GOCHIFIX LG0116

GOCHIFIX 4x360 16-Line 4D Green Laser Level LG0116 User Manual

1. Introduction

This user manual provides comprehensive instructions for the safe and effective operation of your GOCHIFIX 4x360 16-Line 4D Green Laser Level, model LG0116. This precision tool is designed for various leveling and alignment tasks in construction and home improvement projects, offering high visibility green laser lines for accurate measurements.

2. Safety Instructions

WARNING: LASER RADIATION

- This product is a Class II laser device with an output power of <1.0 mW and a wavelength of 520 nm.
- Avoid direct eye exposure to the laser beam. Staring into the beam can cause eye injury.
- Do not disassemble the laser level. Unauthorized modifications can result in hazardous laser radiation exposure.
- Keep the device out of reach of children.
- Use the device only as specified in this manual to prevent potential hazards.

3. Package Contents

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

- 1x GOCHIFIX 4x360 16-Line Laser Level (LG0116)
- 1x 5.2 Ah Lithium-Ion Battery
- 1x Battery Charger
- 1x Remote Control
- 1x Fine-tuning Multifunctional Bracket
- 1x 360° Rotating Base

- 1x Mounting Clip
- 1x Metal Plate
- 1x Lifting Base
- 1x Portable Storage Bag
- 1x USB Power Cord
- 1x User Manual



Figure 3.1: Package Contents. This image displays the GOCHIFIX LG0116 laser level along with its complete set of accessories, neatly arranged, including the lifting base, metal plate, remote control, 16-line laser level unit, portable storage bag, USB power cord, 5200 mAh battery, mounting clip, 360° rotating base, battery charger, and fine-tuning multifunctional bracket.

4. Product Overview and Features



Figure 4.1: GOCHIFIX LG0116 Laser Level. The main product image showcasing the laser level with its green laser lines active, accompanied by a lifting base and a magnetic bracket for versatile positioning.

4.1. 4x360° Laser Lines

The LG0116 features two horizontal 360° laser lines and two vertical 360° laser lines. This configuration provides comprehensive coverage for floors, walls, and ceilings, with lines intersecting at a precise 90° angle for efficient layout visualization.



Figure 4.2: Horizontal and Vertical Laser Lines. This image illustrates the laser level projecting distinct horizontal and vertical green lines, along with a remote control for convenient operation.

4.2. Self-Leveling and Manual Modes

The device offers both self-leveling and manual modes. In self-leveling mode, the laser automatically levels within a range of ±4°. If the device is placed outside this range, an audible alarm will sound, and the laser lines will flash. Manual mode allows the user to lock the pendulum, enabling the projection of lines at any desired angle.

4.3. Pulse Mode

The enhanced pulse mode extends the working range of the laser up to 200 feet (approximately 60 meters) when used with a compatible laser receiver (receiver not included). This feature is beneficial for outdoor applications or in brightly lit environments where direct laser visibility may be reduced.



Figure 4.3: Operating Modes. This graphic explains the self-leveling function (auto-alarm when >4°, self-leveling when ≤4°), manual/tilt mode for multi-angle lines, and pulse mode for extended range with detectors.

4.4. Sharp 520 Green Laser Diode

Equipped with a Sharp 520 green laser tube, the LG0116 provides laser lines that are significantly brighter and more visible than traditional red lasers. This ensures high precision and clear visibility for various tasks.



Figure 4.4: Sharp Laser Diode. This image emphasizes the Sharp 520 laser diode, noting its high accuracy of ±1/9" at 33ft, Class II laser rating, and a working range up to 100ft, ensuring high brightness, precision, and clear visibility.

4.5. Versatile Mounting Options

The LG0116 offers multiple mounting solutions for adaptability to different work environments. These include magnetic suction, flat placement, 360° rotation, and compatibility with tripods using 1/4"-11 and 5/8"-20 mounting threads. A fine-tuning bracket, lifting base, metal plate, and mounting clip are included for enhanced versatility.



Figure 4.5: Multiple Ways of Placing. This graphic demonstrates the laser level's adaptability with a fine-tuning magnetic bracket, a lifting base for convenient height adjustment, and a 360° rotating base for precise adjustments, compatible with various tripods.

4.6. Rechargeable Battery

The device is powered by a high-capacity 5.2 Ah lithium-ion battery, providing 4.5 to 10 hours of continuous operation depending on the number of laser units active. The laser level can also be charged while in use, ensuring uninterrupted productivity.



