

Prexiso PLC360SGA

PREXISO PLC360SGA 360° Green Laser Level with Tripod User Manual

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your PREXISO 360° Green Laser Level, model PLC360SGA. This device is designed to project bright green horizontal, vertical, and cross lines for various applications including construction, floor and wall tiling, and general renovation tasks. Please read this manual thoroughly before operating the device.

SAFETY INFORMATION

WARNING: This is a Class II laser product. Maximum laser output is less than 1mW. Do not stare directly into the laser beam. Avoid direct eye exposure. Use caution when operating the laser level.

- Always operate the laser level in a safe environment.
- Ensure the laser is turned off when not in use or when changing batteries.
- Keep the device out of reach of children.
- The included green glasses are for enhancing visibility of the laser line, not for eye protection against direct laser exposure.

PACKAGE CONTENTS

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

- 1 x PREXISO 360° Cross Line Laser Level (Model PLC360SGA)
- 1 x 37-1/2 inch Tripod
- 1 x Green Glasses
- 1 x Portable Carry Bag
- 1 x Target Plate
- 4 x AA Batteries



Image: The PREXISO 360° Green Laser Level shown with its complete set of accessories, including the tripod, green glasses, target plate, carry bag, and AA batteries.

PRODUCT FEATURES

- **360° Green Laser Source:** Projects a full 360° horizontal line, along with vertical and cross lines. Green laser is significantly brighter than red lasers, offering visibility up to 100 ft.
- **Multiple Projecting Modes:** Switch independently between horizontal, vertical, and cross line modes.
- **Self-Leveling Mode:** Automatically levels within $\pm 4^\circ$ of horizontal. If tilted beyond this range, the laser will blink as an alarm.
- **Manual Mode:** Disables self-leveling, allowing the projection of lines at any desired angle.
- **Durable Design:** Features dustproof and shockproof construction for reliability in various work environments.



Image: Visual representation highlighting the dustproof and shockproof design of the laser level, indicating its robust build for demanding work conditions.

APPLICATIONS

The PREXISO 360° Green Laser Level is suitable for a wide range of tasks:

- Floor and wall tiling
- Chandelier and spotlight installation
- Hanging wall decor and pictures
- Air conditioning installation
- Door and window calibration
- General building structure measurement and layout



Image: Demonstrates the laser level projecting 360° cross lines for room layout, a 360° horizontal line for floor work, and a vertical line for tile installation.

SETUP

1. **Battery Installation:** Open the battery compartment latch. Insert 4 AA batteries, ensuring correct polarity. Close the compartment securely.
2. **Mounting the Laser Level:** The laser level features a 1/4"-20 threaded mount on its base.
 - **Tripod Mounting:** Attach the laser level to the included tripod using the quick-release plate. Ensure it is securely fastened.
 - **Positioning:** Place the tripod on a stable, level surface. Adjust the tripod legs and rotary lifting rocker to achieve the desired height and initial position.

Bright Green Laser Diode



Image: A detailed diagram showing the dimensions of the laser level and the location of key components such as the power mode button, lock/unlock switch, battery compartment, laser aperture, and 1/4"-20 threaded mount.



Image: An illustration of the included tripod, detailing its features such as the quick-release plate, 1/4" screw mount, neck extension locking, rotary lifting rocker, adjustment buckle, and non-skid rubber feet. Dimensions for collapsed (17 inches) and extended (37.5 inches) states are also shown.

OPERATING MODES

The PREXISO laser level offers two primary operating modes: Self-Leveling Mode and Manual Mode.

1. Self-Leveling Mode

1. Slide the Lock/Unlock switch to the "UNLOCK" side.
2. The laser level will automatically attempt to self-level.
3. If the device is within $\pm 4^\circ$ of horizontal, the laser lines will become steady, indicating it is level.
4. If the device is tilted more than 4° , the laser lines will blink continuously as an alarm, indicating it cannot self-level. Adjust the device's position until the blinking stops.
5. Press the Power Mode Button to cycle through horizontal, vertical, or cross line projections.

SELF LEVELING AUTOMATIC MODE

Within ± 4 degrees with an accuracy of $\pm 5/16"$ at 50 Ft



Image: A visual guide demonstrating the steps for activating and using the Self-Leveling Automatic Mode, including the switch position, power button function, and the blinking alarm for out-of-level conditions.

