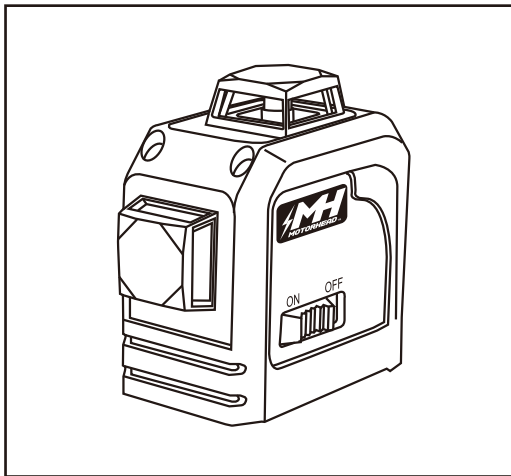




**165FT 360°
Cross-Line Green-Beam
Laser Level
(MH-02-CL-B1-66-1)**



Customer Service

Phone # 1-866-608-5212

E-Mail: support@motorheadtool.com

Register your tool on MOTORHEADTOOL.COM for a Free Extended Warranty!



Introduction

Thanks for choosing MOTORHEAD test and measure tools! This 3D Laser Level combines the advantages of a professional multi-line laser with the ease of a simple DIY laser. Whether you're hanging a picture frame or framing a house, MOTORHEAD offers an optimal solution for both applications. With axicon-rotating lasers installed into durable glass tubes, the MOTORHEAD MH-02-CL-B1-66-1 3D Laser can generate 360 degrees of laser lines (1 vertical line & 1 horizontal line).

Warnings:

- The MH-02-CL-B1-66-1 is classified as a class **II** laser. Be careful not to expose your eyes to the laser beam while the instrument is operating. Direct and extended exposure to the lasers may be hazardous to your eyes.
- Do not try to dismantle the instrument. Please reach out to MOTORHEAD Customer Service for help with your device. Dismantling it yourself may void the warranty and cause irreversible damage.
- When attaching the instrument to a metal motion base, make sure the instrument is securely fixed to the metal motion base and the metal motion base leg clamps should be securely fastened. If not securely fastened or tightened, the main unit could fall off or the metal motion base could fall over.
- When setting the metal motion base, beware of the metal motion base shoes which are sharp. These sharp points allow the metal motion base to be securely positioned on the ground.
- Avoid using the instrument to target vehicle drivers or pedestrians. Avoid putting the laser on a highly reflective material such as mirrors. When disposing of this instrument, take a measure by removing the batteries so that the laser will not be emitted.



Caution:

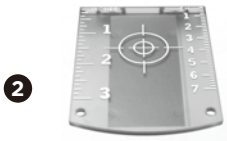
- The 360° Cross Line Laser is a precision instrument and should be treated with care.
- The instrument should not be stored or used in extreme temperatures or on jobs in places subject to rapid changes of temperature. The instrument may not function properly if used out of the operating ambient temperature range.
- Store inside the carrying case and place in a dry area not subject to vibration, dust or high moisture.
- When storage and usage temperature are widely different, leave the instrument in the case unit until it can adjust to the surrounding temperature.
- The instrument should be transported or carried carefully to avoid impact or vibration.
- The instrument should be stored in the carrying case and packed with cushioning material. Always handle the item with care.
- Be sure to observe the items in the instruction manual for proper use of the instrument.
- Please DO NOT look directly into the beam with optical aids to avoid causing serious laser radiation injury!
- Please DO NOT remove any safety labels on this product!

Cross-Line Green-Beam Laser Level (MH-02-CL-B1-66-1)



Included Contents:

1. 3D-Laser level
2. Magnetic Target (enhanced the visibility)
3. Metal Motion base
4. 4 AA Alkaline
5. Soft bag



Operation

Pendulum Lock

When not in use, the pendulum should always be in the Off position (shown in figure 1).

Locking the pendulum allows the Cross Line Laser to better withstand vibration and trauma incurred during transportation or if the unit is dropped.



Figure 1

Automatic Leveling

When the pendulum is unlocked (shown in figure 2), the instrument is ready to level automatically within 3.5° level.



Figure 2

Cross-Line Green-Beam Laser Level (MH-02-CL-B1-66-1)



Control Panel

Normal Operation (slider switch on)

Once the instrument is switched on, the horizontal laser will automatically start.

Press the button to activate vertical laser.

Tap the button again to activate both the vertical and horizontal lasers.

Long press the button 3 seconds to access in save mode.

Slope Operation (slider switch off)

When the unit is in slope mode, laser will turn intermittently on & off.

Long press the button 3 seconds to access in slope mode. When the unit is in slope mode, the line laser will intermittently turn on & off.

