



Tiling/Flooring Laser Level
Model No. 40-6616



Instruction Manual

Congratulations on your choice of this Tiling/Flooring Laser Level. We suggest you read this instruction manual thoroughly before using the instrument. Save this instruction manual for future use.

This is a Class IIIa laser tool and is manufactured to comply with CFR 21, parts 1040.10 and 1040.11 as well as international safety rule IEC 285.



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1. Kit Contents

<u>Description</u>	<u>Qty.</u>
Tiling/Flooring Laser Level	1
“AA” Alkaline Batteries	2
Floor Target	1
Instruction Manual with Warranty Card	1
Soft-sided Pouch	1

2. Features and Functions

This simple-to-use tool allows you to generate two lines on the floor at 90° angles for surface layout including tile, stone, brick, carpet and hardwood flooring. Unlike lines drawn from chalk, the 40-6616 projects two laser beams over wet mastic or concrete. Angles are easily established with the built-in protractor.





3. Safety Instructions

Please read and understand all of the following instructions, prior to using this tool. Failure to do so, may void the warranty.

DANGER!

Class IIIa Laser Product
Max. Power Output: $\leq 5\text{mW}$
Wavelength: 625-645nm

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



ATTENTION



IMPORTANT

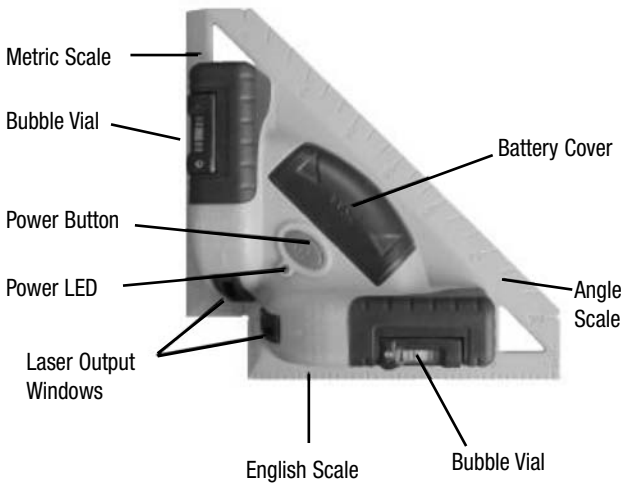
- Read all instructions prior to operating this laser tool. Do not remove any labels from tool.
- Do not stare directly at the laser beam.
- Do not project the laser beam directly into the eyes of others.
- Do not set up laser tool at eye level or operate the tool near a reflective surface as the laser beam could be projected into your eyes or into 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 as serious eye injury may result.
- Always turn the laser tool off when not in use or left unattended for a period of time.
- Remove the batteries when storing the tool for an extended time (more than 3 months) to avoid damage to the tool should the batteries deteriorate.
- Do not attempt to repair or disassemble the laser tool. If unqualified persons attempt to repair this tool, warranty will be void.
- Use only original Johnson® parts and accessories purchased from your Johnson® authorized dealer. Use of non-Johnson® parts and accessories will void warranty.



4. Location/Content of Warning Labels



5. Location of Part/Components





6. Operating Instructions

IMPORTANT: It is the responsibility of the user to verify the calibration of the instrument before each use.

Battery Installation

As shown in figure, remove the battery door and put two “AA” alkaline batteries into the battery compartment according to the polarity indicated. Snap the battery cover back into place.

Note: Used (discharged) batteries are hazardous waste and should be disposed of properly.



7. Using the Product

Press the power button. Position the laser so that it's appropriate for your application needs. If necessary, align the laser beam(s) with a reference point(s). The freestanding target increases the beams' visibility. Use the laser beams as line references.





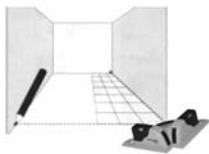
Establishing Common Angles

1. Mark the point on the floor where the laser beams would intersect (point A).
2. Using the angle scale as a guide, mark the point on the floor that corresponds to the angle you want to establish (point B).
3. Rotate the laser so that the 0° angle scale is on point B. Make sure that the laser beams still intersect at point A.

