

Prexiso PLC10GLIT

PREXISO PLC10GLIT Rechargeable Green Cross Line Laser Level User Manual

Model: PLC10GLIT | Brand: Prexiso

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your PREXISO PLC10GLIT Rechargeable Green Cross Line Laser Level. Please read all instructions carefully before use to ensure optimal performance and safety.

Safety Information

- **WARNING:** Do not look directly into the laser beam. Direct exposure can cause eye injury.
- This device emits Class 2 laser radiation.
- Keep the device out of reach of children.
- Do not attempt to modify or disassemble the laser level.
- Use only specified batteries and charging accessories.

2. PACKAGE CONTENTS

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

- PREXISO Green Cross Line Laser Level (Model: PLC10GLIT)
- Rechargeable Li-ion Battery (pre-installed or included separately)
- USB-C Charging Cable
- Magnetic L-Bracket
- 1.2m Aluminum Tripod with 1/4"-20 mount
- Carry Case / Storage Bag
- User Manual



Figure 2.1: Package Contents. The image displays the PREXISO Green Cross Line Laser Level, a 47-inch tripod, a USB-C cable, a user manual, and a storage bag.

3. SETUP

3.1 Battery Installation & Charging

The device uses a built-in rechargeable Li-ion battery. Ensure the battery is charged before first use.

1. Locate the battery compartment on the bottom of the laser level.
2. Insert the Li-ion battery, ensuring correct polarity.
3. Close the battery compartment securely.
4. Connect the USB-C charging cable to the Type-C port on the device and to a suitable USB power source.
5. The LED indicator will show red during charging and turn green when fully charged.

360° Integrated Magnetic Bracket

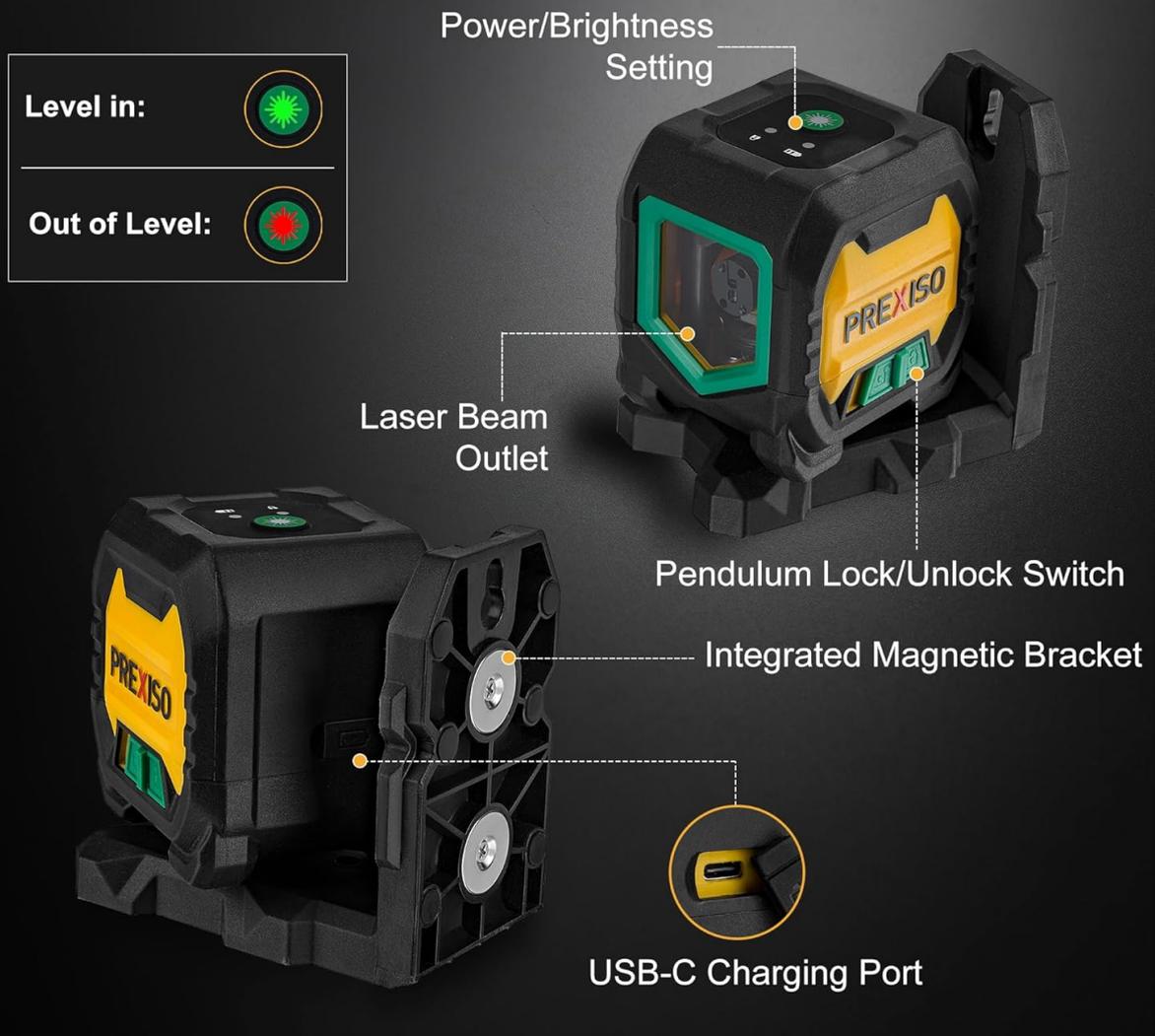


Figure 3.1: USB-C Charging Port and Pendulum Lock Switch. The image highlights the USB-C charging port and the pendulum lock/unlock switch on the device.

