

Bosch GTL2

BOSCH GTL2 Laser Level Square Instruction Manual

Model: GTL2

1. PRODUCT OVERVIEW

The Bosch GTL2 Laser Level Square is designed to project precise horizontal and vertical laser lines, creating a 90-degree angle for various layout tasks. It offers an accuracy of up to +/-1/2 inch at 30 feet, making it suitable for applications such as tiling, cabinet installation, and picture hanging. The tool features built-in bubble vials for traditional leveling and an alignment guide for setting angles in 5-degree increments.



Figure 1: Top-down view of the BOSCH GTL2 Laser Level Square, showing its compact, triangular design with laser apertures and power button.

Key Features:

- **Versatile Laser Projection:** Projects horizontal and vertical chalk lines at 90 degrees, extending up to 30 feet with $\pm 1/2$ inch accuracy.
- **High Visibility:** Bright, sharp laser lines for clear visibility in various indoor lighting conditions.
- **User-Friendly Operation:** Simple one-button control for activating the two perpendicular laser lines.
- **Secure Mounting:** Includes non-abrasive adhesive strips for temporary, fixed attachment to smooth surfaces.
- **Integrated Level Vials:** Features built-in bubble levels for precise manual leveling and alignment.
- **Angle Alignment Guide:** Allows for calculating and turning angles in 5-degree increments for specialized layouts.
- **Laser Class:** Class IIM Laser, 650 nm; <1 mW.

