

## BEITESI S074

# BEITESI Green Line Laser Module User Manual

Model: S074

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective operation of your BEITESI Green Line Laser Module, Model S074. This industrial-grade laser module is designed for precision applications requiring a visible green line, such as equipment alignment, floor tile cutting, and various indoor and outdoor decoration projects.

Key features include a 520nm green light source, adjustable focus, and a compact design with a USB connector for versatile power options.

## 2. SAFETY INFORMATION

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### **WARNING: LASER RADIATION. AVOID DIRECT EYE EXPOSURE.**

- This product emits Class II laser radiation. Do not stare directly into the laser beam.
- Never point the laser at people or animals.
- Do not attempt to disassemble or modify the laser module. This can expose you to hazardous laser radiation and will void the warranty.
- Keep out of reach of children.
- Use the laser module only for its intended purpose as described in this manual.
- Ensure proper ventilation when operating for extended periods.

## 3. PACKAGE CONTENTS

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Verify that all items are present and in good condition upon opening the package:

- BEITESI Green Line Laser Module (Model S074) with integrated USB cable.



**Figure 3.1:** The BEITESI Green Line Laser Module, showing the metallic laser head and attached USB power cable.

## 4. SETUP

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1. **Power Connection:** Connect the USB plug of the laser module to a compatible USB power source (e.g., USB wall adapter, power bank, computer USB port). The module requires a working voltage of 3V-5V.
2. **Mounting (Optional):** Secure the laser module in the desired position using appropriate mounting hardware (not included). Ensure the module is stable and pointed in the intended direction.



**Figure 4.1:** The laser module connected to a power supply, demonstrating the emitted green laser light. Note that the battery holder box shown in the image is not included with the product.

## 5. OPERATION

1. **Power On:** Once connected to a power source, the laser module will automatically emit a green laser line.
2. **Adjusting Focus:** The laser head can be twisted to adjust the focal length of the laser line. Rotate the front part of the laser module clockwise or counter-clockwise until the desired line sharpness and thickness are achieved.
3. **Application:** Position the laser module to project the green line onto your target surface for alignment, cutting guides, or decorative purposes. The line length is approximately 39 inches (1 meter) at optimal focus and distance.



**The laser head can be twisted to adjust the focal length**

Figure 5.1: Illustration of the laser module, indicating the approximate line length of 50cm/19.7 inches and highlighting the twistable laser head for focal length adjustment.

## 6. MAINTENANCE

- **Cleaning:** Gently wipe the laser lens with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the laser module in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the module to strong impacts, as this can damage internal components.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No laser light emitted.	No power, incorrect voltage, or faulty connection.	Ensure the USB cable is securely connected to a 3V-5V power source. Try a different USB port or power adapter.
Laser line is dim or blurry.	Out of focus, dirty lens, or insufficient power.	Adjust the focus by twisting the laser head. Clean the laser lens. Ensure the power source provides adequate voltage.
Laser module feels hot.	Normal operation, or prolonged use in high ambient temperatures.	A slight warmth is normal. If it becomes excessively hot, disconnect power and allow it to cool. Ensure adequate ventilation.

## 8. SPECIFICATIONS

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**Brand:** BEITESI

**Model Number:** S074

**Light Source:** Green Laser

**Wavelength:** 520nm

**Output Power:** Class II, <1mW

**Working Voltage:** 3V-5V

**Material:** Metal

**Color:** Point-1pack (Green Laser)

**Item Weight:** 30 Grams (approx. 1.06 ounces)

**Operation Mode:** Manual

**Connector Type:** USB

**Laser Head Diameter:** 12mm

**Approximate Line Length:** 39 inches (1 meter)

**UPC:** 793466985812

**Package Dimensions:** 4 x 2.75 x 1 inches

**Batteries Required:** No (USB powered)

## 9. WARRANTY INFORMATION

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This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the product packaging or contact BEITESI customer support. Keep your purchase receipt as proof of purchase.

## 10. CUSTOMER SUPPORT

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For technical assistance, troubleshooting, or general inquiries regarding your BEITESI Green Line Laser Module, please contact our customer support team:

- **Manufacturer:** BEITESI
- **Online Support:** Refer to the seller's contact information on the platform where the product was purchased.
- **Returns/Replacements:** Please refer to the return policy of the retailer from whom you purchased the product.