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## Bosch Professional GLL 3-80 CG (Model 0601063T00)

# Bosch Professional 12V System GLL 3-80 CG Line Laser Level

User Instruction Manual

## INTRODUCTION

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The Bosch Professional GLL 3-80 CG is a versatile line laser level designed for precise alignment and squaring tasks in various professional applications. Featuring highly visible green laser lines, this tool offers enhanced visibility and functionality. It projects one horizontal and two vertical laser lines, allowing for simultaneous leveling and alignment. The GLL 3-80 CG is equipped with advanced features such as remote control via a smartphone application and a calibration guard system to ensure accuracy.

## SAFETY INFORMATION

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**WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.**

- Do not stare directly into the laser beam.
- Do not point the laser beam at persons or animals.
- Use only original Bosch accessories and spare parts.
- Keep the tool out of reach of children.
- Protect the measuring tool from moisture and direct sunlight.

## PACKAGE CONTENTS

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The package includes the Bosch Professional GLL 3-80 CG Line Laser Level, a 12V battery, a quick charger, the BM 1 universal support, a laser target plate, a protective pouch, and an L-BOXX carrying case. Ensure all components are present and undamaged upon unpacking.

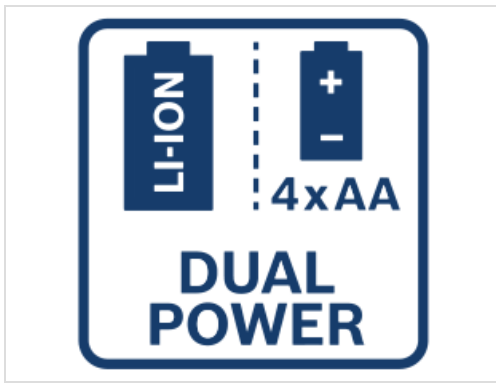
- GLL 3-80 CG Line Laser Level
- 12V Lithium-ion Battery
- Quick Charger
- BM 1 Universal Support
- Laser Target Plate
- Protective Pouch
- L-BOXX Carrying Case

## SETUP

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### 1. Battery Installation and Charging

The GLL 3-80 CG operates on a 12V Lithium-ion battery. Ensure the battery is fully charged before first use. Insert the battery into the designated slot on the device until it clicks into place. To charge, connect the charger to a power outlet and insert the battery.



The GLL 3-80 CG features Dual Power, allowing operation with either the 12V Li-Ion battery or 4x AA alkaline batteries (with an optional battery adapter, not included in this package). This provides flexibility for extended use.

## 2. Mounting the Device

The GLL 3-80 CG can be mounted on various surfaces using the BM 1 universal support or a tripod. The device has both 1/4" and 5/8" tripod threads for compatibility.



The laser level is equipped with both 1/4" and 5/8" mounting threads, ensuring compatibility with a wide range of tripods and mounting accessories.

## 3. Initial Power-On

To power on the device, slide the ON/OFF switch to the "ON" position. The laser lines will immediately project. The device will automatically self-level within a range of  $\pm 4$  degrees.

# OPERATING INSTRUCTIONS

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## 1. Laser Line Projection

The GLL 3-80 CG projects three highly visible green laser lines: one horizontal and two vertical. These lines intersect at 90-degree angles, enabling precise alignment and squaring tasks.



This image illustrates how the GLL 3-80 CG projects one horizontal and two vertical laser planes, creating a comprehensive 360-degree coverage for various leveling and alignment applications.



The GLL 3-80 CG utilizes green laser technology, which is up to four times more visible than red lasers, especially in bright indoor conditions, enhancing accuracy and ease of use.

## 2. Self-Leveling Function

The device automatically self-levels within a range of  $\pm 4$  degrees. If the device is outside this range, the laser lines will flash rapidly to indicate that it is not level. Adjust the position of the device until the lines stop flashing and become steady.



This image demonstrates the self-leveling capability of the GLL 3-80 CG, showing it in use for precise installation of ceiling components. The device automatically adjusts to ensure accurate horizontal and vertical lines.

