

CIGMAN CM-G01

CIGMAN CM-G01 Laser Level User Manual

Self-Leveling Cross Line Laser Level

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1. PRODUCT OVERVIEW

The CIGMAN CM-G01 Laser Level is a compact and versatile self-leveling cross line laser tool designed for various indoor decoration and DIY projects. It projects bright green laser lines, offering high visibility and accuracy for tasks such as hanging pictures, laying tiles, and aligning installations.



Image: The CIGMAN CM-G01 Laser Level, showing its compact design and the bright green horizontal and vertical laser lines it projects.

Key Features:

- **Compact and Portable:** Weighing only 0.41 pounds (0.19 kg) with dimensions of 2.8"L x 2.2"W, making it easy to handle and transport for various projects.
- **Easy One-Switch Operation:** Simple slide mechanism to unlock the pendulum for instant laser projection.
- **High Visibility Green Laser:** Projects a green laser beam that is four times brighter than standard red lasers, enhancing visibility for indoor use.
- **Self-Leveling and Manual Modes:** Automatically levels within 4 degrees, with an option to switch to manual mode for projecting lines at any desired angle.
- **High Accuracy:** Achieves an accuracy of $\pm 0.3\text{mm}$ per meter, minimizing errors.
- **L-Magnetic Bracket:** Includes a magnetic L-shaped bracket for versatile mounting options on metal surfaces or tripods.
- **Durable Design:** Features IP54 dust and water resistance for reliable performance in various working conditions.
- **Pulse Mode:** Extends working range up to 164 ft (50m) when used with a compatible laser receiver (sold separately).

PORTABLE & LIGHTWEIGHT

0.41lb



2.75 inch * 1.77 inch * 2.75 inch

Image: A hand holding the CIGMAN CM-G01 laser level, illustrating its compact and lightweight design, ideal for portability.



Image: The CIGMAN laser level demonstrating its IP54 rating, indicating resistance to dust and water splashes, suitable for various job site conditions.

2. SAFETY INFORMATION

WARNING: Read and understand all instructions before using this laser level. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

- **Laser Safety:** This product emits a Class II laser beam. Do not stare directly into the laser beam. Avoid direct eye exposure.
- **Indoor Use Only:** The green laser beam is optimized for indoor visibility. While it may be visible outdoors in low light, its performance is best suited for indoor applications.

- **Battery Safety:** Use only the specified battery type (2 AAA batteries). Ensure correct polarity (+/-) when inserting batteries. Do not mix old and new batteries or different types of batteries. Remove batteries if the device is not used for extended periods.
- **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 qualified service personnel.
- **Children:** Keep the laser level out of reach of children.

3. WHAT'S IN THE BOX

Upon opening your CIGMAN CM-G01 Laser Level package, you should find the following items:

- 1x CIGMAN CM-G01 Laser Level Tool
- 1x Magnetic L-Shaped Bracket
- 1x User Manual
- 2x AAA Batteries (included)



Image: The complete package contents, including the laser level, magnetic L-bracket, user manual, and AAA batteries.



Image: A visual representation of the items included in the product package, confirming the laser level, magnetic

4. GETTING STARTED

4.1 Battery Installation

1. Locate the battery compartment on the back or side of the laser level.
2. Open the battery compartment cover.
3. Insert 2 AAA batteries, ensuring the correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

4.2 Initial Power On

To power on the device and activate the laser lines:

- Locate the sliding switch on the side of the unit.
- Slide the switch to the "UNLOCKED" position to activate the self-leveling mode and project the cross lines.

5. OPERATION

5.1 Self-Leveling Mode

This mode is ideal for applications requiring perfectly level or plumb lines.

- Ensure the laser level is placed on a relatively flat surface.
- Slide the power switch to the **"UNLOCKED"** position.
- The laser level will automatically self-level within ± 4 degrees. If the device is outside this range, the laser beam will flash rapidly to indicate it cannot self-level. Adjust the position of the device until the laser lines become steady.
- The device will project both horizontal and vertical cross lines.

5.2 Manual Mode

Use manual mode when you need to project lines at a specific angle, such as for staircase installations or decorative patterns.