2. Manual Mode

1. Slide the Lock/Unlock switch to the "LOCK" side. This disables the self-leveling feature.
2. Press and hold the Power Mode Button for 3 seconds to turn on the laser.
3. The laser lines will project at the angle the device is positioned, allowing for angled line projections.
4. Short press the Power Mode Button to switch between horizontal, vertical, or cross line projections.
5. To turn off the laser in Manual Mode, press and hold the Power Mode Button for 3 seconds.



Image: A step-by-step visual explanation of how to engage and use the Manual Mode, showing the "LOCK" switch position and the power button actions for turning on/off and switching laser line modes.

ACCESSORIES

Green Glasses

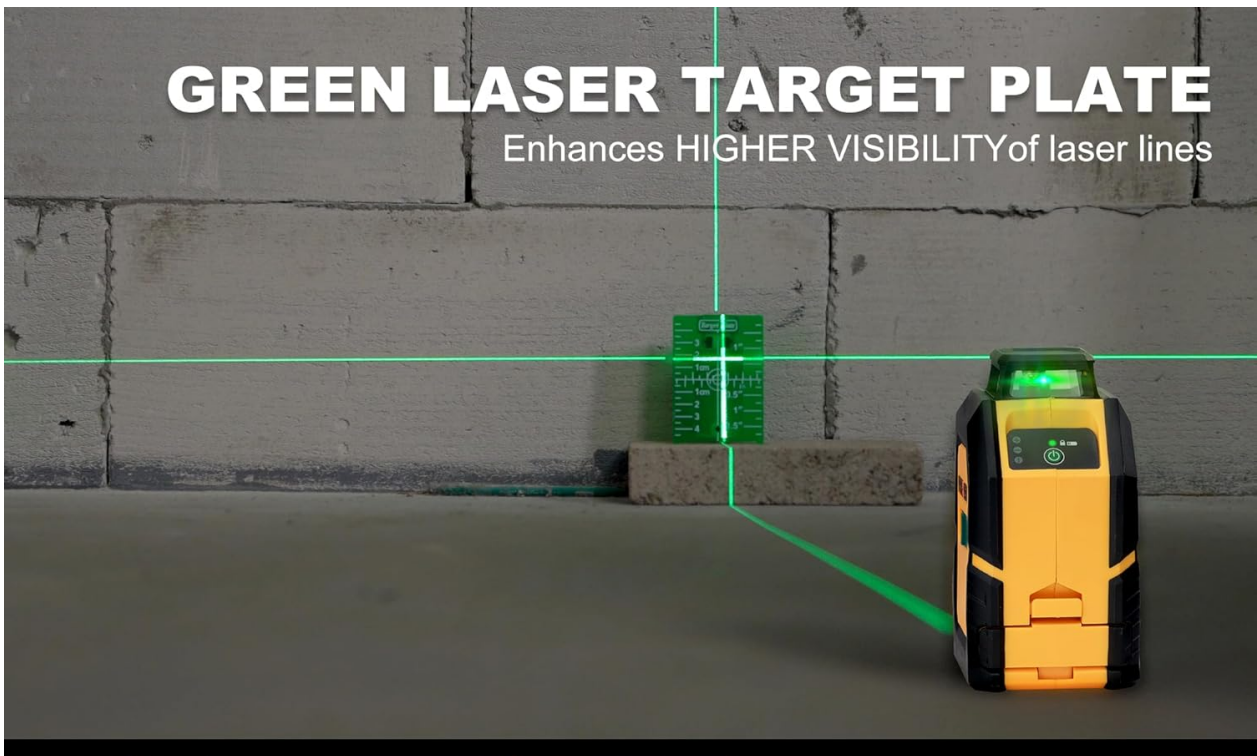
The included green glasses are designed to enhance the visibility of the green laser lines, especially in bright lighting conditions. They are adjustable for comfort. **Note:** These glasses do not provide protection against direct laser exposure.

Target Plate

The green target plate helps to increase the visibility of the laser line and provides a surface for precise marking or measurement, particularly over longer distances or in challenging lighting.