### 3. Using the Bosch Levelling Remote App

The GLL 3-80 CG can be controlled remotely via the "Bosch Levelling Remote" smartphone application. This app allows you to:

- Select individual laser beams.
- Adjust laser intensity to conserve battery life.
- Rotate the device (if mounted on a compatible rotating base).
- Receive alerts for calibration control (Cal Guard).



The "Simply Connected" feature allows users to control the GLL 3-80 CG remotely via the Bosch Levelling Remote app on a smartphone, providing convenience and enhanced functionality.



The Cal Guard feature, accessible through the app, alerts users to potential calibration errors, ensuring the accuracy of measurements and providing details for necessary adjustments.

#### 4. Working Range

The laser lines are highly visible up to 30 meters (98 feet) without a receiver. For extended working ranges up to 80 meters (262 feet), use the optional LR 7 laser receiver (not included).

## MAINTENANCE

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### 1. Cleaning

Keep the measuring tool clean. Do not immerse the tool in water or other liquids. Wipe off dirt with a damp, soft cloth. Do not use cleaning agents or solvents.

### 2. Storage

Store the measuring tool in its protective pouch and L-BOXX case when not in use. Store in a dry, dust-free environment, away from direct sunlight and extreme temperatures.

### 3. Calibration Check

Regularly check the calibration of your GLL 3-80 CG, especially after significant impacts or temperature changes. The Cal Guard feature in the Bosch Levelling Remote app will notify you if a calibration check is recommended.

## TROUBLESHOOTING

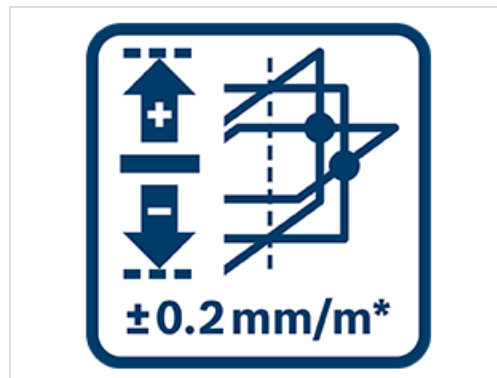
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Problem	Possible Cause	Solution
Laser lines are flashing rapidly.	Device is not within self-leveling range ( $\pm 4^\circ$ ).	Place the device on a more level surface or adjust its position until the lines become steady.
Laser lines are dim or not visible.	Low battery, bright ambient light, or laser intensity set too low.	Charge the battery. Use the laser target plate. Adjust laser intensity via the app. Use a laser receiver for outdoor or very bright conditions.
Cannot connect to Bosch Levelling Remote app.	Bluetooth is off, device is too far, or app needs restart.	Ensure Bluetooth is enabled on your smartphone. Move closer to the device. Restart the app and/or the laser level.
Cal Guard warning light is on.	Potential calibration error detected.	Perform a calibration check as described in the app or consult a Bosch service center.

## SPECIFICATIONS

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Feature	Detail
Model Number	GLL 3-80 CG (0601063T00)
Laser Diode	Green, 500-540 nm, < 10 mW
Laser Class	2
Working Range (without receiver)	Up to 30 m (98 ft)
Working Range (with LR 7 receiver)	Up to 80 m (262 ft)
Accuracy	± 0.2 mm/m
Self-leveling Range	± 4°
Leveling Time	4 s
Dust and Splash Protection	IP 54
Power Supply	12V Li-Ion battery or 4 x 1.5 V LR6 (AA) (with optional adapter)
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)
Storage Temperature	-20 °C to +70 °C (-4 °F to 158 °F)
Tripod Thread	1/4", 5/8"
Weight	2.22 kg (4.89 lbs)
Dimensions (L x W)	44 cm x 13.7 cm



Accuracy: ± 0.2 mm/m



Protection: IP 54

## WARRANTY AND SUPPORT

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Bosch Professional products come with a manufacturer's warranty. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Bosch Professional website. For technical support, service, or spare parts, please contact your local Bosch Professional service center. You can find contact information on the Bosch Professional website or through the Bosch Levelling Remote app. For more information, visit the Bosch Professional Store.