

5413018

K.balt 100 ft Green Self-Leveling Cross-line Laser Level Kit User Manual

MODEL: 5413018

1. INTRODUCTION

This user manual provides detailed instructions for the safe and effective operation, setup, and maintenance of your K.balt 100 ft Green Self-Leveling Cross-line Laser Level Kit. This precision tool is designed to project highly visible green horizontal and vertical lines, making it ideal for various alignment and leveling tasks in construction, renovation, and DIY projects. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

2. PRODUCT FEATURES

- Highly visible green cross line Laser projection range up to 100ft and accuracy up to 1/8in.
- Self-leveling feature projects bright horizontal and vertical lines onto flat surfaces and levels within a few seconds (Leveling Range: ± 4.0 Degrees).
- One-button operation allows for easy selection among horizontal, vertical, and cross line modes.
- Manual mode locks lines for use at any angle.
- Smart pendulum system self-levels and indicates out-of-level condition, locks when switched off.
- Can be wall or tripod mounted for quick and easy setup with 1/4in-20 screw.
- Rechargeable Li-ion battery with Type-C charging port.
- IP54 rating protects the laser level in different environments.

3. PACKAGE CONTENTS

Upon opening your K.balt Laser Level Kit, please verify that all the following items are included:

- 1 x Cross Line Laser Level
- 1 x Magnetic Brackets
- 1 x Pouch
- 1 x USB Type C Cable



Image: All components included in the K.balt Laser Level Kit.

4. SAFETY INFORMATION

WARNING: This is a Class II laser product. Do not stare directly into the laser beam. Avoid direct eye exposure.

- Always operate the laser level in a safe manner, away from children and unauthorized personnel.
- Do not attempt to disassemble or modify the laser level. This can cause hazardous laser radiation exposure and voids the warranty.
- Use only the specified charging cable and power source for the Li-ion battery.
- Protect the device from extreme temperatures, direct sunlight, and moisture. The IP54 rating provides protection against dust and splashing water, but it is not waterproof.
- Ensure the work area is clear of obstructions and potential hazards before operating the laser.

5. SETUP

5.1 Charging the Battery

The laser level is equipped with a rechargeable Li-ion battery. Before first use, or when the battery is low, connect the provided USB Type-C cable to the charging port on the device and to a suitable USB power adapter (not included). The charging indicator will show the charging status.

5.2 Mounting the Laser Level

The laser level can be used freestanding or mounted using the included magnetic bracket or a standard tripod.

- **Magnetic Bracket:** Attach the laser level to the magnetic bracket. The bracket can then be securely affixed to metallic surfaces or hung from a screw/nail using its mounting hole.
- **Tripod Mounting:** The laser level features a 1/4in-20 screw thread on its base, allowing it to be mounted on most standard camera or laser tripods for precise height adjustment.



Image: The laser level mounted on its magnetic bracket, ready for use.

6. OPERATING INSTRUCTIONS

6.1 Powering On and Mode Selection

The laser level features a single button for power and mode selection.

- **To Power On:** Press the power button once. The device will typically start in self-leveling mode, projecting both horizontal and vertical lines.
- **To Change Modes:** Press the power button repeatedly to cycle through the available modes: horizontal line only, vertical line only, and cross-line (horizontal and vertical).
- **To Power Off:** Press and hold the power button for a few seconds until the laser turns off. The pendulum system will lock automatically when powered off.



Image: Detail of the laser level's control panel, highlighting the power and mode selection button.

6.2 Self-Leveling Mode

When the pendulum system is unlocked (typically when powered on), the laser level will automatically self-level within ± 4.0 degrees. If the device is placed on a surface that is too far out of level, the laser lines will flash rapidly to indicate an out-of-level condition. Adjust the position of the laser level until the lines stop flashing and become steady.



Image: The Kobalt laser level in operation, projecting a clear green cross-line.

6.3 Manual Mode (Locking Lines)

To project lines at any angle (e.g., for stair railings or decorative patterns), you can lock the pendulum system. This is typically done by pressing a dedicated lock button or by powering on the device while the pendulum is already locked (refer to specific device markings). In manual mode, the self-leveling function is deactivated, and the laser lines will not flash if the device is tilted.

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the laser level. Do not use harsh chemicals or abrasive cleaners. Keep the laser output window clean for optimal visibility.
- **Storage:** When not in use, store the laser level in its premium storage bag in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the pendulum is locked before storage to prevent damage during transport.
- **Battery Care:** For long-term storage, it is recommended to charge the Li-ion battery to approximately 50% capacity every few months to maintain battery health.

8. TROUBLESHOOTING

- **Laser lines are flashing:** The device is out of its self-leveling range. Adjust the position of the laser level until it is on a more level surface.
- **No laser lines:** Ensure the device is powered on and the battery is charged. Check if the pendulum is locked (manual mode) or if the device is severely out of level.
- **Dim laser lines:** The battery may be low and requires charging. Ensure the laser output window is clean. Environmental factors like bright ambient light can also make the lines appear dimmer.
- **Device not charging:** Check the USB Type-C cable and power adapter. Ensure the cable is fully inserted into the charging port.

If problems persist, please refer to the Warranty and Support section.

9. SPECIFICATIONS

Feature	Specification
Model Number	5413018
Laser Type	Green Cross-line Laser
Projection Range	Up to 100 ft
Accuracy	Up to 1/8 in
Self-Leveling Range	±4.0 Degrees
Battery Type	Rechargeable Li-ion
Charging Port	USB Type-C
IP Rating	IP54
Mounting Thread	1/4in-20
Item Weight	8 ounces
Material	Plastic

10. WARRANTY AND SUPPORT

10.1 Warranty Information

This K.balt Laser Level Kit comes with a 2-year limited warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, unauthorized modification, accident, or neglect.

10.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the retailer or manufacturer directly. Refer to your purchase documentation for specific contact details.