DEWALT DCLE34030G

DEWALT 20V/12V MAX Laser Level Kit Instruction Manual

Model: DCLE34030G

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT 20V/12V MAX Laser Level Kit. Please read this manual thoroughly before using the product and retain it for future reference.

The DEWALT DCLE34030G is a 3x360 green laser level designed for jobsite use. It operates on the 20V MAX* battery platform, offering extended runtime and seamless integration with existing DEWALT tools. It provides accurate measurements for various leveling and alignment tasks.

2. Safety Information

General Safety Warnings

- **WARNING:** Laser radiation. Do not stare into beam. Class II laser product. Power output <1mW.
- Always wear appropriate personal protective equipment (PPE) when operating power tools or working on a jobsite.
- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate laser levels in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a laser level. Distractions can cause you to lose control.

Electrical Safety

- Use only DEWALT specified batteries and chargers. Using any other batteries or chargers may create a risk of injury and fire.
- Do not expose battery packs or tools to fire or excessive temperature. Exposure to fire or temperature above 130°C (265°F) may cause explosion.
- Follow all charging instructions and do not charge the battery pack or tool outside of the temperature range specified in the instructions.

Laser Specific Safety

- Do not intentionally direct the laser beam at yourself or other persons.
- Do not operate the laser level if it is damaged. Have it repaired by a qualified service person using only identical replacement parts.
- Do not modify the laser level in any way. Unauthorized modifications may impair the safety of the product.

3. Package Contents

The DEWALT 20V/12V MAX Laser Level Kit (DCLE34030G) typically includes the following items:

- DEWALT 3x360 Green Laser Level
- 20V MAX* 2.0Ah Battery
- Battery Charger
- Target Card
- Drop Ceiling Attachment
- TSTAK Compatible Storage Case
- User Manual (this document)



Figure 3.1: Contents of the DEWALT 20V/12V MAX Laser Level Kit, including the laser level, battery, charger, target card, drop ceiling attachment, and TSTAK case.

4. Features

The DEWALT DCLE34030G Laser Level offers several key features for professional use:

- **3x360 Green Laser Lines:** Projects three bright green 360-degree lines (one horizontal, two vertical) for full room layout.
- **High Accuracy:** Provides accuracy within 1/8 inch at 30 feet.
- **Extended Range:** Up to 330 feet when used with a compatible laser detector (sold separately).
- **Fine Adjustment Knob:** Allows for precise positioning and alignment of the laser lines.
- **Long Runtime:** Up to 10 hours of continuous operation with a 20V MAX* 2.0Ah battery.
- **Integrated Magnetic Pivoting Base:** Features 1/4"-20 and 5/8"-11 threads for tripod mounting and strong magnets for attachment to metal surfaces.
- **Durable Design:** Overmolded case and IP54 rating provide resistance to dust and water splashes, ensuring jobsite durability.





Figure 4.1: The DEWALT laser level showing its integrated battery base and the magnetic pivoting base in an extended position.

5. Setup

5.1 Charging the Battery

1. Connect the charger to a standard electrical outlet.
2. Slide the 20V MAX* battery pack onto the charger until it clicks into place.
3. Allow the battery to charge fully. The charger's indicator light will show the charging status. Refer to your charger's manual for specific indicator patterns.
4. Once charged, remove the battery from the charger.

5.2 Installing the Battery

1. Ensure the laser level is turned off.
2. Align the charged battery pack with the battery port on the laser level's base.
3. Slide the battery pack into the port until it locks securely into place.

5.3 Mounting the Laser Level

The laser level can be mounted in several ways:

- **Flat Surface:** Place the laser level on a stable, flat surface.
- **Tripod:** Attach the laser level to a tripod using the 1/4"-20 or 5/8"-11 thread on its integrated magnetic pivoting base.
- **Metal Surfaces:** Use the strong magnets on the pivoting base to attach the laser level to metal studs, tracks, or other ferrous materials.
- **Drop Ceiling Attachment:** Utilize the included drop ceiling attachment for mounting to ceiling grids.



