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› DEGLASERS 4x360 Green Laser Level Instruction Manual

DegLasers 4D01-I16C

DEGLASERS 4x360 Green Laser Level Instruction Manual

Model: 4D01-I16C



1. INTRODUCTION

Thank you for choosing the DEGLASERS 4x360 Green Laser Level. This precision instrument is designed to provide accurate and efficient leveling and alignment for a wide range of applications, from construction to home renovation. Please read this manual thoroughly before operation to ensure safe and proper use, and to maximize the performance and lifespan of your device.

1.1 Safety Information

WARNING: This product contains a Class II laser. Avoid direct eye exposure to the laser beam. Do not stare into the beam. Do not disassemble the device. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

- Always operate the laser level in a safe environment, away from children and unauthorized personnel.
- Do not attempt to modify or repair the device yourself. Contact qualified service personnel for assistance.
- Ensure the device is stable before operation to prevent accidental falls.
- Keep the laser level clean and dry. Avoid exposure to extreme temperatures or humidity.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 4x360 Laser Level
- Magnetic Rotating Stand
- Rechargeable Battery (12V)
- Remote Controller
- Fast Charger
- Explosion-proof Tool Box

- Lifting Base Stand
- Mini Rotary Base
- 5/8" Female Adapter
- Multifunctional Magnetic Bracket
- Laser Target Plate
- Wall Panel