GREEN LASER TARGET PLATE

Enhances HIGHER VISIBILITY of laser lines



GREEN GLASSES

Better recognition of green laser beams

Image: A split image showing the green laser glasses and a green laser target plate. The glasses are depicted enhancing the visibility of green laser beams, and the target plate is shown in use to mark laser lines.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the laser level and its accessories in the portable carry bag in a dry, cool place, away from direct sunlight.
- **Battery Removal:** If the device will not be used for an extended period, remove the batteries to prevent leakage and damage.
- **Calibration Check:** Periodically check the accuracy of the laser level. Refer to the specifications for accuracy tolerances.

TROUBLESHOOTING

Laser lines are blinking continuously in Self-Leveling Mode.

The device is tilted beyond its self-leveling range ($\pm 4^\circ$). Adjust the position of the laser level or tripod until it is within the acceptable range. The blinking will stop when it successfully self-levels.

Laser lines are dim or not visible.

- Check battery levels and replace if necessary.
- Ensure the laser aperture is clean and unobstructed.
- Use the included green glasses and target plate to enhance visibility, especially in bright environments.

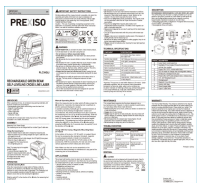
Laser level does not turn on.

- Verify that batteries are correctly installed and have sufficient charge.
- Ensure the Lock/Unlock switch is in the correct position for the desired operating mode (UNLOCK for self-leveling, LOCK then hold power button for manual).

SPECIFICATIONS



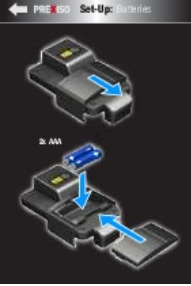


Feature	Detail
Brand	Prexiso
Model Number	PLC360SGA
Laser Type	Green Beam, Class II, <1mW
Self-Leveling Range	±4°
Accuracy	±5/16" at 50 Ft
Working Range	Up to 100 ft
Power Source	4 x AA Batteries (included)
Material	Plastic
Product Dimensions	5"L x 2.8"W
Item Weight	3.69 pounds (with accessories)
Tripod Height (Closed)	17 inches
Tripod Height (Extended)	37-1/2 inches

Related Documents - PLC360SGA



[Prexiso PLC30GLI Rechargeable Green Beam Self-Leveling Cross Line Laser User Manual](#)

User manual for the Prexiso PLC30GLI rechargeable green beam self-leveling cross line laser. Includes safety instructions, specifications, operation, maintenance, troubleshooting, and warranty information.

	<p>PREXISO PLC360SGT Green Beam Cross Line Laser Level with Tripod - User Manual</p> <p>Comprehensive user manual for the PREXISO PLC360SGT Green Beam Cross Line Laser Level with Tripod. Find detailed information on safety, operation, technical specifications, applications, maintenance, troubleshooting, and warranty. Features self-leveling 360° green beam laser.</p>
	<p>Prexiso PLV2 Multi Surface Laser Level User Manual</p> <p>Comprehensive user manual for the Prexiso PLV2 Multi Surface Laser Level, covering safety instructions, operation, applications, maintenance, troubleshooting, and warranty information. Includes technical specifications and EC declaration of conformity.</p>
	<p>Prexiso IC4 Laser Distance Meter User Manual and Safety Guide</p> <p>Comprehensive guide to the Prexiso IC4 laser distance meter, covering setup, operations, technical specifications, care, warranty, and safety instructions. Learn how to measure, add, subtract distances, and understand device settings and laser safety.</p>
	<p>Prexiso P1P3M 2-in-1 Compact Magnetic Laser Torpedo Level User Manual</p> <p>User manual for the Prexiso P1P3M, a 2-in-1 compact magnetic laser torpedo level. Includes safety instructions, technical specifications, operation guidelines, maintenance, troubleshooting, and warranty information.</p>
	<p>Prexiso PTD180 7" Digital Spirit Level - User Manual and Specifications</p> <p>Comprehensive user guide for the Prexiso PTD180 7-inch digital spirit level. Covers product description, features, parts, operation instructions, technical specifications, safety guidelines, maintenance, warranty, and EC declaration of conformity.</p>