

KEZERS KL4D-03G

KEZERS KL4D-03G 4x360 Green Laser Level

INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the safe and effective operation, maintenance, and troubleshooting of your KEZERS KL4D-03G 4x360 Green Laser Level. Please read this manual thoroughly before using the device and retain it for future reference.

2. Safety Instructions

Always follow basic safety precautions to reduce the risk of personal injury. This device emits laser radiation. Avoid direct eye exposure to the laser beam. Do not stare directly into the laser aperture. Use only as specified in this manual.

- Do not disassemble the laser level. Repairs should only be performed by qualified personnel.
- Do not operate the laser level in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep the laser level out of reach of children.
- Use only the specified batteries and charger.

3. Package Contents

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

- 1 x KL4D-03G Laser Level
- 1 x Remote Controller
- 1 x Magnet Hanging Bracket
- 1 x Bracket Patch

- 1 x Steel Sheet
- 1 x User Manual
- 1 x Power Adapter
- 2 x 4000mAh Li-ion Battery
- 1 x Hard Carry Case
- 1 x 5/8"-11 Threaded Adapter
- 1 x Lifting Base



Figure 1: All components included with the KEZERS KL4D-03G Laser Level, neatly organized in its hard carrying case.

4. Product Overview

The KEZERS KL4D-03G is a versatile 4x360 green laser level designed for various leveling and alignment tasks. It features four 360-degree laser planes, a touch LCD display, and multiple operating modes.

KEZERS

4D 4 x 360° Green Laser Level Meet all your needs



Figure 2: Key features of the KEZERS KL4D-03G Laser Level.

Key Features:

- **4x360° Full Layout:** Provides four 360-degree laser planes for comprehensive coverage, ideal for ceiling installation, tile laying, and square layouts.
- **Touch & LCD Display:** An intuitive LCD screen displays battery status and allows easy selection of horizontal/vertical lines, brightness adjustment, and mode switching (Manual, Self-leveling, Pulse).
- **Dual 4000mAh Li-ion Batteries:** Equipped with two rechargeable batteries, offering up to 8 hours of operation with all 16 lines active. Includes a charger for continuous use.
- **Self / Manual Leveling & Pulse Mode:** Features a smart pendulum system for self-leveling within $\pm 3^\circ$ and an audible alert for out-of-level conditions. Manual mode allows locking lines for use at any angle. Pulse mode extends the working range up to 164ft (50m) with a compatible receiver (sold separately).
- **Remote Control & Multiple Installation Methods:** The remote control allows convenient line selection. The device includes 1/4"-20 mounting thread for tripods/brackets, a lifting base, magnetic bracket, and mounting screws for versatile placement.

5. Setup

5.1. Battery Installation and Charging

The laser level comes with two 4000mAh Li-ion batteries. Ensure at least one battery is charged before use.

1. Open the battery compartment on the side of the laser level.
2. Insert a charged Li-ion battery, ensuring correct polarity.
3. Close the battery compartment securely.
4. To charge a battery, connect it to the included power adapter using the charging cable. The LCD display will show battery status.

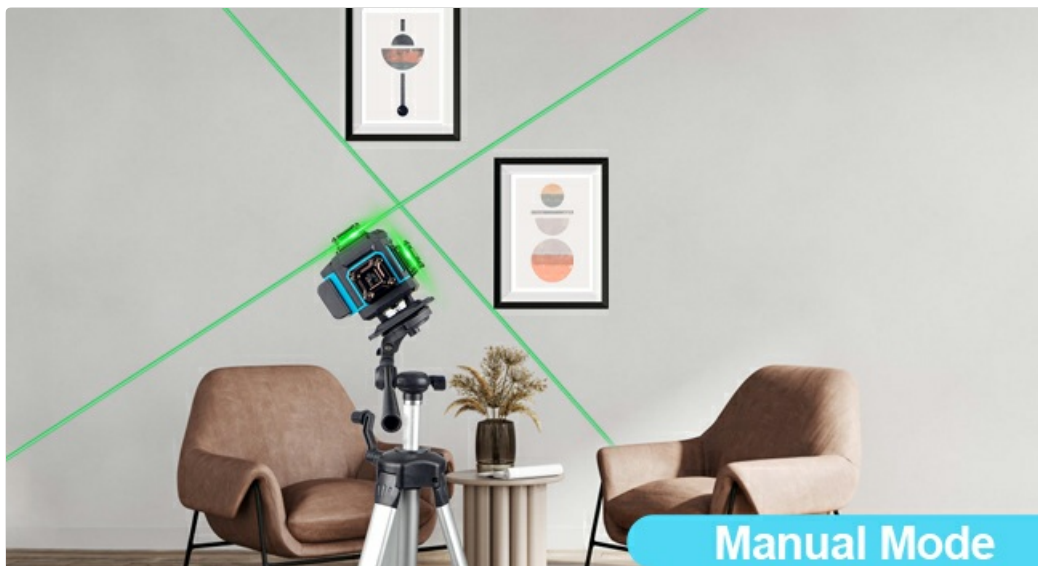


Figure 3: Charging the included Li-ion batteries.