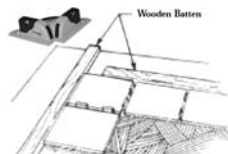
Increasing the Beams' Visibility

The laser beams' visibility can be increased when working in really bright conditions, such as working near window openings or outside walls.

1. Work toward the laser.
2. Use the target.
3. Use laser glasses (not included).



Checking Precision Angles



Installing Tile



Squaring Walls





8. Technical Specifications

Laser Wavelength	635nm \pm 10
Laser Classification	Class IIIa
Maximum Power Output	\leq 5mW
Accuracy	\pm 1/4"/60 ft. (\pm 4mm/m)
Interior Range	Up to 30 ft. (9m) depending upon light conditions
Power Supply	2 "AA" alkaline batteries (included)
Battery Life	Approx. battery life 30 hours continuous use
Dimensions	6 1/8" x 6 1/8" x 1 15/16" (155 x 155 x 50mm)
Weight	0.55 lbs. (0.25 Kg)
Working Temperature	14°F to 113°F (-10°C to +45°C)





9. Care and Handling

- This laser unit is a precision tool that must be handled with care.
- Avoid exposing unit to shock vibrations and extreme temperatures.
- Before moving or transporting the unit, make sure that the unit is turned off.
- Remove the batteries when storing the unit for an extended time (more than three months) to avoid damage to the unit should the batteries deteriorate.
- Always store the unit in its case when not in use.
- Avoid getting the unit wet.
- Keep the laser unit dry and clean, especially the laser output window. Remove any moisture or dirt with a soft, dry cloth.
- Do not use harsh chemicals, strong detergents or cleaning solvents to clean the laser unit.

10. Product Warranty

Johnson Level & Tool offers a three year limited warranty on each of its products. You can obtain a copy of the limited warranty for a Johnson Level & Tool product by contacting Johnson Level & Tool's Customer Service Department, as provided below, or by visiting our web site at www.johnsonlevel.com. The limited warranty for each product contains various limitations and exclusions.

Do not return this product to the store/retailer or place of purchase. Non-warranty repairs and course calibration must be done by an authorized Johnson® service center or Johnson Level & Tool's limited warranty, if applicable, will be void and there will be NO WARRANTY. Contact one of our service centers for all non-warranty repairs. A list of service centers can be found on our web site at www.johnsonlevel.com or by calling our Customer Service Department. Contact our Customer Service Department for Return Material Authorization (RMA) for warranty repairs (manufacturing defects only). Proof of purchase is required.





NOTE: The user is responsible for the proper use and care of the product. It is the responsibility of the user to verify the calibration of the instrument before each use.

For further assistance, or if you experience problems with this product that are not addressed in this instruction manual, please contact our Customer Service Dept.

In the U.S., contact Johnson Level & Tool's Customer Service Department at 888-9-LEVELS.

In Canada, contact Johnson Level & Tool's Customer Service Department at 800-346-6682.

11. Warranty Registration

Enclosed with this instruction manual you will find a warranty registration card to be completed for your product. You will need to locate the serial number for your product that is located on the bottom of the unit. **PLEASE NOTE THAT IN ADDITION TO ANY OTHER**

LIMITATIONS OR CONDITIONS OF JOHNSON LEVEL & TOOL'S LIMITED WARRANTY, JOHNSON LEVEL & TOOL MUST HAVE RECEIVED YOUR PROPERLY COMPLETED WARRANTY CARD AND PROOF OF PURCHASE WITHIN 30 DAYS OF YOUR PURCHASE OF THE PRODUCT OR ANY LIMITED WARRANTY THAT MAY APPLY SHALL NOT APPLY AND THERE SHALL BE NO WARRANTY.





12. Accessories

Johnson® accessories are available for purchase through authorized Johnson® dealers. Use of non-Johnson® accessories will void any applicable limited warranty and there will be NO WARRANTY. If you need any assistance in locating any accessories, please contact our Customer Service Department.

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