- Slide the power switch to the **"LOCKED"** position. This locks the pendulum and disables the self-leveling function.
- Press and hold the power button on top of the unit for approximately 1 second to turn on the laser lines.
- You can now tilt the laser level to project lines at any desired angle. The laser lines will not flash in this mode, indicating they are not self-leveled.

Easy to get going and use



Manual mode



Just press for 1 seconds

Self-leveling mode



Pendulum Unlocked
Auto-adjustment



Image: Illustration of the easy one-switch operation, demonstrating how to activate self-leveling mode by unlocking the pendulum and manual mode by pressing the power button while locked.



MANUAL MODE
Press and hold the "⏻" to turn it on



SELF-LEVELING MODE
Switch to the "UNLOCKED" side



Image: A visual guide differentiating between Manual Mode (locked pendulum, press button to activate) and Self-Leveling Mode (unlocked pendulum, auto-adjustment).

5.3 Brightness Adjustment

The CIGMAN CM-G01 features adjustable brightness settings to suit various lighting conditions.

- While the laser is on, short press the power button to cycle through the available brightness levels (e.g., 100%, 75%, 50%, 25%).
- Select the brightness that provides optimal visibility for your working environment.



Image: An illustration demonstrating the four adjustable brightness levels (100%, 75%, 50%, 25%) of the laser level, allowing adaptation to different lighting conditions.

5.4 Using the Magnetic L-Shaped Bracket

The included magnetic L-shaped bracket provides versatile mounting options for the laser level.

- Attach the laser level to the bracket using the 1/4"-20 thread mount at the bottom of the unit.
- The bracket features strong magnets, allowing you to securely attach the laser level to metal surfaces (e.g., steel studs, metal door frames).
- The bracket also has a hole for hanging on a screw or nail, and it can be mounted on most standard tripods (tripod not included).
- The bracket allows for 360-degree rotation of the laser level for precise alignment.



Image: The CIGMAN laser level attached to its magnetic L-bracket, demonstrating its ability to be mounted on metal surfaces and rotated for precise positioning.



Image: A detailed view of the L-Magnetic Mount, highlighting its magnetic attachment capability and compatibility

with 1/4" thread mounts for tripods.

5.5 Pulse Mode

Pulse mode is designed for extending the working range of the laser level, especially when working in brighter conditions or over longer distances, by using an optional laser receiver.

- To activate Pulse Mode, ensure the device is in Self-Leveling Mode (pendulum unlocked).
- Press the power button briefly. The laser lines will become slightly dimmer and enter pulse mode.
- In this mode, the laser level can be used with a CIGMAN CLD100 laser receiver (sold separately) to detect the laser beam up to 164 feet (50 meters).
- Press the power button again to exit Pulse Mode.



Image: The CIGMAN laser level operating in Pulse Mode, demonstrating its extended working range of up to 50 meters when paired with a CLD100 receiver.