5.2. Mounting Options

The KEZERS KL4D-03G offers several mounting options for diverse applications:

- **Lifting Base:** Use the included lifting base to adjust the laser height from 1" to 3.54" for floor-level tasks like tile installation.
- **Magnetic Bracket:** Attach the magnetic bracket to metallic surfaces or use the included steel sheet and bracket patch for non-metallic surfaces. The bracket allows for fine adjustment and rotation.
- **Tripod/Bracket:** The laser level features a 1/4"-20 mounting thread for compatibility with standard tripods or brackets. A 5/8"-11 threaded adapter is also included for larger tripods.

Variety kinds of Mounting Methods

360° Magnetic Bracket



Lifting Base



Mounting Screws



Tripod (not included)
Included a 5/8"-11 Male Thread Adapter

Figure 4: Different mounting methods for the laser level.

4 x 360° Line Lasers

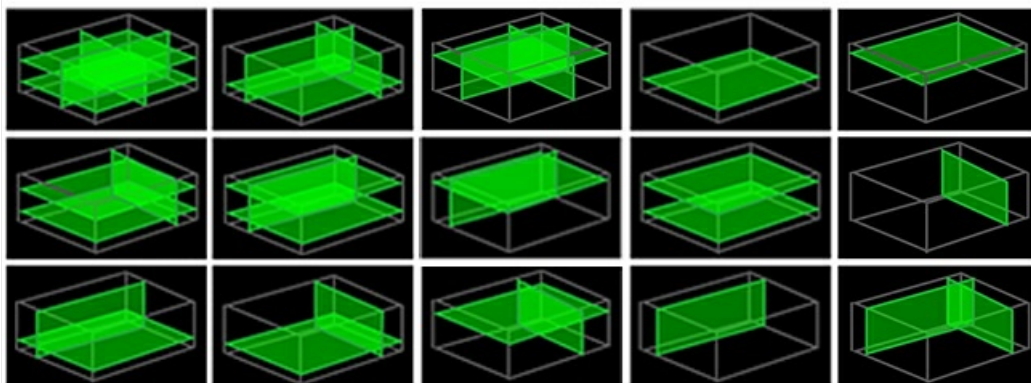


Figure 5: Using mounting screws for precise leveling.



Figure 6: 1/4"-20 Thread and 5/8"-11 Mounting Adapter.

6. Operating Instructions

6.1. Powering On/Off

To power on the device, slide the main switch to the 'ON' position. To power off, slide the switch to 'OFF'.

6.2. Self-Leveling Mode

When the pendulum is unlocked (main switch 'ON'), the laser tool automatically self-levels within $\pm 3^\circ$. If the device is outside this range, the laser beams will flash quickly and an audible alarm will sound as a reminder to adjust the position.

Self-Leveling Mode

When $\leq 3^\circ$
Self-Leveling

When $> 3^\circ$
Beam flash quickly and auto alarm



Manual Mode

Lock the lines at any angle
(Long press "M" for 3 seconds)