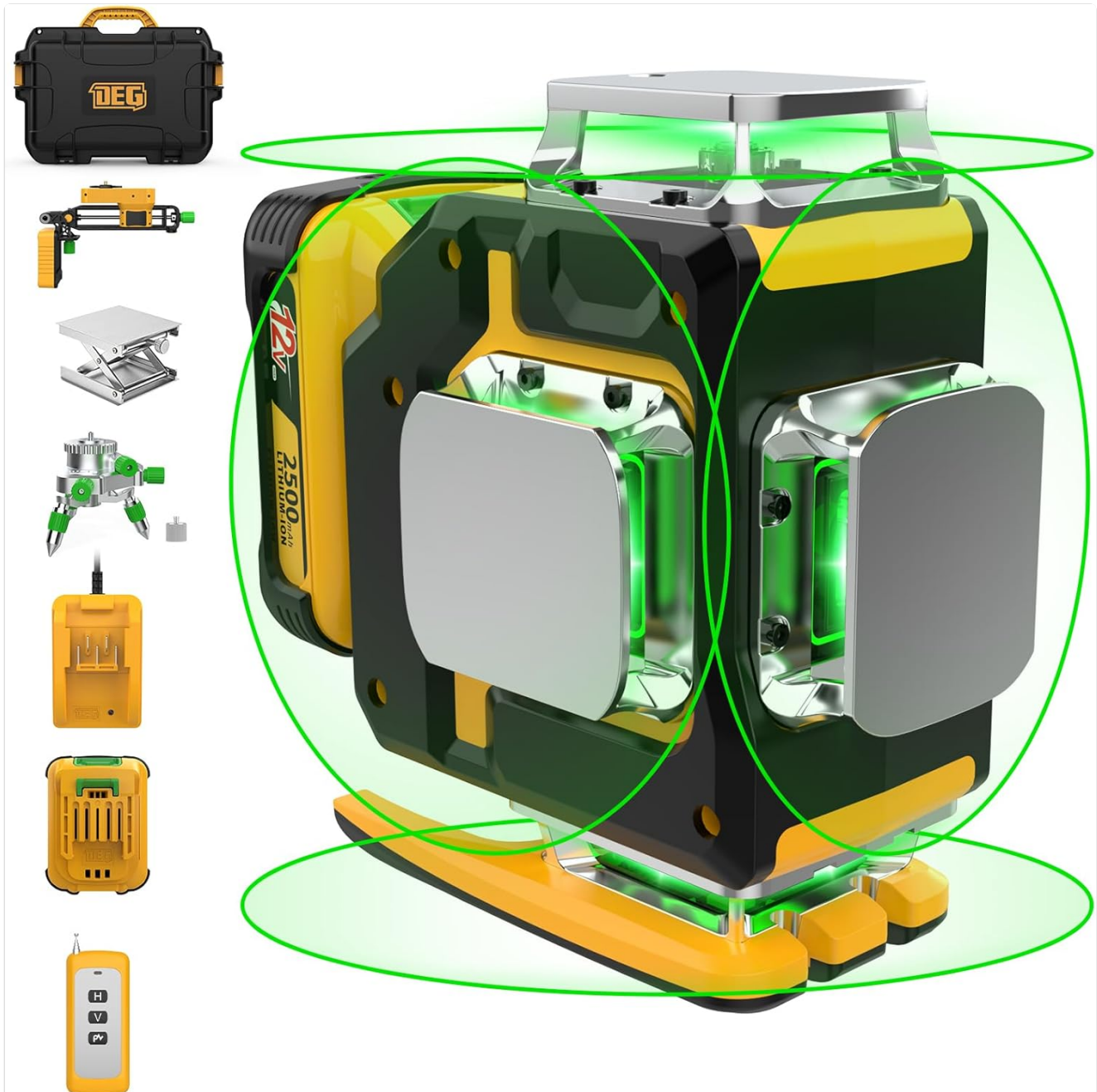


Image: The DEGLASERS 4x360 Green Laser Level with its complete set of accessories, including the hard carry case, magnetic stand, battery, charger, and remote control.

3. PRODUCT FEATURES

- **High Precision & Visibility:** Projects bright green-beam lines with $\pm 3/100$ in. accuracy at 16 ft. Green laser is 4x brighter than red, visible up to 100 feet. Safety level: Class II, $\leq 1\text{mW}$ power output.
- **4x360° Full Layout:** Features two 360° horizontal lines and two 360° vertical lines, providing comprehensive coverage for an entire room. Offers 15 leveling modes for versatile use.

- **Self-Leveling & Manual Mode:** Automatically self-levels within 3.5°. If the tilt exceeds this range, the laser lines will flash and an alarm will sound. Long press the manual mode button for 2 seconds to lock lines for use at any angle.
- **Pulse Mode:** Allows detection by a laser detector (sold separately) up to 200 feet, extending range for indoor and outdoor scenarios. Requires a receiver with 1KHz operating frequency.
- **12V Rechargeable Battery & Fast Charger:** The 12V battery provides 15-40 hours of continuous operation. The included fast charger fully charges the battery in approximately 1 hour.
- **4 Adjustable Brightness & Remote Control:** Choose from power saving, normal, super bright, and strong light flashing modes. The remote control simplifies operation and calibration.
- **Multiple Installation Methods:** Equipped with 1/4"-20 thread for tripods or laser mounting poles. Includes a 360° swivel magnetic bracket, iron plate for wall mounting, 360° free rotating base, and lifting base for low wall measurements. A 1/4" male to 5/8" female adapter is also included.
- **Durable Design & Application:** Covered by TPR soft rubber for enhanced protection and soft touch. Suitable for wall and ceiling alignment, cabinet installation, tile laying, flooring, electrical wiring, piping, framing, and hanging pictures.