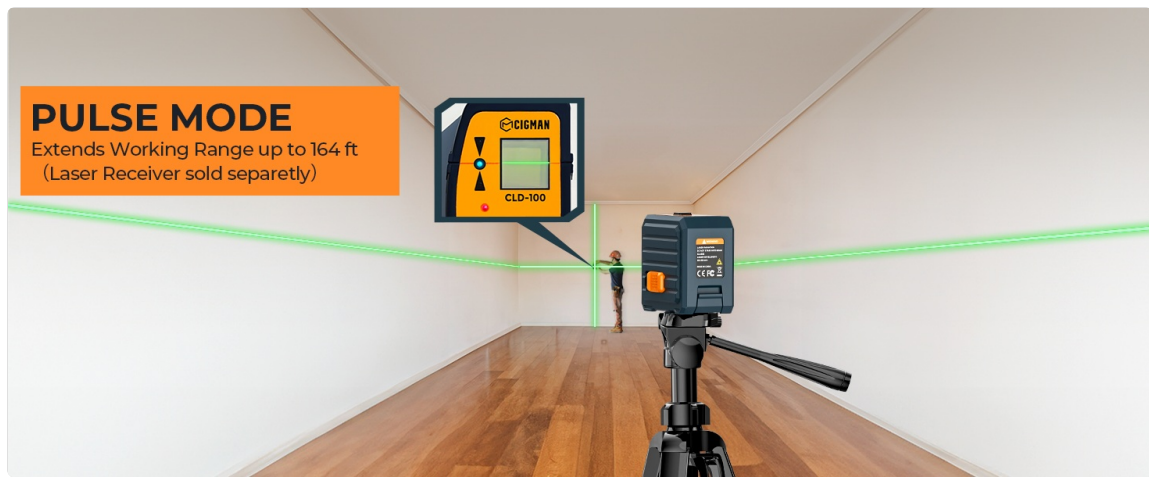


Image: A diagram illustrating the functionality of Pulse Mode, which extends the working range up to 164 ft when used with a separate laser receiver.

5.6 Typical Applications

The CIGMAN CM-G01 Laser Level is suitable for a variety of home improvement and DIY tasks:

- **Picture Hanging:** Ensures frames are perfectly aligned horizontally and vertically.
- **Cabinet Installation:** Provides accurate reference lines for mounting cabinets and shelves.
- **Floor Tile Laying:** Helps in achieving straight and even tile patterns.
- **Wall Drilling:** Guides precise drilling for fixtures and fittings.
- **Wallpapering:** Assists in applying wallpaper straight.
- **Decorative Projects:** Useful for creating patterns or aligning decorations.

Ideal For Home Renovation

Facilitates laser level tilt and swivel adjustments



Image: A collage of images showing the CIGMAN laser level being used for various home renovation tasks, including staircase alignment, floor tiling, cabinet installation, and wall decoration.

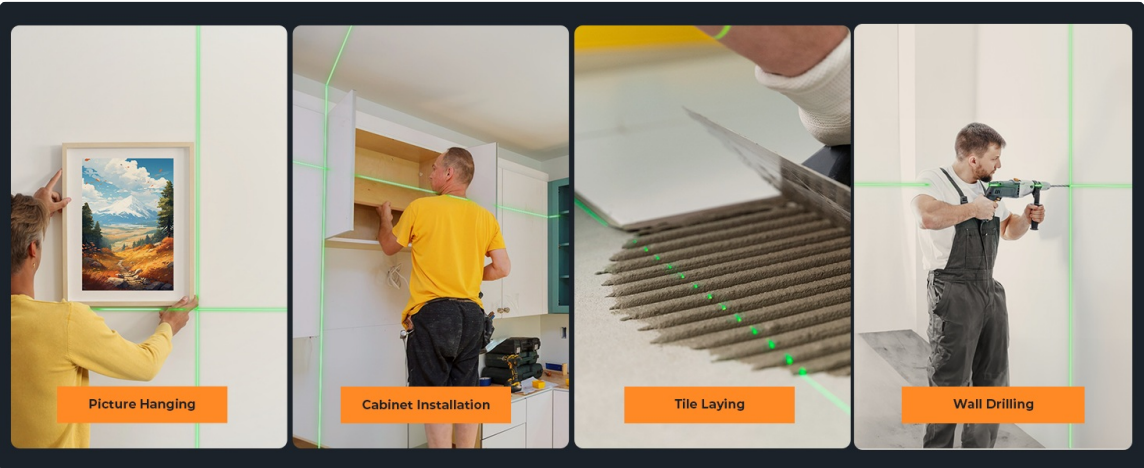


Image: A visual guide showcasing common applications of the laser level, such as hanging pictures, installing

cabinets, laying tiles, and guiding wall drilling.

6. CARE AND MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the laser level. Do not use abrasive cleaners or solvents. Keep the laser output window clean for optimal performance.
- **Storage:** When not in use, store the laser level in its original packaging or a protective case in a dry, dust-free environment. Ensure the pendulum is in the "LOCKED" position during storage to protect the internal mechanism.
- **Battery Removal:** If the device will not be used for an extended period, remove the batteries to prevent leakage and damage.
- **Avoid Extreme Temperatures:** Do not expose the laser level to extreme temperatures or direct sunlight for prolonged periods.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Laser lines are not visible or dim.	Low battery; dirty laser output window; too much ambient light.	Replace batteries; clean the laser window; reduce ambient light or use Pulse Mode with a receiver.
Laser lines are flashing rapidly in Self-Leveling Mode.	Device is outside its self-leveling range (± 4 degrees).	Adjust the position of the laser level to be within ± 4 degrees of true level.
Laser lines are not straight or accurate.	Device is in Manual Mode; device is not calibrated (rare).	Ensure the device is in Self-Leveling Mode (pendulum unlocked). If issues persist, contact customer support.
Device does not power on.	Batteries are dead or incorrectly inserted; power switch is not fully engaged.	Check and replace batteries; ensure correct polarity; fully slide the power switch.

