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Tiiyee Laser LV09

Tiiyee Laser LV09 Infrared Line Laser Level User Manual

Model: Laser LV09 | Brand: Tiiyee

1. INTRODUCTION

The Tiiyee Laser LV09 Infrared Line Laser Level is a versatile and precise tool designed for various alignment tasks in home improvement and construction projects. It projects accurate horizontal and vertical laser lines, making it ideal for tasks such as hanging pictures, installing shelves, tiling, and framing. This manual provides essential information for safe and effective use of your device.

2 Lines Vertical Horizontal Line Infrared Laser Level Right Angle Measuring Tool

Can projects 2 lines: vertical line, horizontal line, cross line with an accuracy of 0.01.



Image 1.1: Tiiyee Laser LV09 Infrared Line Laser Level projecting lines.

2. SAFETY INFORMATION

DANGER: LASER RADIATION. Avoid direct eye exposure. Do not stare into the laser beam. This product emits Class II laser radiation.

- Never look directly into the laser beam.
- Do not point the laser at people or animals.
- Avoid pointing the laser at highly reflective surfaces, as reflected beams can also cause eye injury.
- Use the device in a well-lit area to reduce the risk of accidental eye exposure.
- Keep the device out of reach of children.
- Do not attempt to modify or disassemble the laser level. Unauthorized modifications can lead to hazardous radiation exposure.



Image 2.1: Laser warning label on the device.

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your Tiiyee Laser LV09:



Image 3.1: Labeled components of the Laser LV09.

1. **Locking Pin Switch:** Used to fix the device onto a board or surface.
2. **Vertical Line Control Switch:** Activates or deactivates the vertical laser line.
3. **Horizontal Line Control Switch:** Activates or deactivates the horizontal laser line.
4. **Horizontal Built-in Bubble:** Assists in manually leveling the device horizontally.
5. **Vertical Built-in Bubble:** Assists in manually leveling the device vertically.
6. **Laser Aperture:** Emits the laser lines.
7. **Battery Compartment:** Located on the bottom for battery installation.
8. **Tripod Mount:** Standard thread for attaching to a tripod (located on the bottom).

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover on the bottom of the device.
2. Slide or unclip the cover to open it.
3. Insert 3x AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.





Image 4.1: Bottom view with battery compartment.

4.2 Positioning the Device

- Place the laser level on a stable, flat surface.
- Alternatively, attach it to a compatible tripod using the tripod mount for elevated or more precise positioning.
- Use the built-in bubble levels to manually adjust the device until it is level. The bubbles should be centered within their indicators.

5. OPERATING INSTRUCTIONS

5.1 Activating Laser Lines

The Laser LV09 offers three projection modes:

- **Horizontal Line:** Press the Horizontal Line Control Switch to project a horizontal laser line.
- **Vertical Line:** Press the Vertical Line Control Switch to project a vertical laser line.
- **Cross-Line (90-degree angle):** Press both the Horizontal and Vertical Line Control Switches simultaneously to project both lines, creating a precise 90-degree cross-line.

To turn off a specific line, press its corresponding control switch again. To turn off both lines, ensure both switches are in the off position.

