the wall anywhere along the 360° line to indicate the height of the beam. Label this as Point A.
- Turn the laser 90° and mark Point B on the same spot on the wall as Point A where the beam intersects. This mark should either be directly above, below or on top of Point A.
- Repeat Step 3 twice more, labeling the marks as Point C and Point D, respectively.
- Measure the greatest vertical distance (H) between any two of the points A, B, C & D.
- If 'H' < 1/16" for walls 10' away from the tool, the accuracy of the instrument is within its specifications and no calibration is necessary. If calibration is required, please contact Johnson Level & Tool to obtain service at the address to the bottom right.

TROUBLESHOOTING

Tool does not power on or remain on

- Check battery polarity.
- Replace batteries.
- Ensure battery door is tight.
- Turn pendulum lock off, then on.
- Ensure the tool is within its self-leveling range.

Laser light is dim

- Ensure fresh batteries are being used or the Li-Ion battery pack is fully charged.
- Ensure laser is within operating temperature range.
- Ensure battery door is secure.
- Ensure laser is within self-leveling range.

Laser appears out of calibration

- Ensure pendulum is in the unlocked position.
- Has the laser been dropped or subjected to impact? It may need calibration.
- Contact Johnson Level & Tool for calibration service. The laser does not contain any user-serviceable parts.

Note: Do not disassemble; removal of any labels will void your warranty.

SPECIFICATIONS

Laser	Class II, <1mW, 515nm
Accuracy	+/- 3/16" @ 50'
Operating Range	Up to 200'
Self-Leveling Range	+/- 2.5°
Operating Temperature	14°F to 113°F
Batteries	Li-Ion (included) or 4 AA (not included)
Battery Life	7 hours
Dimensions	4.25" x 2.25" x 4.8"
Weight (laser)	11lb 5oz (with batteries)
IP Rating	IP54 (rainproof)

REGISTRATION

Please register your product within 30 days. Registration ensures you can obtain warranty service even if you lose your receipt, or so we can contact you if there is ever a product recall. We will never share your information!



Scan or click:

www.johnsonlevel.com/register

WARRANTY

Johnson Level & Tool offers a three-year limited warranty on this product. You can obtain a copy of this warranty on our website. The limited warranty contains various limitations and exclusions.

Note: The user is responsible for verifying proper calibration of this instrument before each use. If you experience problems with this product, please contact us.

In the USA:
service@johnsonlevel.com
 888-953-8357

In Canada:
 800-346-6682

On the Web:
www.johnsonlevel.com