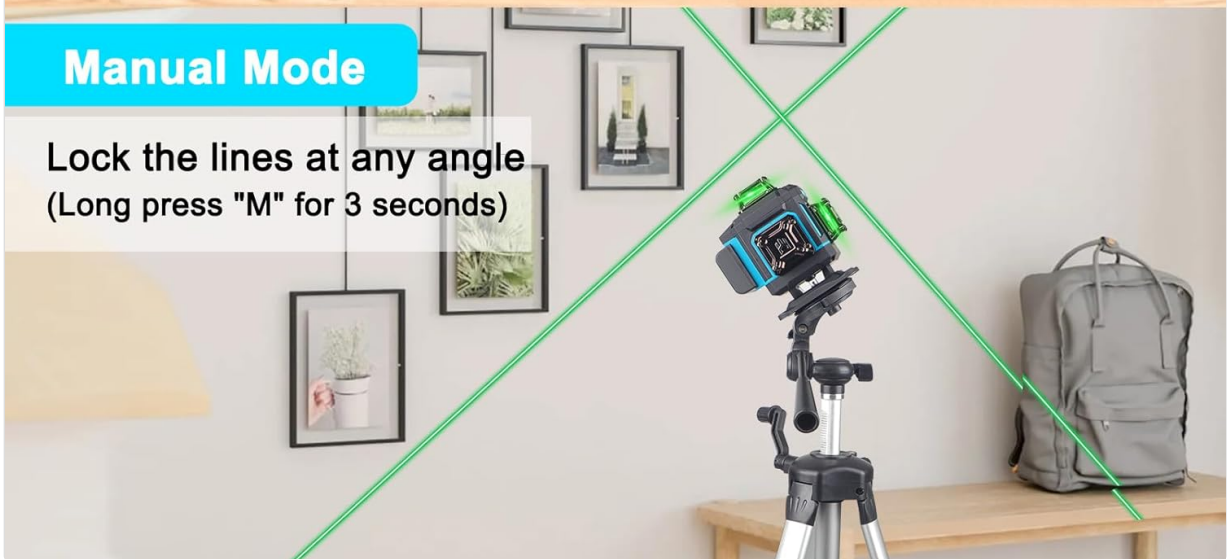


Figure 7: Self-Leveling Mode in operation.

Remote Control

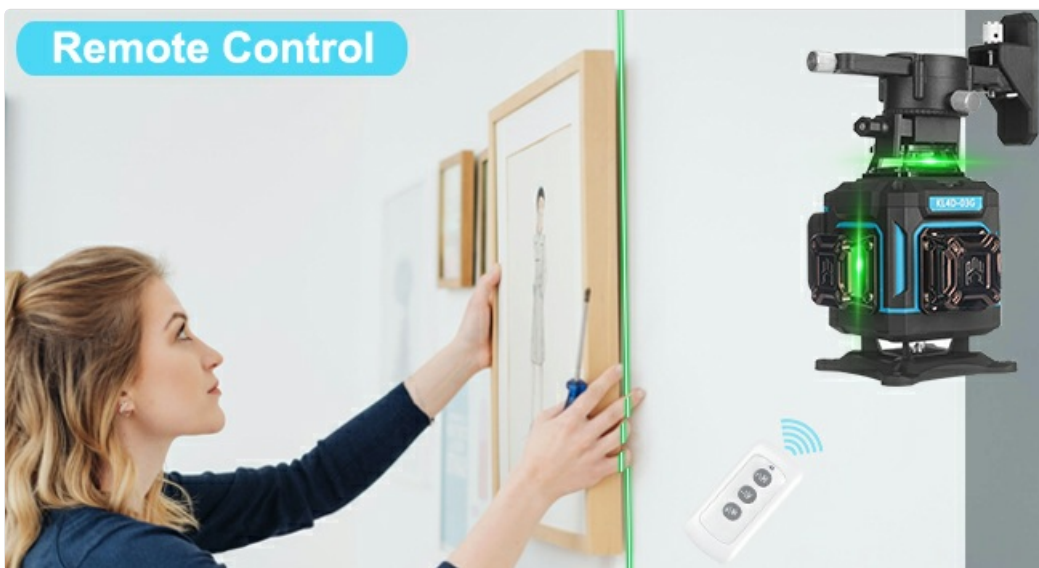


Figure 8: Self-leveling mode for picture hanging.

6.3. Manual Mode

To activate Manual Mode, lock the pendulum by sliding the main switch to the 'OFF' position, then long-

press the 'M' button on the LCD display for 3 seconds. In this mode, you can project laser lines at any desired angle without self-leveling. This is useful for tasks like installing handrails on stairs.



Figure 9: Manual mode for angled projections.

6.4. Pulse Mode

For use in bright environments or over long distances (up to 164ft/50m), activate Pulse Mode. This mode requires a compatible KEZERS laser receiver (not included). To switch to Pulse Mode, press the 'M' button on the LCD display.



Figure 10: Pulse Mode for extended range with a receiver.



Figure 11: Pulse Mode for enhanced visibility over distance.

6.5. LCD Display and Controls

The touch LCD screen provides real-time information and control:

- **Battery Status:** Easily monitor the remaining battery life.
- **'H' Button:** Select horizontal lines or increase laser beam brightness.
- **'V' Button:** Select vertical lines or reduce laser beam brightness.
- **'M' Button:** Switch between Manual mode, Self-leveling mode, and Pulse mode.



Figure 12: Touch Screen and LCD Display.