8. SPECIFICATIONS

Attribute	Value
Brand	CIGMAN

Attribute	Value
Model Number	CM-G01
Style	Cross Line Laser Level
Laser Color	Green
Accuracy	±0.3mm per meter
Self-Leveling Range	±4 degrees
Working Range	Up to 100 feet (30 meters)
Working Range (with Receiver)	Up to 164 feet (50 meters) in Pulse Mode
Power Source	2x AAA Batteries (included)
Battery Life (Min. Brightness)	Up to 28 hours
Material	Metal, Plastic ABS
Product Dimensions	2.8"L x 2.2"W (approx.)
Item Weight	0.41 pounds (0.19 kg)
IP Rating	IP54 (Dust and Water Resistant)







9. WARRANTY AND SUPPORT

CIGMAN stands behind the quality of its products. Your CIGMAN CM-G01 Laser Level comes with a comprehensive warranty and dedicated customer support.

- **Warranty Period:** The product includes a 36-month (3-year) after-sales service.
- **Customer Support:** If you have any questions, concerns, or require assistance with your product, please contact CIGMAN customer service. Our professional technology team is available online 24 hours to assist you.
- For the most up-to-date contact information, please refer to the official CIGMAN website or the contact details provided on your product packaging.

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This manual is for informational purposes only. Specifications are subject to change without notice.

 <p>CIGMAN User Manual Laser Level Model CM-720SE</p>	<p>CIGMAN CM-720SE Laser Level User Manual</p> <p>User manual for the CIGMAN CM-720SE Laser Level. This guide covers safety, operation, product overview, specifications, and maintenance for the self-leveling laser tool with 2 x 360° green cross lines, suitable for construction, picture hanging, and decoration.</p>
 <p>CIGMAN User Manual Laser Level Model CM-701</p>	<p>CIGMAN CM-701 Laser Level User Manual</p> <p>Comprehensive user manual for the CIGMAN CM-701 Laser Level, covering safety notes, intended use, operation modes, specifications, troubleshooting, maintenance, and warranty information.</p>
 <p>CIGMAN Laserová křížová vodováha Uživatelská příručka CM-G02/G02A</p>	<p>CIGMAN CM-G02/G02A Laser Cross Level User Manual</p> <p>Comprehensive user manual for the CIGMAN CM-G02 and CM-G02A laser cross level. Includes specifications, operation instructions, safety guidelines, and maintenance tips.</p>
 <p>CIGMAN Laserová křížová vodováha Uživatelská příručka CM-G02/G02A</p>	<p>CIGMAN CM-G02/G02A Laserová Křížová Vodováha Uživatelská Příručka</p> <p>Uživatelská příručka pro laserovou křížovou vodováhu CIGMAN model CM-G02 a CM-G02A. Obsahuje specifikace, bezpečnostní pokyny, návod k obsluze a údržbě.</p>
 <p>CIGMAN Uživatelská příručka Laserová vodováha Model CM-S02</p>	<p>CIGMAN CM-S02 Uživatelská příručka: Laserová vodováha</p> <p>Kompletní uživatelská příručka pro laserovou vodováhu CIGMAN CM-S02. Obsahuje bezpečnostní pokyny, přehled funkcí, návod k obsluze, informace o Bluetooth aplikaci, údržbě a technické specifikace.</p>
 <p>CIGMAN Uživatelská příručka Laserová vodováha Model CM-701</p>	<p>CIGMAN CM-701 Laser Level User Manual</p> <p>User manual for the CIGMAN CM-701 laser level, covering safety instructions, intended use, initial operation, product overview, remote control, operating modes, specifications, troubleshooting, maintenance, and warranty information.</p>