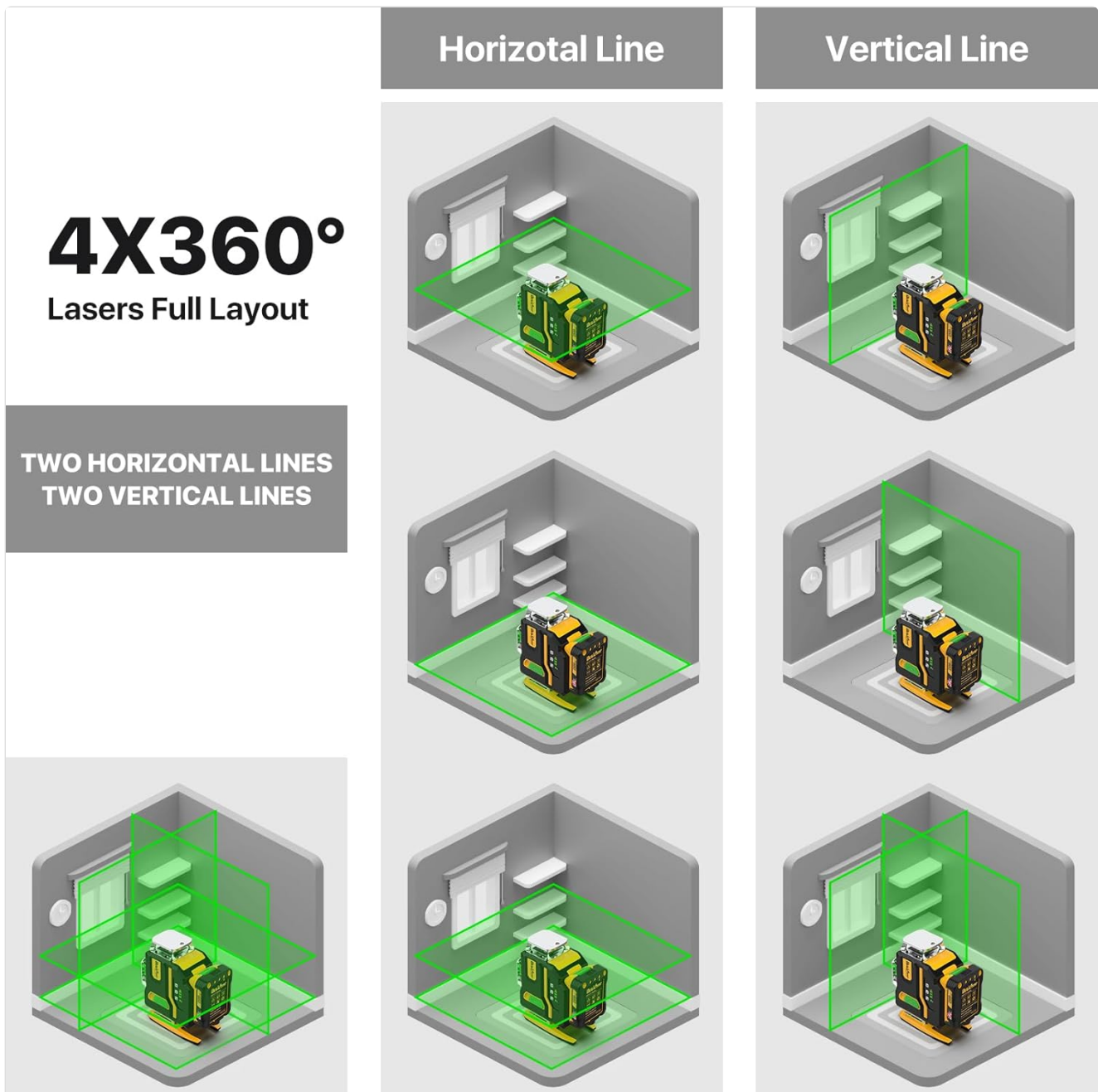


Image: Diagram illustrating the 4x360° full layout capability, showing how two horizontal and two vertical laser lines cover an entire

room.



Image: Visual representation of the four brightness adjustment modes: Power Saving, Normal, Super Bright, and Strong Light Flashing.

4. SETUP

4.1 Charging the Battery

1. Connect the fast charger to a power outlet.
2. Insert the 12V rechargeable battery into the charger.
3. Allow approximately 1 hour for a full charge. The charger indicator light will change when charging is complete.
4. Once charged, insert the battery into the laser level unit.