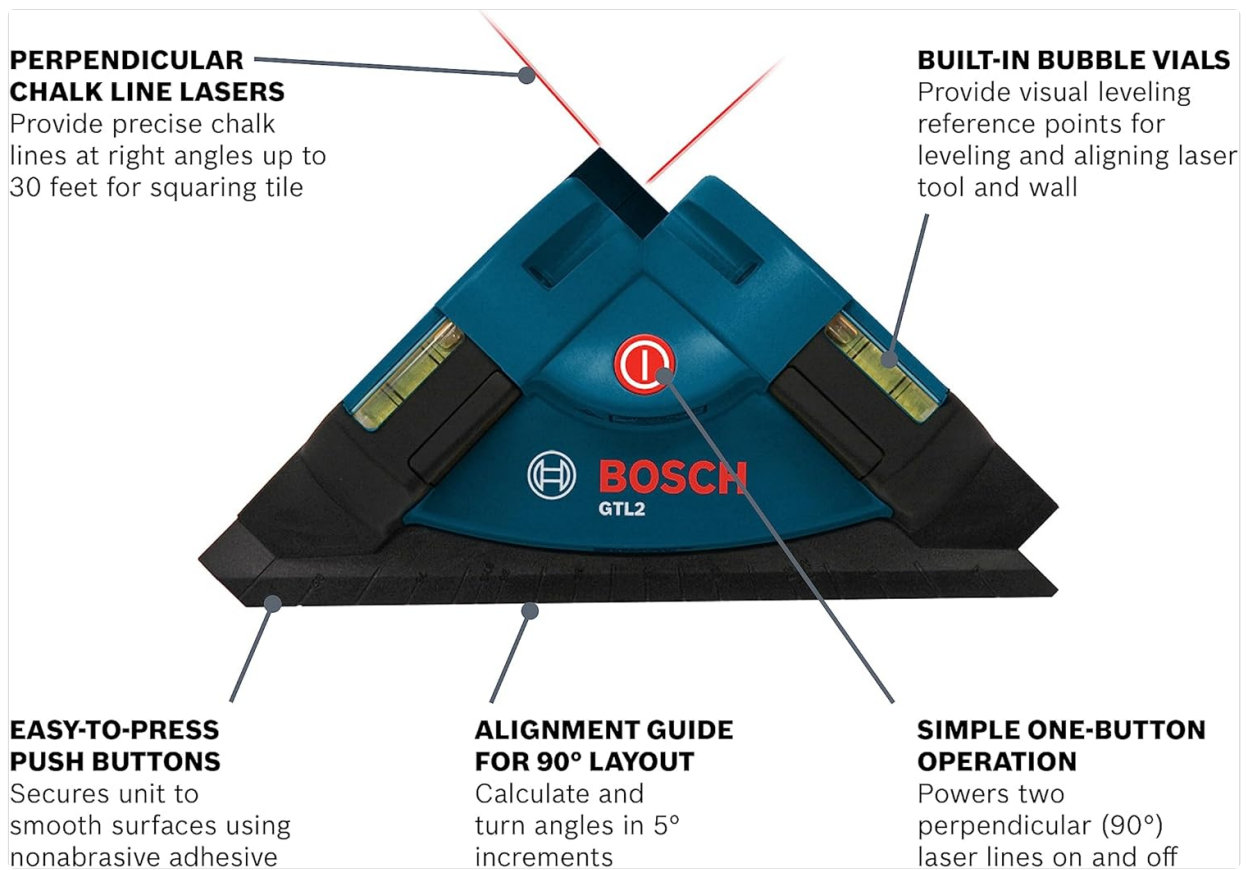


Figure 2: Diagram illustrating the key features of the BOSCH GTL2, including perpendicular chalk lasers, built-in bubble vials, easy-to-press push buttons, and an alignment guide for 90-degree layouts.

2. SETUP

2.1 Battery Installation

The BOSCH GTL2 requires three (3) AA batteries for operation. To install or replace batteries:

1. Locate the battery compartment on the underside of the unit.
2. Slide the battery compartment cover open.
3. Insert three AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

2.2 Attaching Adhesive Mounting Strips

For temporary, fixed attachment to smooth surfaces, use the provided non-abrasive adhesive mounting strips. These strips are designed to secure the tool without damaging the surface.

1. Identify the circular recesses on the underside of the tool.
2. Apply the adhesive strips to these recesses.
3. To activate the adhesive for mounting, press the two side buttons on the tool. This action extends the adhesive pads, allowing them to grip the surface.

Video 1: Demonstration of battery installation and the adhesive mounting mechanism of the BOSCH GTL2 Laser Level Square.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

To power on the BOSCH GTL2 and activate the laser lines, press the red power button located at the center top of

the unit. Press the button again to power off the device.

3.2 Projecting Laser Lines

Once powered on, the GTL2 will project two perpendicular laser lines (90 degrees) onto the surface. These lines serve as visual guides for alignment and squaring.

Video 2: Demonstration of the BOSCH GTL2 projecting laser lines on a wall for leveling and alignment.

3.3 Using Built-in Level Vials

The GTL2 includes two integrated bubble vials for traditional leveling. Before relying on the laser lines for critical alignment, ensure the tool itself is level by observing the bubbles in the vials. Adjust the tool's position until the bubbles are centered.

3.4 Angle Alignment Guide

The base of the tool features an alignment guide that allows for calculating and turning angles in 5-degree increments. This is useful for creating diagonal patterns or aligning objects at specific angles.

Video 3: Short demonstration of the BOSCH GTL2 laser lines on a floor, highlighting visibility in different lighting conditions.

3.5 Common Applications

- **Tiling:** Use the 90-degree laser lines to lay out floor or wall tiles accurately.
- **Wall Mounting:** Ensure pictures, shelves, or cabinets are perfectly level and aligned.
- **Trim and Molding:** Project straight lines for installing baseboards, crown molding, or other decorative trim.
- **Wallpaper Installation:** Create precise vertical and horizontal guides for hanging wallpaper.



Figure 3: The BOSCH GTL2 projecting laser lines on a tiled floor, demonstrating its utility for precise tile layout.



Figure 4: The BOSCH GTL2 projecting laser lines on a wall, useful for aligning picture frames or other wall-mounted items.

