GOBLIN TOOLS

SKU: CLXPP23KT
Version 2026.1.1

CROSSLINE
LASER LEVEL KIT

CLX-PP23

INSTRUCTION MANUAL

CONTENTS

SAFETY	3
ITEM CHECKLIST	3
LASER LEVEL OVERVIEW	4
USING THE LASER LEVEL	5
MAGNETIC MOUNT	6
MOUNTING TO A TRIPOD (NOT INCLUDED)	6
USING A DETECTOR (NOT INCLUDED)	7
CARE AND MAINTENANCE	8
WARRANTY	8
TROUBLE SHOOTING	9
CUSTOMER SUPPORT	9
EU DIRECTIVES AND DISPOSAL	9
SPECIFICATIONS	10

SAFETY

Read the following safety instructions before attempting to operate this tool.

Keep these instructions in a safe place or store in the carry case for future reference.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.

WARNING!
Read and understand all instructions.

- Use the tool only with the specifically designated batteries.
- Use only accessories that are recommended for your model.
- Position the tool securely on a level surface. Damage to the tool or serious injury could result if the tool falls.
- Do not place the tool in a position which may cause anyone to intentionally or unintentionally stare into the laser beam. Serious eye injury could result.
- Do not position the tool near a reflective surface which may reflect the laser beam toward anyone's eyes. Serious eye injury could result.
- Do not set up the tool at a position where the laser beam can cross any person at head height.
- Do not operate the tool around children or allow children to operate the laser. Serious eye injury may result.
- Do not use optical tools such as a telescope or transit to view the laser beam. Serious eye injury could result.
- Turn the tool off when it is not in use. Leaving the tool on increases the risk of staring into the laser beam.
- Store the tool out of reach of children and other untrained persons. Laser tools are dangerous in the hands of untrained users.
- Do not remove or deface warning labels.
- Tool service must be performed only by qualified repair personnel. Repairs, service or maintenance performed by unqualified personnel will void the warranty. Only approved and authorised service technicians can carry out warranty repairs.

WARNING!
Do Not Disassemble The Laser.

There are no user serviceable parts inside. Disassembling the tool will void all warranties on the product. Do not modify the product in any way. Modifying the tool may result in hazardous laser radiation exposure.

CAUTION!
Class 2 Laser Product

- Never look into the laser beam directly and intentionally.
- Do not use optical tools to view the laser beam.
- Do not set up the tool at a position where the laser beam can cross any person at head height.
- Do not let children come in contact with the laser.

ITEM CHECKLIST

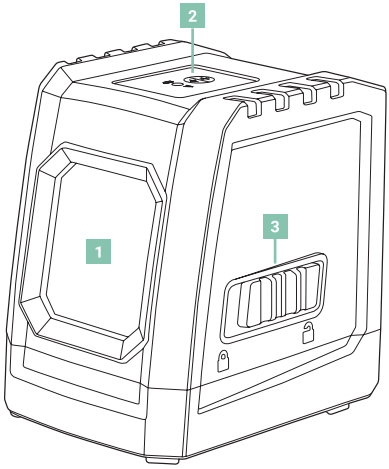
The following items are included with your laser level.

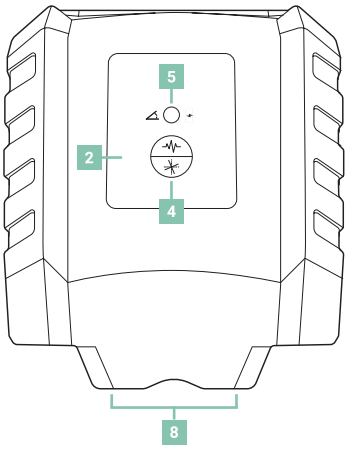
1. Crossline laser level (CLX-PP23)
2. Magnetic mount
3. Laser target
4. Laser glasses
5. AA alkaline battery (x2)
6. Hard carry case