Long press the button 3 seconds to access in save mode.



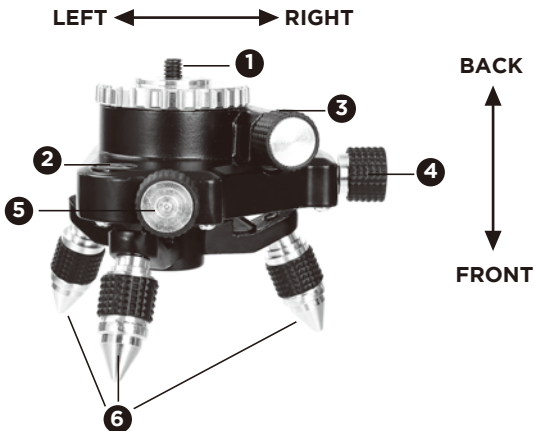
Figure 3 below illustrates location of each laser. Point A is the horizontal laser and Point B is the vertical laser

Cross-Line Green-Beam Laser Level (MH-02-CL-B1-66-1)**Figure 3**

MH-02-CL-B1-66-1 Specifications	
Over-all accuracy	$\pm 0.1\text{in} / 23\text{ft} (\pm 2.5\text{mm} / 7\text{m})$
Leveling Range	$\pm 3.5^\circ$
Working Range (Radius)/ Detector	66ft / 165ft with detector (20m/50m)
Metal motion base thread	1/4in
Moving Range	$\pm 0.4\text{in} (\pm 10\text{mm})$
Laser Type	class II
Wavelength	515nm
Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Dimensions	5.1in x 2.76in x 4.84in 130mm x 70mm x 125mm
Continuous working time	5H (W/All Diodes on)
Protection Class	IP 54
Net weight	2lbs (0.92KG)
Battery support	4AA x 1.5V

Metal Motion base

1. 1/4in adaptor
2. Balance vial
3. Rotate the base
4. Adjust the base left and right
5. Adjust the base front and back
6. Adjust the height of legs



Alarm Function

Leveling Alarm

Once the pendulum is switched on, the instrument will be self-leveling within 3.5°. When the unit is using out of the leveling range, laser lines will keep flashing frequently. In that case, it is necessary for users to adjust the position of instrument.



Low-battery Alarm

If voltage level is below 4V, the instrument will self power off.
Please remove old batteries and replace with new batteries.

FCC SAFETY

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause Harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Cross-Line Green-Beam Laser Level (MH-02-CL-B1-66-1)



Two-Year Limited Warranty

MOTORHEAD warrants its electronic measuring tools against deficiencies in materials and /or workmanship for two years from date of purchase WITH PROOF of SALE.

This Warranty does not cover deficiencies caused by accidental damage, wear and tear, use other than in accordance with the manufacturer's instructions or repair or alteration of this product not authorized by MOTORHEAD.

Repair or replacement under this Warranty does not affect the expiry date of the Warranty. To the extent permitted by law, MOTORHEAD shall not be liable under this Warranty for indirect or consequential loss resulting from deficiencies in this product. This Warranty may not be varied without the authorization of MOTORHEAD.

This Warranty does not affect the statutory rights of consumer purchasers of this product. This Warranty shall be governed by and construed in accordance with the laws of the country sold where in and MOTORHEAD and the purchaser each irrevocably agrees to submit to the exclusive jurisdiction of the courts of that country over any claim or matter arising under or in connection with this Warranty.

For warranty service please call MOTORHEAD Customer Service at **1-866-608-5212** or e-mail **support@motorheadtool.com**.

Register your product at **MOTORHEADTOOL.COM** for a **free extended warranty** and additional offers!

Cross-Line Green-Beam Laser Level (MH-02-CL-B1-66-1)



WARNING: For adult use only. This product is not a toy. Keep out of reach of children.

WARNING: For adult use only. Not for children 17 years of age or younger.

WARNING: Wear safety goggles – user and bystander.

CAUTION

LASER RADIATION. DO NOT STARE INTO BEAM.

WARNING: LASER LIGHT. LASER RADIATION. Avoid direct eye exposure.

Do not stare into beam. Only turn laser beam on when needed. Class 2 Laser Product.

CAUTION:

Do not mix old and new batteries.

Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.

Caution -- use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure

⚠WARNING: This product can expose you to chemicals including lead and lead compounds, Di(2-ethylhexyl)phthalate (DEHP), which are known to the State of California to cause cancer, and chemicals including Di-n-butyl Phthalate (DBP), which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Customer Service: 1-866-608-5212

Monday – Friday

8:00 AM – 8:00 PM EST

support@motorheadtool.com