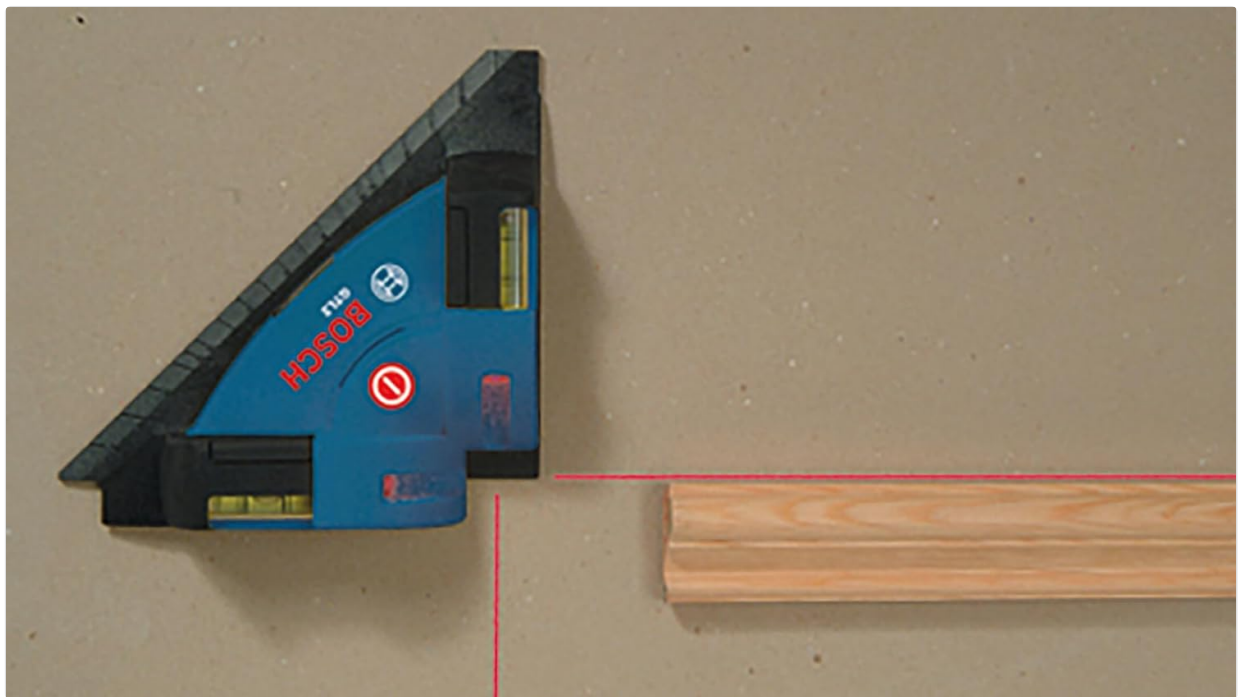


Figure 5: The BOSCH GTL2 projecting laser lines to guide the installation of a baseboard or trim.