Multiple Mounting Options

With Two 1/4"-20 Mounting Threaded Holes

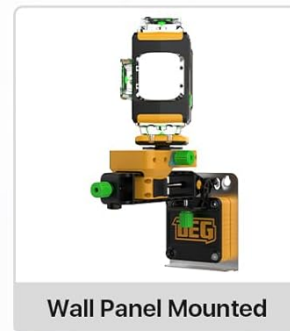
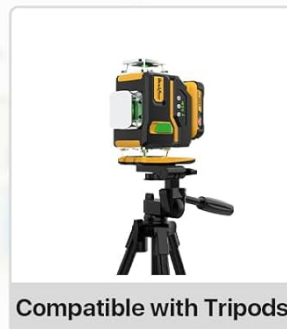
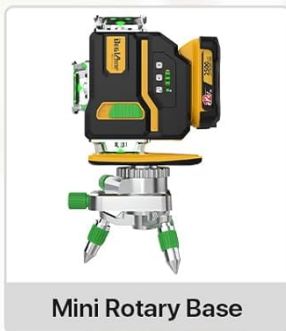
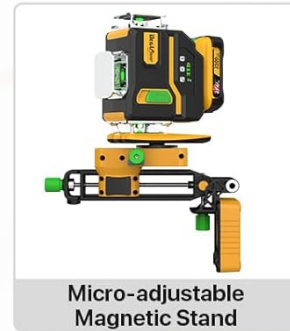
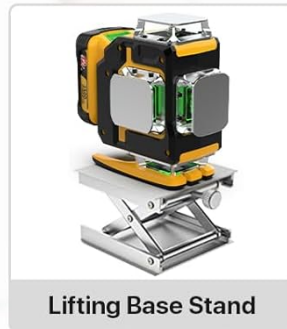


Image: Illustration of the 12V rechargeable battery connected to its fast charger, highlighting its long working time and quick charging capability.

4.2 Mounting the Laser Level

The DEGLASERS 4x360 Laser Level offers various mounting options:

- **Tripod Mounting:** Use the 1/4"-20 thread on the bottom of the unit to attach it to a standard tripod or laser mounting pole.
- **Magnetic Mounting:** Attach the magnetic bracket to the laser level and secure it to a metal surface. The bracket allows for 360° swivel adjustment.
- **Wall Mounting:** Use the provided iron plate and multifunctional magnetic bracket to mount the laser level securely to a wall.
- **Lifting Base:** For measuring low walls or adjusting height precisely, use the lifting base stand.
- **Mini Rotary Base:** Provides fine rotational adjustment for precise alignment.

Drop-Resistant Aluminum Alloy Laser Window



Image: Visual guide demonstrating different mounting configurations for the laser level, including tripod, lifting base, magnetic stand, mini rotary base, and wall panel mounted.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Slide the ON/OFF switch to the "ON" position to power on the device. Slide it to "OFF" to power off.

5.2 Self-Leveling Mode

When the device is powered on, it will automatically enter self-leveling mode. Ensure the laser level is placed on a relatively flat surface. The device will self-level within a range of $\pm 3.5^\circ$. If the tilt exceeds this range, the laser lines will flash and an alarm will sound, indicating that the device is out of level. Adjust the position of the laser level until the lines become stable.

Remote Control

Easily Control Laser Beams



Image: Comparison showing the laser level operating in self-leveling mode (left) and manual mode (right), demonstrating its ability to project level lines or lines at any desired angle.

5.3 Manual Mode (Lock Mode)

To use the laser level at any angle (e.g., for stair railings or sloped surfaces), activate manual mode:

1. With the device powered on, **long press** the manual mode button (often marked with a lock icon or P/V) for 2 seconds.
2. The indicator light will turn green, and the laser lines will be locked, allowing you to tilt the device to any desired angle without flashing or alarming.
3. To exit manual mode, long press the button again.

5.4 Switching Laser Lines

Use the "H" button to toggle horizontal laser lines and the "V" button to toggle vertical laser lines. The device offers 15 leveling modes, allowing you to activate specific combinations of lines as needed.

5.5 Adjusting Brightness

The laser level features 4 adjustable brightness levels:

- Power Saving
- Normal
- Super Bright
- Strong Light Flashing

Press the brightness adjustment button (often combined with the manual mode button) to cycle through these modes and select the appropriate brightness for your working environment.

5.6 Pulse Mode

For outdoor use or in bright conditions, activate pulse mode to extend the laser range up to 200 feet with a compatible laser detector (receiver). Note that the laser detector is not included and must have an operating frequency of 1KHz.