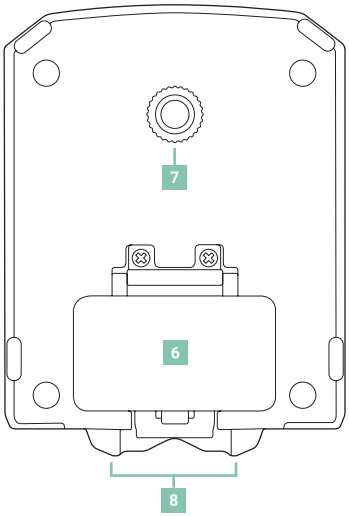
LASER LEVEL OVERVIEW

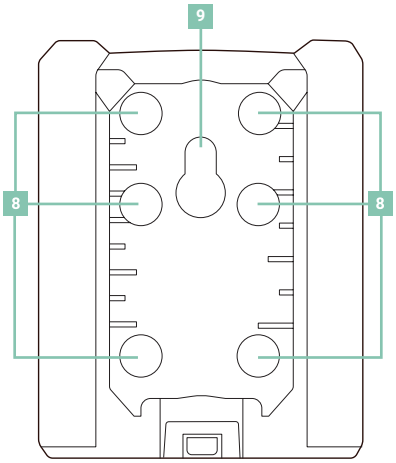
CLX-PP23

1. Laser port
2. Control panel
3. Power / locking switch
4. Detector (pulse) mode / manual operation button
5. Battery / out of level indicator
6. Battery door
7. 1/4" x 20 thread (female)
8. Magnets
9. Screw fixing point









USING THE LASER LEVEL

POWER SUPPLY

- The laser level is supplied with 2 AA alkaline batteries as its power source.
- The ***battery / out of level indicator*** light will flash when the batteries are low and need replacing as shown on below.

Red (flashing): Battery is low.
Replace batteries.

Alkaline batteries capacity decreases at low temperatures; depleted batteries may not function when cold.

Inserting & removing the batteries

- Open the battery door and remove the batteries.
- Insert the batteries according to polarity. Replace the battery door.

SETUP

- Select a place as close as practical to the work site. Ensure the location is clear of traffic.
- Place the laser on a level surface such as a bench, floor or mount.

OPERATION

Powering on (self-levelling)

- To turn the laser level on, slide the ***power / locking switch*** to the "unlocked" position (Fig. 1). Self levelling will commence and the horizontal and vertical beams will activate (Fig.2).
- If the laser level is outside the self levelling range the laser level will not level. The laser beam/s will flash continuously to alert the user that it is outside of its levelling range and the ***battery / out of level alert indicator*** on the control panel will flash red repeatedly. If this occurs, reposition the laser level onto a level surface until it can level off.
- The included laser target can be used to assist with visibility of the laser beam in non ideal light conditions.

In bright outdoor conditions, visible distance will be significantly reduced. For outdoor use, it is recommended to purchase an optional detector.

Powering off (self-levelling)

- To turn the laser level off, slide the ***power / locking switch*** to the 'locked' position.

Pulse mode

- Press and hold the ***detector mode / manual mode button*** for 3 seconds to enter into pulse mode. The laser lines will flash and appear to dim when detector mode is activated.
- Press and hold the ***detector mode / manual mode button*** for 3 seconds to exit pulse mode.

Manual mode

- Ensure the ***power / locking switch*** is in the "locked" position.
- Press and hold the manual mode button for 3 seconds. The horizontal and vertical lines will activate.
- The laser level can now be tilted to the desired angle. The laser lines will flash every 5 seconds to alert the user that the laser level is in manual mode.
- To exit manual mode, press and hold the manual mode button for 3 seconds.

When in manual mode the laser level will not self level and correct for vibrations and / or disturbances.

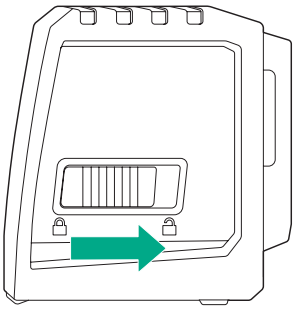


Fig.1

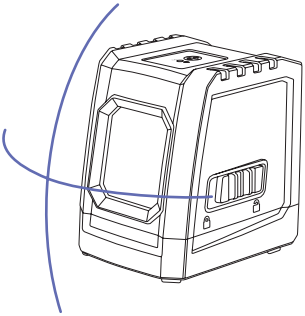


Fig.2

Manual mode

- Ensure the ***power / locking switch*** is in the "locked" position.
- Press and hold the manual mode button for 3 seconds. The horizontal and vertical lines will activate.
- The laser level can now be tilted to the desired angle (Fig. 3). The laser lines will flash every 5 seconds to alert the user that the laser level is in manual mode.
- To exit manual mode, press and hold the manual mode button for 3 seconds.

When in manual mode the laser level will not self level and correct for vibrations and / or disturbances.