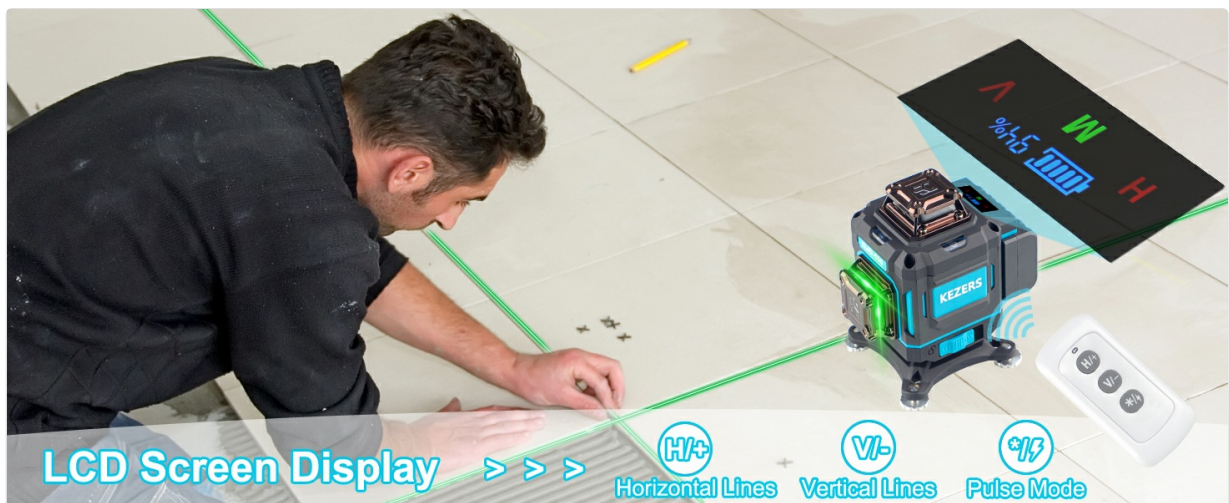


Figure 13: Detailed view of LCD screen controls.

6.6. Remote Control

The included remote control allows you to select desired laser lines without directly touching the device, minimizing accidental movement and ensuring precision.



Figure 14: Using the remote control for convenience.

6.7. Switching Line Modes

The KL4D-03G can project various combinations of horizontal and vertical lines. Use the 'H' and 'V' buttons on the device or remote control to cycle through different line configurations to suit your task.