Figure 5.1: Examples of mounting the DEWALT laser level using its integrated magnetic base and a wall bracket, or directly to metal studs.

6. Operating Instructions

6.1 Powering On/Off

To turn the laser level on, slide the power switch to the "ON" position. To turn it off, slide the switch to the "OFF" position.

6.2 Selecting Laser Modes

The laser level features buttons to select different laser line configurations:

- Press the **Horizontal Line Button** to activate or deactivate the horizontal 360-degree line.
- Press the **Vertical Line Button** to activate or deactivate the vertical 360-degree lines. You can cycle through one vertical line, two vertical lines, or turn them off.
- Both horizontal and vertical lines can be active simultaneously.

6.3 Self-Leveling Mode

When the laser level is powered on and the pendulum is unlocked, it will automatically self-level. If the unit is outside its self-leveling range, the laser lines will blink rapidly to indicate it is not level. Adjust the position of the laser level until the lines become solid.

6.4 Manual Mode (Locked Pendulum)

To use the laser level for projecting lines at an angle (e.g., for stair railings), lock the pendulum. This disables the self-leveling feature, allowing the laser lines to be projected at any desired angle. The lines will not blink in manual mode.

6.5 Fine Adjustment

Use the fine adjustment knob located on the base of the unit to make small, precise rotational adjustments to the laser lines without moving the entire unit. This is particularly useful for aligning lines with existing marks or setting precise angles.

6.6 Using the Target Card

The included target card enhances the visibility of the laser beam, especially in bright conditions or at longer distances. Place the target card at the desired measurement point to easily locate the laser line.

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 apertures carefully with a soft, lint-free cloth to ensure clear beam projection.

7.2 Storage

- Always lock the pendulum before storing or transporting the laser level to prevent internal damage.
- Store the laser level in its TSTAK compatible storage case to protect it from impacts and environmental factors.
- Store the unit and batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, remove the battery from the laser level.

7.3 Calibration

The DEWALT DCLE34030G laser level is factory calibrated. If you suspect the accuracy has been compromised due to a drop or impact, it is recommended to have the unit checked and recalibrated by an authorized DEWALT service center. Do not attempt to recalibrate the unit yourself.

8. Troubleshooting

Problem	Possible Cause	Solution
Laser lines are blinking rapidly.	Unit is outside its self-leveling range.	Place the laser level on a more level surface or adjust its position until the lines become solid.
Laser lines are dim or not visible.	Low battery. Bright ambient light. Dirty laser aperture.	Charge or replace the battery. Use the target card or a laser detector (sold separately). Clean the laser aperture.
Unit does not turn on.	Battery not installed correctly. Battery is depleted. Power switch is off.	Ensure battery is fully seated. Charge the battery. Slide the power switch to the "ON" position.
Inaccurate measurements.	Unit dropped or impacted. Not properly self-leveled (lines blinking).	Contact an authorized DEWALT service center for calibration. Ensure the unit is within its self-leveling range and lines are solid.

9. Specifications

Attribute	Value
Model Number	DCLE34030G
Laser Type	3 x 360 Green Line Laser
Accuracy	±1/8 inch at 30 feet (±3.175 mm at 9.14 m)
Working Range	Up to 230 feet (70 m) / 330 feet (100 m) with detector (sold separately)
Power Source	DEWALT 20V MAX* / 12V MAX* Lithium Ion Battery
Runtime	Up to 10 hours (with 2.0Ah battery)
Laser Class	Class II
Power Output	<1mW
IP Rating	IP54 (Dust and Splash Resistant)
Item Weight	9.61 pounds (4.37 kg)
Product Dimensions	17.25"L x 13.75"W (43.8 cm x 34.9 cm)
UPC	076174440614

10. Warranty and Support

Warranty Information

DEWALT offers a limited warranty for its products. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official DEWALT website. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, service, or to locate an authorized service center, please contact DEWALT customer support. Contact information can typically be found on the DEWALT website or on the product packaging.
You can also refer to the official DEWALT website for additional resources and FAQs:www.dewalt.com

© 2025 DEWALT. All rights reserved. Specifications are subject to change without notice.

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