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› ENGiNDOT SC-L01 Self-Leveling Cross Line Laser Level User Manual

ENGINDOT SC-L01

ENGiNDOT SC-L01 Self-Leveling Cross Line Laser Level User Manual

Model: SC-L01

INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your ENGiNDOT SC-L01 Self-Leveling Cross Line Laser Level. Please read this manual thoroughly before using the device and retain it for future reference. The ENGiNDOT SC-L01 is designed for various leveling and alignment tasks, offering both self-leveling and manual modes for versatility.



Image: The ENGiNDOT SC-L01 laser level projecting cross lines for alignment tasks.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the device:

- **Laser Radiation:** Do not stare directly into the laser beam. Avoid direct eye exposure.
- **Children:** Keep the device out of reach of children.
- **Environment:** Use the device in a well-lit area. Avoid using it in explosive atmospheres.
- **Maintenance:** Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel.
- **Batteries:** Ensure batteries are inserted with correct polarity. Do not mix old and new batteries or different types of batteries. Remove batteries if the device will not be used for an extended period.

PACKAGE CONTENTS

Verify that all items are present in the package:

- ENGiNDOT Laser Level SC-L01
- Magnetic Mounting Plate
- Nylon Zippered Pouch
- 2 x AAA Batteries
- User Manual (this document)

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Video: An overview of the ENGiNDOT SC-L01 Laser Level and its included accessories.

SETUP

1. Installing Batteries

1. Locate the battery compartment on the bottom of the device.
2. Open the battery compartment cover.
3. Insert 2 AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.



Suitable for different fixing methods
Metal, wood, wall, or with tripod

Image: The laser level's battery compartment and various fixing methods, including magnetic mounting and tripod use.

2. Mounting the Device

The ENGiNDOT SC-L01 offers flexible mounting options:

- **Magnetic Mounting:** Attach the magnetic mounting plate to metal surfaces. The laser level can then be rotated 360 degrees on the plate.
- **Tripod Mounting:** The device features a 1/4-20 mounting thread on its base, compatible with standard camera tripods for stable positioning.

OPERATING INSTRUCTIONS

1. Powering On/Off

- To turn on the device, slide the Power/Lock switch to the unlocked position and press the Power Button.
- To turn off the device, slide the Power/Lock switch to the locked position and press the Power Button.

2. Operating Modes

The laser level features two operating modes:

- **Self-Leveling Mode:**

Slide the Power/Lock switch to the unlocked position. The laser will automatically self-level within 4 degrees. If the device is outside this range, the laser beams will flash to indicate it cannot self-level. This mode is ideal for achieving perfectly horizontal and vertical lines.

- **Manual Mode:**

Slide the Power/Lock switch to the locked position. The laser lines will be projected, but they will not self-level. This mode allows you to project lines at any desired angle, useful for tasks like installing handrails or decorative patterns.



Image: Illustration of the two operating modes: self-leveling for automatic horizontal/vertical lines and manual mode for angled projections.

Your browser does not support the video tag.

Video: Demonstrates how to turn off the laser in self-leveling mode and switch between modes.

3. Applications

The ENGiNDOT SC-L01 is suitable for various tasks, including:

- Tiling installation
- Picture and photo hanging
- Door and window installation
- Furniture alignment
- General interior decoration and construction tasks



Image: Examples of the laser level in use for tasks such as floor tiling, wall decoration, and picture hanging.

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

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents. Keep the laser windows clean for optimal visibility.
- **Storage:** Store the device in its zippered pouch in a dry, cool place when not in use. Remove batteries for long-term storage.
- **Durability:** The device features an IP54 water/debris resistant over-molded housing and TPE material wrapped rubber for enhanced durability. While robust, avoid unnecessary drops or impacts.



Image: The laser level highlighting its IP54 dustproof and waterproof design, indicating its suitability for various work environments.

Problem	Possible Cause	Solution
Laser does not turn on.	Batteries are dead or incorrectly inserted.	Check battery polarity and replace batteries if necessary.
Laser lines are flashing in self-leveling mode.	Device is outside its self-leveling range (over 4 degrees tilt).	Place the device on a more level surface.
Laser lines are dim or not visible.	Ambient light is too bright; laser windows are dirty.	Use in lower light conditions or clean laser windows.
Inaccurate measurements.	Device not properly calibrated or damaged.	Ensure the device is on a stable surface. If issues persist, contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	ENGiNDOT
Model	SC-L01
Material	Acrylonitrile Butadiene Styrene, Rubber
Color	Orange, Black
Product Dimensions (L x W)	2.95"L x 2.6"W
Item Weight	0.46 Kilograms
Operation Mode	Self-leveling mode, Manual mode
Self-Leveling Range	Within 4°
Accuracy	± 1/8 inch at 33 Ft
Visibility Range	Up to 50ft
Water/Debris Resistance	IP54
Mounting Thread	1/4-20
Battery Type	AAA (2 included)

WARRANTY AND SUPPORT

ENGiNDOT is committed to providing quality products and customer satisfaction. For any questions, technical support, or warranty claims, please contact us. We offer 24-hour quick response and product technical support for every customer.

Please refer to your purchase documentation or the official ENGiNDOT website for the most up-to-date warranty information and contact details.