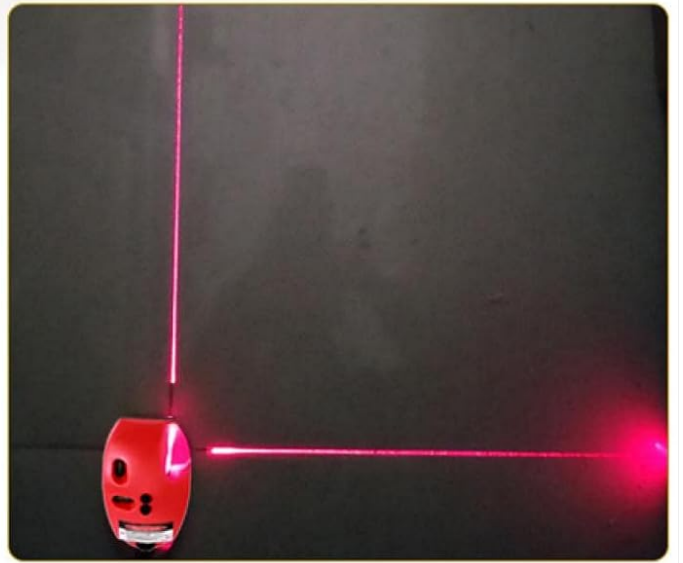
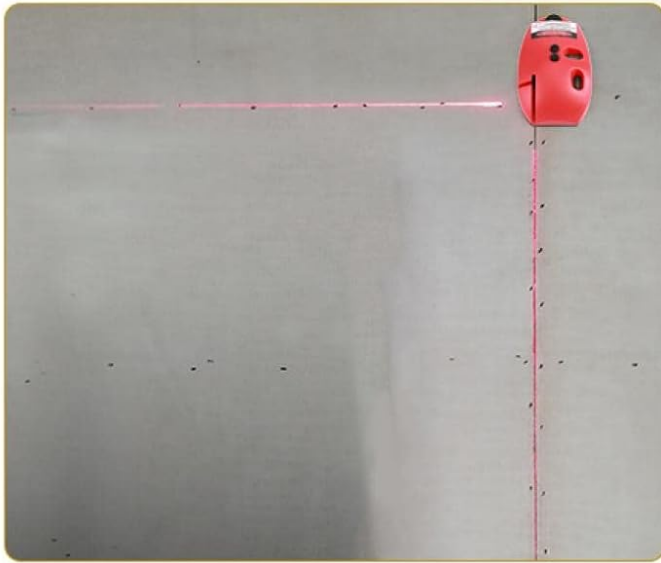


Image 5.1: Horizontal laser line projection.

5.2 Using the Locking Pin

The locking pin switch allows you to temporarily secure the device to a soft surface, such as a wooden board, for hands-free operation. Press the locking pin switch to extend the pin, then press the device firmly against the surface. Ensure the device is stable before use.

5.3 Applications

This laser level is suitable for:

- Hanging pictures and artwork.
- Installing shelves and cabinets.
- Laying floor or wall tiles.
- Framing and carpentry work.

- Wallpaper installation.

Range Of Use

Easy to use, compact and lightweight, it can help you easily to finish home-renovation project, as installing floors, framing, laying out tile, and hanging pictures, etc.



Image 5.2: Range of use for the laser level.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents. Keep the laser aperture clean and free of dust.
- **Battery Replacement:** Replace batteries when the laser lines become dim or flicker. Always use fresh AA batteries. Remove batteries if the device will not be used for an extended period to prevent leakage.
- **Storage:** Store the laser level in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Calibration:** This device is manually leveled using bubble vials. Regularly check the accuracy of the bubble vials by placing the device on a known level surface.

7. TROUBLESHOOTING

- **Laser lines are dim or not appearing:** Check if the batteries are correctly installed and have sufficient charge. Replace batteries if necessary.
- **Laser lines are not straight or level:** Ensure the device is placed on a stable surface and manually leveled using the built-in bubble vials. Adjust the device until the bubbles are centered.
- **Device does not turn on:** Verify battery installation and charge. Ensure the control switches are fully engaged.

8. SPECIFICATIONS

Model Number	Laser LV09
Brand	Tiiyee
Dimensions (L x W x H)	14 x 8 x 5 cm (5.5 x 3.1 x 2 inches)
Weight	100 grams (0.22 lbs)
Material	Acrylonitrile Butadiene Styrene (ABS)
Laser Type	Infrared Line Laser
Laser Class	Class II
Operating Mode	Manual Leveling
Power Source	3x AA Batteries (not included)



Image 8.1: Product dimensions.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer where you purchased this product or contact

Tiiyee customer service through their official channels. Keep your purchase receipt as proof of purchase.

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