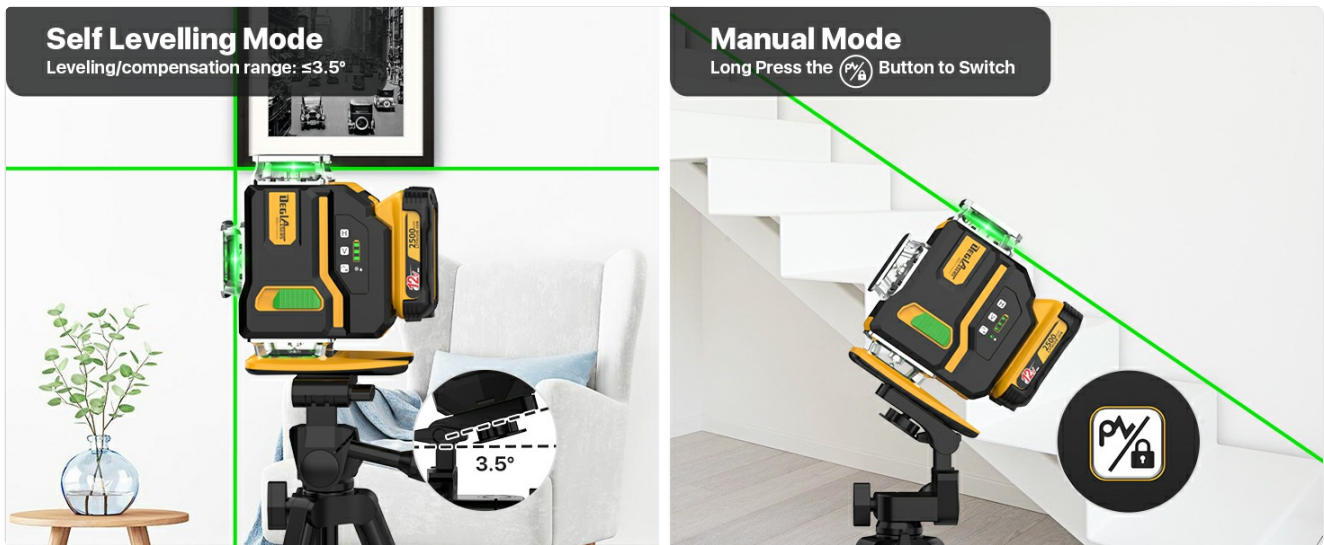


Image: The laser level projecting lines in pulse mode, indicating its extended range capability up to 200 feet when used with a laser detector.

5.7 Using the Remote Control

The included remote control allows for convenient operation of the laser level from a distance. Use the buttons on the remote to:

- Toggle horizontal lines (H)
- Toggle vertical lines (V)
- Switch between brightness modes / activate manual mode (P/V)

Keep Long Time Working

12V Large Capacity Rechargeable Battery



Max work
to 40h



1 Hour fast
charging



More power
saving



Safe to use



Image: A construction worker using the remote control to adjust the laser level, demonstrating the ease of controlling laser beams remotely.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the laser level with a soft, dry cloth. Do not use abrasive cleaners or solvents. Keep the laser emission windows clean for optimal performance.
- **Storage:** When not in use, store the laser level and its accessories in the provided hard carry case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** Fully charge the battery before long-term storage. If storing for extended periods, recharge the battery every 3-6 months to maintain its lifespan.
- **Drop Protection:** The device features a durable TPR soft rubber covering for protection against drops. However, avoid unnecessary impacts to maintain calibration accuracy.

