

CIGMAN CM-G01T

CIGMAN CM-G01T Laser Level User Manual

Model: CM-G01T

1. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the CIGMAN CM-G01T Laser Level. Failure to follow these instructions may result in laser radiation exposure, electric shock, fire, or serious injury.

- **Laser Radiation:** This product emits a Class II laser beam. Do not stare directly into the laser beam. Avoid direct eye exposure. Laser output is less than 1mW.
- **Children:** Keep the device out of reach of children.
- **Operating Environment:** Do not operate the laser level in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Maintenance:** Do not attempt to modify or disassemble the laser level. Repairs should only be performed by authorized service personnel.
- **Battery Safety:** Use only the specified battery type. Ensure correct polarity when inserting batteries. Remove batteries if the device will not be used for an extended period.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- CIGMAN CM-G01T Laser Level
- Dustproof Bag
- Batteries (x2)
- Tripod (x1)
- Instruction Manual



Image: Contents of the CM-G01T package, showing the laser level, tripod, two batteries, a dustproof bag, and the instruction manual.

3. PRODUCT OVERVIEW

The CIGMAN CM-G01T is a compact and lightweight green cross line laser level designed for various leveling and alignment tasks. It features high visibility green lasers, multiple operating modes, and comes with an adjustable tripod for versatile use.



Image: Overview of the CIGMAN CM-G01T Laser Level, demonstrating its green cross lines and key features.

Tripod Features

The included tripod is adjustable from 38 cm to 93 cm, providing flexible height settings for various applications. It features a movable pan head and angle adjustment for precise positioning.



Image: Detailed features of the adjustable tripod, including its height range, locking mechanisms, and anti-slip feet.

4. SETUP

Follow these steps to set up your CIGMAN CM-G01T Laser Level with the included tripod:

1. **Insert Batteries:** Open the battery compartment and insert the two provided batteries, ensuring correct polarity.
2. **Adjust Tripod Height:** Extend the tripod legs and adjust them to your desired working height (between 38 cm and 93 cm). Secure the leg locks.
3. **Mount Laser Level:** Place the laser level onto the tripod's quick-release plate. Tighten the fixing screw to secure the laser level firmly to the tripod.
4. **Position Vertically:** Ensure the laser level is positioned vertically on the tripod. Use the dedicated fixing screw to confirm its position.
5. **Fine-Tune Angle:** Make fine adjustments using the pan head to achieve the precise vertical and horizontal angle required for your task.



Image: Step-by-step guide for mounting and adjusting the laser level on the tripod.

5. OPERATING MODES

The CIGMAN CM-G01T Laser Level offers multiple operating modes to suit different applications.

5.1. Automatic Leveling Mode

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

- **Activation:** Unlock the pendulum by sliding the lock switch. The laser level will automatically self-level within a range of $\pm 4^\circ$.
- **Indication:** If the device is placed on a surface that is outside the $\pm 4^\circ$ self-leveling range, the laser lines will flash to indicate that it cannot self-level. Adjust the position of the device until the lines stop flashing.

自動水平モード

高精度 $\pm 3\text{mm}/10\text{m}$



Image: Laser level operating in automatic leveling mode, projecting horizontal and vertical lines.

5.2. Manual Mode

Manual mode allows you to project laser lines at any desired angle, useful for non-level applications.

- **Activation:** Lock the pendulum by sliding the lock switch. This disables the self-leveling function.
- **Angle Adjustment:** You can now freely tilt the device to project laser lines at any angle, suitable for tasks like installing handrails on stairs or decorative patterns.



Image: Laser level operating in manual mode, projecting angled lines for specific tasks.

5.3. Pulse Mode

Pulse mode extends the working range of the laser level, especially useful for outdoor applications or in bright conditions.

- **Activation:** Press and hold the power button to activate pulse mode.
- **Extended Range:** When used with an optional laser receiver (e.g., CIGMAN CLD100), the working distance can be extended up to 50 meters.



Image: Laser level in pulse mode, showing extended range with an external receiver.

5.4. Brightness Adjustment

The laser level features 4 levels of brightness adjustment to optimize visibility and battery life.

- **Adjustment:** Press the brightness adjustment button to cycle through the four brightness levels (100%, 75%, 50%, 25%).
- **Battery Life:** Lower brightness settings conserve battery power, allowing for longer continuous operation (up to 28 hours in energy-saving mode).

CM-G01T 付属三脚架



他磁気スタンド



Image: Visual representation of the four brightness levels for the green laser.

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your CIGMAN CM-G01T Laser Level.

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents. Ensure the laser output window is clean for optimal visibility.
- **Storage:** Store the laser level in its dustproof bag in a dry, cool place when not in use. Remove batteries if storing for extended periods.
- **Protection:** The device has an IP54 dustproof and splashproof rating, making it suitable for outdoor use. However, avoid direct exposure to heavy rain or submersion in water.
- **Calibration:** If you suspect the accuracy of the laser level has been compromised, contact customer support for calibration services.

7. TROUBLESHOOTING

If you encounter issues with your CIGMAN CM-G01T Laser Level, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Laser does not turn on.	Low or dead batteries; incorrect battery insertion.	Replace batteries or ensure they are inserted with correct polarity.
Laser lines are flashing in automatic mode.	Device is outside the $\pm 4^\circ$ self-leveling range.	Adjust the device's position until it is within the self-leveling range.
Laser lines are dim or not visible outdoors.	High ambient light; brightness setting is too low.	Increase brightness setting. Use pulse mode with an optional laser receiver for outdoor visibility.

Problem	Possible Cause	Solution
Laser lines are not straight or accurate.	Device is not properly leveled (in auto mode); pendulum is locked (in auto mode).	Ensure the device is within the self-leveling range and the pendulum is unlocked for automatic mode. If issues persist, contact customer support for calibration.

8. SPECIFICATIONS

Feature	Specification
Brand	CIGMAN
Model	CM-G01T
Laser Color	Green
Laser Class	Class II (<1mW)
Leveling Accuracy	±0.3mm/m
Self-Leveling Range	±4°
Operation Modes	Automatic, Manual, Pulse
Working Distance	Up to 50m (with optional receiver in pulse mode)
Brightness Adjustment	4 levels
Battery Life	Up to 28 hours (in energy-saving mode)
IP Rating	IP54 (Dustproof, Splashproof)
Tripod Height	38 cm - 93 cm (adjustable)
Dimensions (Laser Level)	6.99 x 4.5 x 6.99 cm
Weight (Laser Level)	190g

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the product packaging or contact CIGMAN customer service directly. You can typically find contact details on the manufacturer's official website or within the product documentation.

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