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Model: DW088CG

1. INTRODUCTION

The DEWALT DW088CG is a green cross line laser level designed for various leveling and layout applications. It projects bright horizontal and vertical lines, offering enhanced visibility and range. This durable tool features an overmolded housing, providing resistance to drops up to 1 meter. It can achieve an extended range of up to 330 ft when used with a compatible detector (sold separately).



Figure 1.1: DEWALT DW088CG Cross Line Laser Level, front view.

2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in serious injury.

2.1 Laser Safety

This product is a Class 2 laser product. Do not stare directly into the laser beam. Do not intentionally direct the laser beam at others. Avoid direct eye exposure to the laser beam. Exposure to a Class 2 laser beam for a prolonged period can be hazardous to the eyes.

2.2 General Safety Precautions

- Keep the laser level out of reach of children and untrained persons.
- Do not attempt to modify or disassemble the laser level. There are no user-serviceable parts inside.
- Ensure the work area is clear of obstructions and potential hazards.
- Protect the tool from moisture and extreme temperatures. The unit has an IP54 rating for water and debris resistance, but it is not submersible.

2.3 Battery Safety

- Use only the specified type and size of batteries (3 AA batteries).
- Insert batteries with correct polarity (+ and -).
- Do not mix old and new batteries, or different types of batteries.
- Remove batteries if the tool is not to be used for an extended period.
- Dispose of used batteries properly according to local regulations.

3. PACKAGE CONTENTS

Upon opening the package, verify that all items are present and undamaged:

- DEWALT DW088CG Cross Line Laser Level
- Integrated Magnetic Bracket
- 3 AA Batteries (included)

4. PRODUCT OVERVIEW AND FEATURES

The DEWALT DW088CG is engineered for precision and durability, featuring a green beam laser for superior visibility.



Figure 4.1: Front view showing the laser aperture.

4.1 Key Features

- **Green Beam Laser:** Provides enhanced visibility and range compared to red lasers.
- **Durable Overmolded Housing:** Designed to withstand drops up to 1 meter.
- **Patented Integrated Magnetic Bracket:** Allows for easy attachment to metal surfaces.
- **Full-Time Pulse Mode:** Enables use with a detector (DW0892CG, sold separately) for extended range up to 300 ft.
- **IP54 Rating:** Offers resistance to water and debris.
- **Accuracy:** +/- 1/8-inch accuracy at 30 ft.
- **Visible Range:** Up to 100 ft visible range without a detector.
- **Tripod Mount:** Features a 1/4-inch - 20 thread mount for use with a tripod (sold separately).



Figure 4.2: Side view illustrating the integrated magnetic bracket.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment cover, typically on the side or back of the unit.
2. Open the cover by sliding or unlatching it.
3. Insert three (3) AA batteries, ensuring correct polarity (+ and -) as indicated inside the compartment.
4. Close the battery compartment cover securely.



Figure 5.1: Side view, indicating the general area of the battery compartment.

5.2 Mounting the Laser Level

The DW088CG offers versatile mounting options:

- **Integrated Magnetic Bracket:** Attach the laser level directly to metal surfaces such as steel studs or magnetic boards using the built-in magnetic bracket.
- **Tripod Mount:** For precise height adjustments and stable positioning, screw the laser level onto a standard tripod (with a 1/4-inch - 20 thread) using the mounting thread located on the bottom of the unit.
- **Flat Surface:** The unit can also be placed directly on a stable, flat surface.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

To turn the laser level ON, slide the power switch to the ON position. To turn the laser level OFF, slide the power switch to the OFF position.

6.2 Operating Modes

The DW088CG typically offers multiple projection modes:

- **Cross Line Mode:** Projects both horizontal and vertical laser lines simultaneously. This is the default mode when powered on.
- **Horizontal Line Mode:** Projects only the horizontal laser line. Press the mode selection button (often labeled with a horizontal line icon) to cycle to this mode.
- **Vertical Line Mode:** Projects only the vertical laser line. Press the mode selection button again to cycle to this mode.

6.3 Self-Leveling Function

The DW088CG features an automatic self-leveling pendulum system. When the unit is powered on and placed on a surface within its self-leveling range, the laser lines will automatically level themselves. If the unit is tilted beyond its self-leveling range, the laser lines may flash or indicate an out-of-level condition. Adjust the position of the unit until the lines stabilize and stop flashing.

6.4 Pulse Mode Operation

The full-time pulse mode allows the laser level to be used with a compatible laser detector (e.g., DEWALT DW0892CG, sold separately) for outdoor use or in bright conditions where the laser line may not be visible to the naked eye. To activate pulse mode, press the pulse mode button (often indicated by a receiver icon). The laser line may appear dimmer to the eye in this mode, but it will be detectable by the receiver.

7. MAINTENANCE

7.1 Cleaning

- Keep the laser level clean and free of dust and debris.
- Wipe the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Clean the laser aperture lens carefully with a soft, lint-free cloth to ensure clear projection.

7.2 Storage

- Store the laser level in a dry, cool place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, remove the batteries to prevent leakage and damage to the unit.
- Store the unit in its original case or a protective pouch to prevent damage.

7.3 Calibration Check

Periodically check the calibration of your laser level to ensure accuracy. Refer to the DEWALT official website or service center for detailed calibration procedures if you suspect an accuracy issue.

8. TROUBLESHOOTING

If you encounter issues with your DEWALT DW088CG, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Laser does not turn on.	Batteries are dead or incorrectly installed.	Replace batteries with new ones, ensuring correct polarity.
Laser lines are dim or invisible.	High ambient light; dirty laser lens.	Reduce ambient light if possible. Clean the laser lens. Activate pulse mode and use a laser detector for outdoor or bright conditions.
Laser lines are flashing.	Unit is out of self-leveling range.	Place the unit on a more level surface or adjust its position until the lines stabilize.
Inaccurate laser lines.	Unit is not stable; needs calibration.	Ensure the unit is on a stable, vibration-free surface. If issues persist, contact DEWALT service for calibration.

9. SPECIFICATIONS

Attribute	Specification
Brand	DEWALT
Model Number	DW088CG
Laser Beam Color	Green
Accuracy	+/- 1/8 inch at 30 ft
Visible Range	100 ft
Range with Detector	Up to 300 ft (with DW0892CG, sold separately)
Power Source	3 AA Batteries (included)
Material	Plastic
Item Weight	0.634 ounces
Product Dimensions	8.6 x 8.6 x 4.2 inches
Operation Mode	Automatic (Self-Leveling)
IP Rating	IP54 (Water and Debris Resistant)
Drop Rating	1 Meter
Tripod Mount	1/4 inch - 20 thread

10. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official DEWALT website or the warranty card included with your product. DEWALT provides comprehensive support for its products.

For technical assistance, service, or to locate an authorized service center, please visit the official DEWALT website or contact their customer support directly.

You can visit the DEWALT Store for more information: [DEWALT Store on Amazon](#)