Self Levelling Mode

Leveling/compensation range: $\leq 3.5^\circ$



Manual Mode

Long Press the  Button to Switch

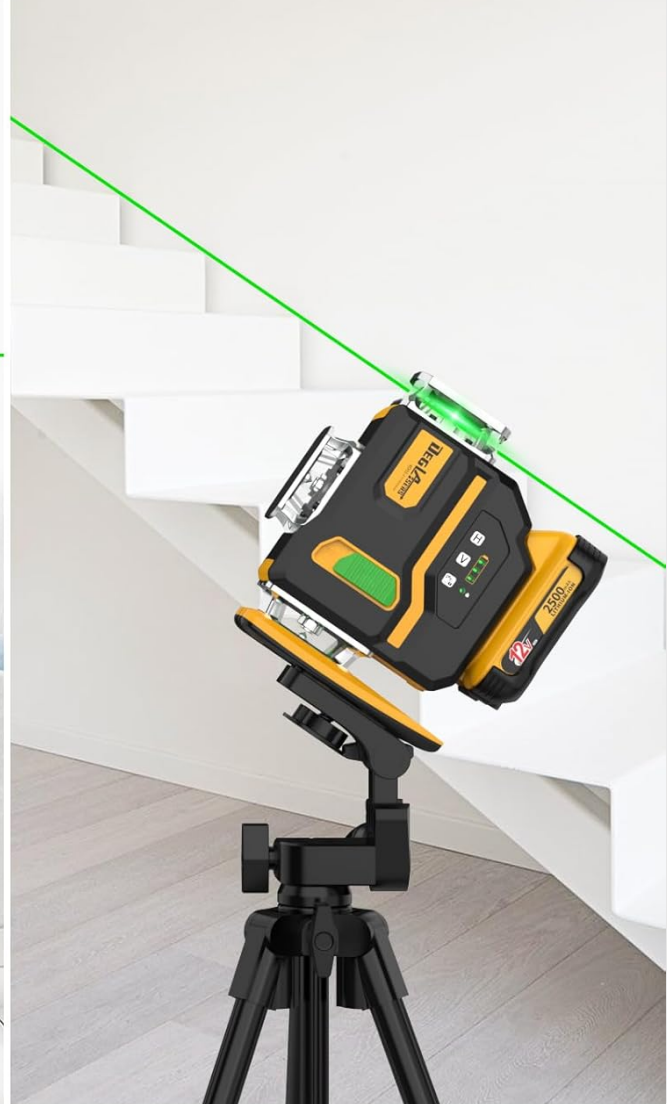


Image: Close-up view of the laser level highlighting its drop-resistant design and aluminum alloy laser window, demonstrating its robust construction.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Laser lines are flashing and/or alarm is sounding.	The laser level is out of its self-leveling range ($> \pm 3.5^\circ$).	Place the laser level on a more level surface or adjust its position until the lines stabilize.
Laser lines are dim or not visible in bright conditions.	Insufficient brightness setting or ambient light is too strong.	Increase brightness setting to "Super Bright" or "Strong Light Flashing". Use pulse mode with a laser detector for outdoor/bright conditions.
Device does not power on.	Battery is low or not properly inserted.	Ensure battery is fully charged and correctly inserted.

Problem	Possible Cause	Solution
Remote control is not working.	Battery in remote is dead or remote is out of range.	Replace remote control battery. Ensure you are within effective range of the laser level.
Inaccurate measurements.	Device is not properly calibrated or has been subjected to severe impact.	Perform a calibration check. If issues persist after impact, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	DegLasers
Model Number	4D01-I16C
Style	4x360 Laser Level
Laser Color	Green
Laser Class	Class II, ≤1mW
Accuracy	± 3/100 in. at 16 ft
Self-Leveling Range	±3.5°
Operation Mode	Automatic, Manual
Battery Type	12V Lithium Ion (2500mAh)
Battery Life	15-40 hours (continuous work)
Charging Time	Approx. 1 hour (fast charger)
Product Dimensions	5.9"L x 3.1"W
Item Weight	1.98 pounds (900 Grams)
Material	Aluminum, Metal, Rubber, Thermoplastic Elastomers
Color	Black
Special Features	Green-line, Self-leveling, Remote Control, Adjustable Brightness, Pulse Mode

9. WARRANTY AND SUPPORT

DEGLASERS provides a one-year after-sale service for this product. If you encounter any questions or issues with your DEGLASERS 4x360 Green Laser Level, please do not hesitate to contact our customer support team. We are committed to providing high-quality products and services.

For support, please refer to the contact information provided with your purchase or visit the official DEGLASERS website.



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