Switching Modes

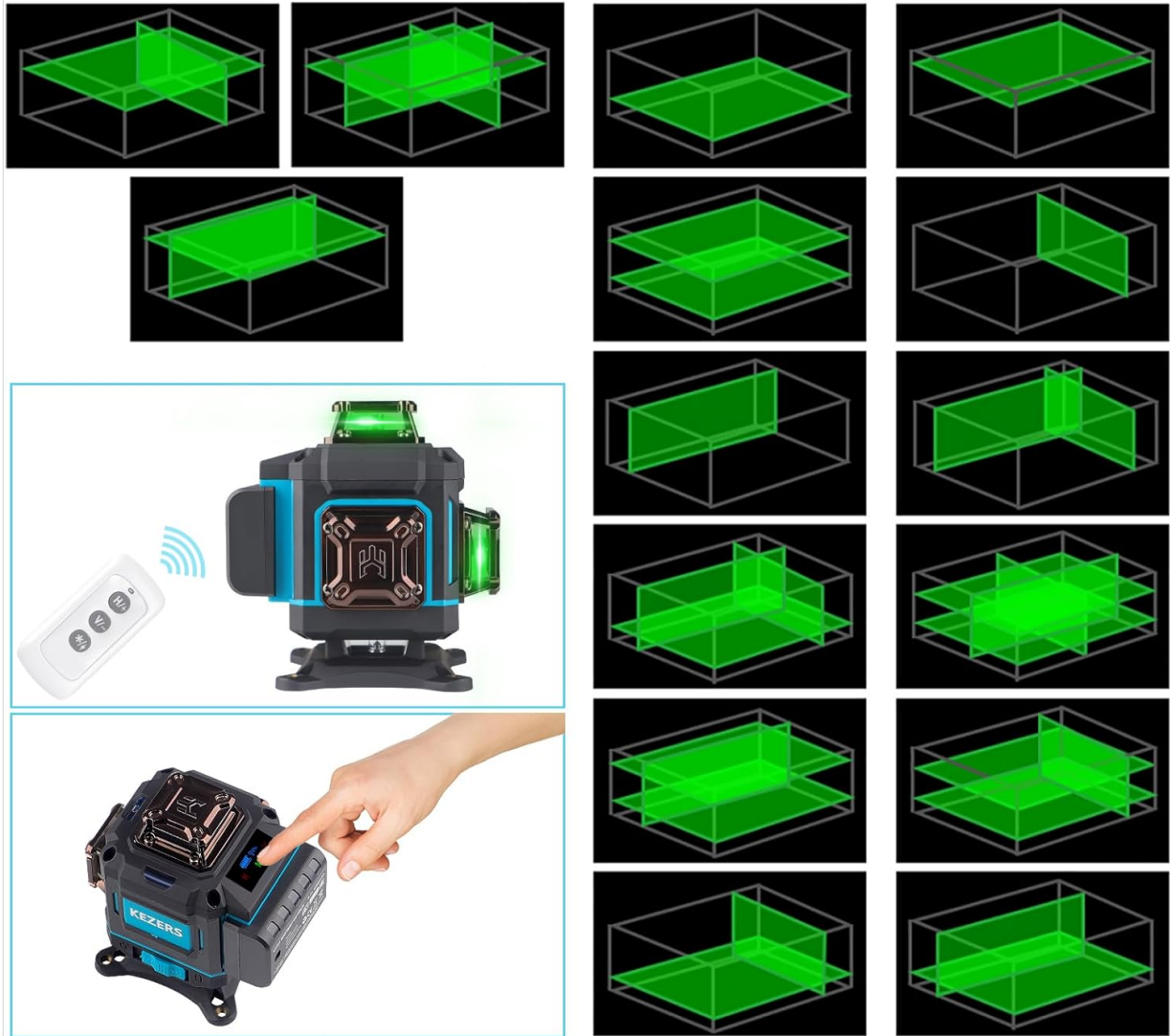


Figure 15: Various 4x360 line laser configurations.

1/4"-20 Thread & 5/8"-11 Mounting Adapter



Figure 16: Visual representation of 4x360 line laser options.

6.8. Application Examples

The 4x360 laser planes are suitable for a wide range of applications, including:

- Ceiling installation: The top 360° horizontal line assists in precise overhead work.
- Tile installation: The 360° horizontal floor laser line is ideal for laying tiles.
- Square layout: Two 360° vertical lines intersecting at 90° angles enable quick and accurate square layouts.

6.9. Official Product Videos

Watch these videos for additional guidance on using your laser level:

Video 1: Demonstration of a 16-line laser level in various applications. This video showcases the versatility and precision of a similar 16-line laser level, providing visual examples of its use in different settings.

Video 2: Overview of a 16-line self-leveling laser level. This video highlights the self-leveling capabilities and various line projections of a comparable 16-line laser level, useful for understanding core functionalities.

Video 3: KEZERS 3x360 Self Leveling Laser Level in action. This video demonstrates the operation and features of a KEZERS brand laser level, offering insights into its practical use and performance.

Video 4: Takamine 16 Lines Green Laser Level features. This video provides a detailed look at the features and functions of a 16-line green laser level, which shares many similarities with the KEZERS KL4D-03G.

Video 5: 16 Line Laser Level 360 Self Leveling demonstration. This video illustrates the self-leveling and 360-degree line projection capabilities of a 16-line laser level, useful for understanding its operational aspects.

7. Maintenance

Proper maintenance ensures the longevity and accuracy of your laser level.

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep the laser apertures clean and free of dust.
- **Storage:** Store the laser level in its hard carrying case in a dry, cool place when not in use. Remove batteries if storing for extended periods.
- **Calibration:** If you suspect the laser level is out of calibration, refer to the troubleshooting section or contact customer support.

8. Troubleshooting

If you encounter issues with your KEZERS KL4D-03G, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Laser lines flashing rapidly and beeping	Device is out of self-leveling range ($\pm 3^\circ$)	Adjust the device's position until it is within the self-leveling range.
Laser lines are dim or not visible	Low battery, bright ambient light, or not in Pulse Mode	Charge batteries, use in a darker environment, or activate Pulse Mode with a receiver.
Device does not power on	Battery is depleted or incorrectly installed	Ensure batteries are charged and correctly inserted.

9. Specifications

Feature	Specification
Model Number	KL4D-03G
Laser Type	Green Laser
Laser Planes	4 x 360° (2 Horizontal, 2 Vertical)
Self-Leveling Range	±3°
Power Source	2 x 4000mAh Li-ion Batteries
Working Time	Up to 8 hours (all 16 lines on)
Pulse Mode Range	Up to 164ft (50m) with receiver
Mounting Thread	1/4"-20, 5/8"-11 (with adapter)
Material	Acrylonitrile Butadiene Styrene
Color	Blue
Item Weight	2 kg (4.4 lbs)
Product Dimensions	31.75 x 28.7 x 0.25 cm

10. Warranty & Support

For warranty information and customer support, please refer to the documentation included in your product package or visit the official KEZERS website. If you have any questions or require assistance, do not hesitate to contact our support team.