Figure 4.6: Rechargeable Battery. This image illustrates the 5200 mAh battery and its integration with the laser level, detailing the continuous working time ranging from 5 to 21 hours depending on the number of laser units in operation.

4.7. Durable Design

Constructed for durability, the LG0116 features an IP54 rating, making it resistant to dust and water splashes. Its robust design also provides drop resistance, ensuring reliability in demanding work environments.



Figure 4.7: IP54 & ABS + TPU Covered. This graphic highlights the laser level's durable construction, showcasing its waterproof, dustproof, and drop-resistant capabilities with an IP54 rating and robust ABS + TPU covering.

5. Operation Guide



Figure 5.1: Product Parts and Controls. This diagram labels key components such as the 1/4" thread mount, level indicator, vertical laser line button, manual mode/pulse mode button, horizontal laser line button, charging port, battery, and ON/OFF switch.

5.1. Powering On/Off

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

5.2. Switching Modes

- **Self-Leveling Mode:** With the ON/OFF switch in the 'ON' position, the laser will automatically self-level. If the device is tilted beyond ±4°, the laser lines will flash rapidly and an alarm will sound.
- **Manual Mode:** To activate manual mode, slide the ON/OFF switch to the 'OFF' position. Then, press and hold the power button (often combined with the pulse mode button) for approximately 3 seconds. This locks the pendulum, allowing you to project lines at any angle without self-leveling.
- **Pulse Mode:** Press the pulse mode button (indicated by a sun/wave icon) to activate pulse mode. This mode is used with a laser receiver to extend the working range and improve visibility in bright conditions.

5.3. Line Selection

- Press the 'H' button to activate or deactivate horizontal laser lines.
- Press the 'V' button to activate or deactivate vertical laser lines.

5.4. Using the Remote Control

The included remote control allows for convenient activation and deactivation of horizontal ('H') and vertical ('V') laser lines from a distance, enhancing operational flexibility.

5.5. Mounting the Device

Utilize the various included accessories for optimal positioning:

- **Magnetic Bracket:** Attach the laser level to metal surfaces using the magnetic bracket for quick and secure positioning.
- **Lifting Base:** Use the lifting base for convenient height adjustment of the laser lines.
- **360° Rotating Base:** The rotating base allows for precise angular adjustments of the laser lines.
- **Tripod Compatibility:** The device features 1/4"-11 and 5/8"-20 mounting threads for compatibility with standard tripods (tripod not included).

6. Battery Management

The GOCHIFIX LG0116 is powered by a 5.2 Ah lithium-ion battery. To install, open the battery compartment and insert the battery, ensuring correct polarity. To charge, connect the battery charger to the device's charging port using the USB power cord. The device can be operated while charging.

7. Maintenance and Storage

- Clean the laser windows and the device exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Store the laser level in its portable storage bag in a dry, cool environment, away from direct sunlight and extreme temperatures.
- If storing for extended periods, remove the battery to prevent potential damage.

8. Troubleshooting

- **Laser lines flashing and alarm sounding:** This indicates the device is outside its self-leveling range (±4°). Reposition the laser level on a more stable and level surface, or switch to manual mode if angled lines are desired.
- **Laser not turning on:** Check if the battery is fully charged and correctly inserted. Ensure the ON/OFF switch is in the 'ON' position.
- **Laser lines not visible:** In bright conditions or over long distances, activate pulse mode and use a compatible laser receiver (not included) for enhanced visibility.

9. Technical Specifications

Feature	Specification
Manufacturer	GOCHIFIX

Feature	Specification
Model Number	LG0116
Color	Green
Laser Lines	4x360° (2 Horizontal, 2 Vertical), 16 lines
Material	Metal, Plastic
Power Source	Battery Powered
Battery Type	Lithium Ion (5.2 Ah)
Self-Leveling Range	±4°
Laser Class	Class II, <1.0 mW
Laser Wavelength	520 nm
Working Range (Pulse Mode)	Up to 200 ft (with receiver)
IP Rating	IP54 (Dustproof and Splashproof)
Product Weight	1.97 kg
Package Dimensions	24.3 x 20.2 x 18.7 cm

10. Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official GOCHIFIX website. Keep your purchase receipt as proof of purchase.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question