3.2 Tripod Setup

The included 1.2m aluminum tripod provides a stable platform for precise leveling.

1. Extend the tripod legs to the desired height and secure them using the adjustment buckles.
2. Attach the laser level to the tripod's 1/4"-20 screw mount.
3. Adjust the tripod head using the rotary lifting rocker and neck extension locking mechanism for fine positioning.



Figure 3.2: Tripod Features. This image illustrates the various adjustable components of the tripod, including the quick-release plate, 1/4"-20 screw mount, rotary lifting rocker, neck extension locking, adjustment buckle, and non-skid horseshoe rubber feet.

3.3 Magnetic L-Bracket Attachment

The integrated magnetic L-bracket allows for versatile mounting on metal surfaces.

- Attach the laser level to the L-bracket via the 1/4"-20 screw.
- The strong magnets on the L-bracket can securely hold the device to metal studs, beams, or other ferrous materials.
- The bracket also features anti-slip rubber pads for added stability.

360° Integrated Magnetic Bracket



Figure 3.3: Integrated Magnetic Bracket. The image details the magnetic L-bracket and its attachment points to the laser level.

4. OPERATING MODES

4.1 Self-Leveling Mode

This mode automatically levels the laser lines for accurate horizontal and vertical projections.

1. Slide the pendulum lock switch to the "Auto" (unlocked) position. The LED will turn green.
2. Place the laser level on a stable surface. The device will self-level within a 5° range.
3. If the device is outside the 5° self-leveling range, the laser lines will flash, and a red LED alert will activate. Adjust the device's position until the lines are steady and the LED is green.



Figure 4.1: Self-Leveling Mode. The image demonstrates the laser level in self-leveling mode, projecting perfectly horizontal and vertical lines when the pendulum is unlocked.

4.2 Manual Mode (Lock Mode)

Use this mode to project laser lines at any desired angle, useful for diagonal applications.

1. Slide the pendulum lock switch to the "Manual" (locked) position.
2. Press and hold the power button for 2 seconds to activate the laser lines.
3. The laser lines will now be locked and can be projected at any angle without flashing.



Figure 4.2: Manual Mode. This image shows the laser level in manual mode, allowing for projection of lines at custom angles when the pendulum is locked.

4.3 Brightness Adjustment

The laser level features three adjustable brightness settings for optimal visibility in various lighting conditions.

- Short press the brightness button (usually indicated by a sun icon) on the top of the device to cycle through the three brightness modes (100%, 70%, 40%).

3 ADJUSTABLE BRIGHTNESS

Extend working time, power saving and protect your eyes

3 Brightness Mode



Figure 4.3: 3 Adjustable Brightness Modes. The image displays the laser level projecting green cross lines at 100%, 70%, and 40% brightness levels.

5. VERSATILE APPLICATIONS

The PREXISO PLC10GLIT is designed for a wide range of professional and DIY tasks, including:

- Tile layout and installation
- Backsplash installation
- Cabinet fitting
- Hanging pictures and artwork
- Door and window calibration
- Framing and general home renovation projects



Figure 5.1: Application Examples. The image shows the laser level in use for diverse tasks such as house construction, hanging paintings, cabinet installation, and floor tiling.

6. SPECIFICATIONS

Model Number	PLC10GLIT
Laser Type	Green Cross Line Laser (520 nm)
Self-Leveling Range	$\pm 5^\circ$
Accuracy	$\pm 1/4"$ at 30 ft
Indoor Working Range	Up to 20 m (65 ft)
Brightness Modes	3 (100%, 70%, 40%)
Power Source	Rechargeable Li-ion Battery (included)
Charging Port	USB Type-C
Continuous Use Time	Up to 6 hours
IP Rating	IP54 (Dust and Splash Proof)
Tripod Mount Thread	1/4"-20
Tripod Height	1.2 m (47 inches)
Item Weight	1.83 kg
Manufacturer	HANGZHOU GREAT STAR INDUSTRIAL CO.,LTD

IP54 Rated

Use in damp and dusty jobsite



Figure 6.1: IP54 Rating. The image highlights the IP54 rating, confirming the device's resistance to dust and splashes.

7. MAINTENANCE

- Keep the laser level clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Store the device in its carry case when not in use to protect it from damage.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Regularly check the battery for any signs of damage or leakage.

8. TROUBLESHOOTING

8.1 Laser Lines are Flashing

If the laser lines are flashing in self-leveling mode, it indicates the device is outside its 5° self-leveling range. Adjust the position of the laser level until the lines become steady and the LED indicator turns green.

8.2 Laser Not Turning On

- Ensure the battery is fully charged.
- Check if the pendulum lock switch is in the correct position (Auto for self-leveling, Manual for locked)

lines).

- If in Manual mode, ensure the power button is pressed and held for 2 seconds to activate.

9. WARRANTY AND SUPPORT

Your PREXISO PLC10GLIT Rechargeable Green Cross Line Laser Level comes with a **2-year manufacturer's warranty**. For warranty claims, technical support, or any inquiries, please contact the manufacturer or your retailer with your purchase details.

10. OFFICIAL PRODUCT VIDEOS

PREXISO Laser Level with Tripod - Rechargeable Dual Modules

Your browser does not support the video tag.

This video provides an overview of the PREXISO Laser Level, highlighting its features, including the rechargeable dual modules and tripod compatibility. It demonstrates the product in various usage scenarios.

PREXISO Rechargeable Laser Level Self Leveling

Your browser does not support the video tag.

This video showcases the self-leveling capabilities of the PREXISO Rechargeable Laser Level, demonstrating how it automatically adjusts to provide accurate lines for your projects.