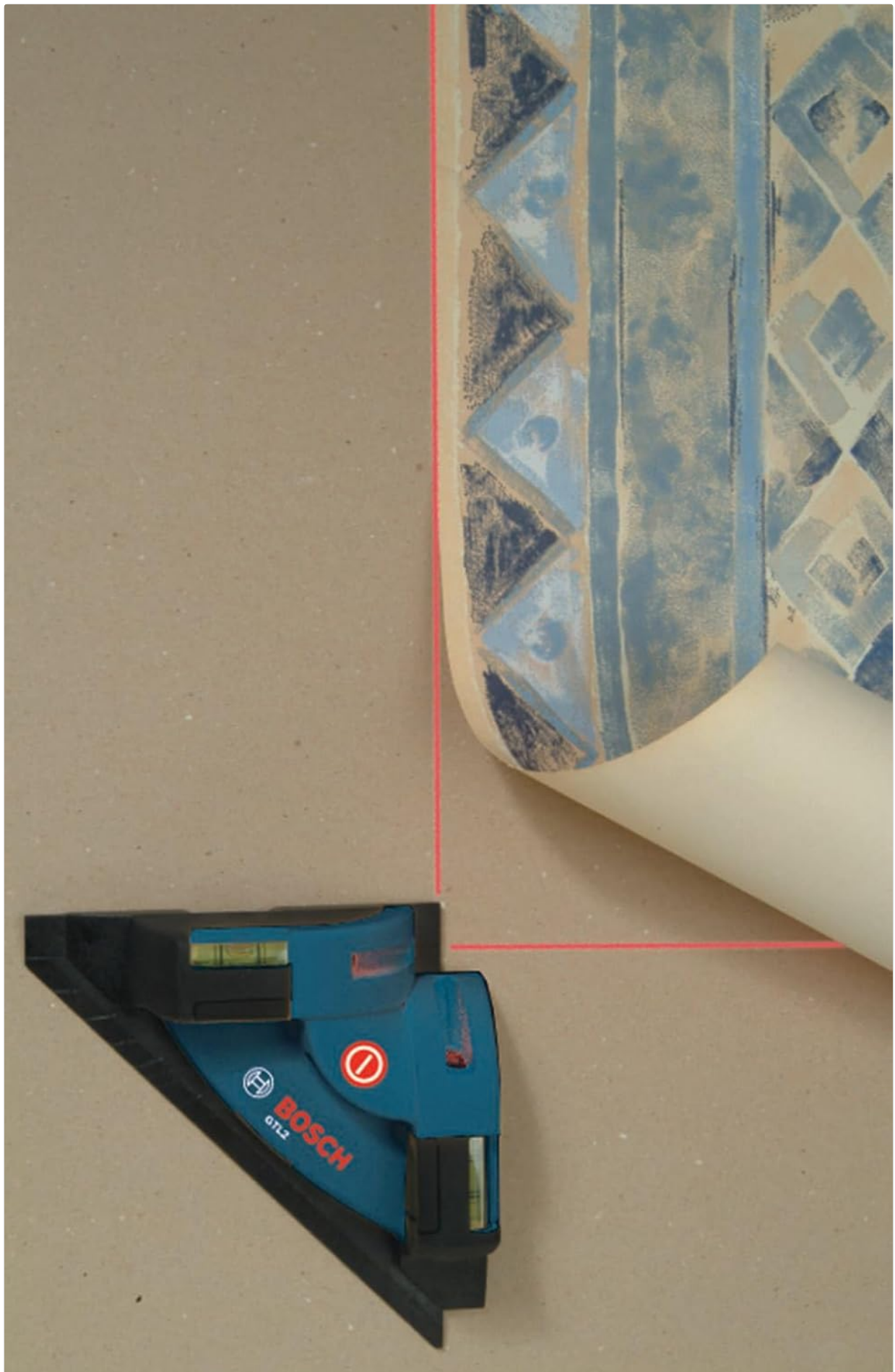


Figure 6: The BOSCH GTL2 projecting laser lines to assist in the precise alignment of wallpaper.

4. MAINTENANCE

To ensure optimal performance and longevity of your BOSCH GTL2 Laser Level Square, follow these general maintenance guidelines:

- **Cleaning:** Keep the laser apertures and the tool's exterior clean. Use a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Storage:** Store the tool in a dry, cool place, away from direct sunlight and extreme temperatures. Remove batteries if the tool will not be used for an extended period.
- **Handling:** Handle the tool with care to prevent damage to the laser components or level vials.

5. TROUBLESHOOTING

If you encounter issues with your BOSCH GTL2, consider the following common troubleshooting steps:

- **No Laser Lines:** Check if the batteries are correctly installed and have sufficient charge. Replace batteries if necessary. Ensure the power button is pressed firmly.
- **Faint Laser Lines:** In brightly lit environments, laser lines may appear fainter. Try to reduce ambient light if possible. Ensure the laser apertures are clean.
- **Inaccurate Lines:** Verify that the tool is placed on a stable, level surface. Use the built-in bubble vials to confirm the tool's levelness.

For further assistance, refer to the warranty and support information provided in this manual.

6. SPECIFICATIONS

Feature	Specification
Brand	Bosch
Model Number	GTL2
Material	Plastic
Product Dimensions	7.13"L x 7.05"W
Item Weight	16 ounces (1 pound)
Operation Mode	Automatic
Batteries Required	3 AA batteries
Included Components	(1) GTL2, (2) Adhesive Mounting Strips
Laser Class	Class IIM Laser; 650 nm; <1 mW

7. WARRANTY AND SUPPORT

Bosch measuring and layout tools, including the GTL2, are covered by a one-year limited warranty. An additional year of coverage is available when you register your tool within eight weeks of purchase.

For detailed terms and conditions, or to register your tool, please visit rb-pt.io/PowerToolWarranty or call 1-877-BOSCH99.



BOSCH

Measuring & Layout Tools



**LIMITED
WARRANTY**

1 YEAR
Tool
+1 YEAR*
When you register

*Register your tool within eight (8) weeks of purchase for a total of two (2) years coverage. For full terms, visit <https://rb-pt.io/PowerToolWarranty> or call 1-877-BOSCH99

Figure 7: Image detailing Bosch's warranty policy for measuring and layout tools.