A detector cannot be used when the laser level is in manual mode

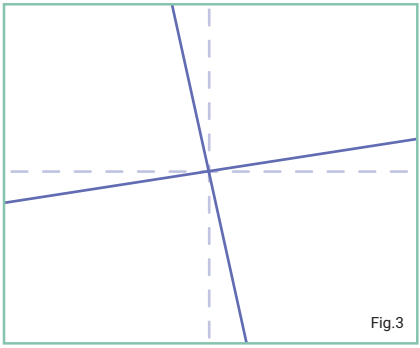
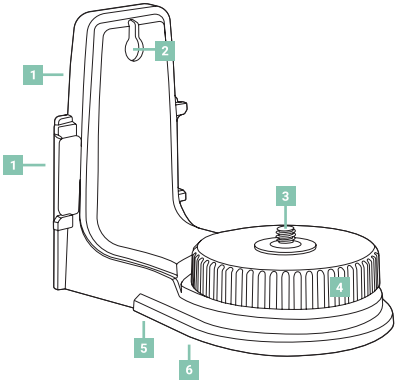


Fig.3

MAGNETIC MOUNT

MAGNETIC MOUNT OVERVIEW

1. Magnets
2. Screw fixing points
3. 1/4" x 20 thread (male)
4. 1/4" x 20 thread thumb screw
5. 5/8" x 11 tripod thread (female)
6. 1/4" x 20 thread (female)



USING THE MAGNETIC MOUNT

Mounting onto a magnetic surface

- Attach the laser level to the mount using the thumb screw (Fig. 4).
- Attach the mount to a metal surface, ensuring that the mount has a strong hold before releasing your hands.
- To rotate the laser level on the mount, loosen the thumb screw, position the laser level, and then re-tighten the thumb screw.

Mounting via screw fixing points

- Attach the laser level to the mount using the thumb screw (Fig. 3).
- Fix a screw into a secure surface and hook the mount over the screw, ensuring that the mount has a strong hold before releasing your hands.
- To rotate the laser level on the mount, loosen the thumb screw, position the laser level, and then re-tighten the thumb screw.

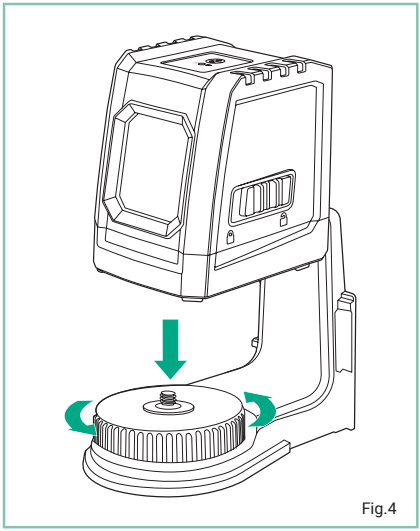


Fig.4

MOUNTING TO A TRIPOD NOT INCLUDED

A tripod can be purchased from your nearest measurement tool dealer. The below instructions are generic only and set-up methods may vary between models. Refer to the documentation from the tripod manufacturer for details.

- Extend the tripod legs to the required height and ensure the legs are spread wide enough so that the tripod platform is stable. Secure the legs in place (refer to the documentation from the tripod manufacturer for details).
- Place the laser level onto the tripod and mount via the male thread (5/8"-11 or 1/4"-20) into the base until firm. Do not over tighten as this may cause damage to the laser level or tripod.

NOTE: adjustment methods will vary on tripod models. Always ensure that any locking levers are unlocked before making adjustments and returned to the locked position when the adjustment is complete.

- If using an elevating tripod with a measuring scale on the centre column, the height can be adjusted as required.

WARNING! Attaching the laser level to a tripod without the correct thread size may cause damage.

USING A DETECTOR NOT INCLUDED

The detector and clamp is an optional accessory used to aid with locating the laser beam in bright conditions.

Please refer to the following information to determine compatibility when choosing a detector:

Detector type: Purple and/or Hybrid.
Purple beam lasers are only compatible with detectors designed to detect a purple beam. Not all hybrid detectors are designed to detect purple laser beams.

Frequency: 10,000Hz.
The detector must be designed to detect a pulse frequency of 10,000Hz.

Please check with the manufacturer's specifications to determine compatibility.
For more information about choosing a detector, visit www.goblintradetools.com.

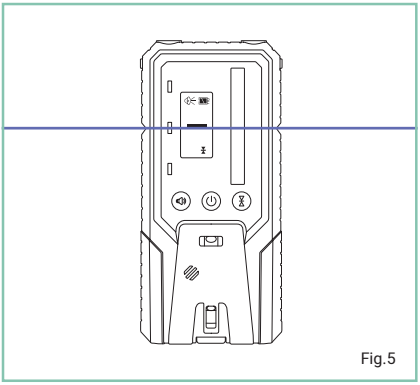


Fig.5

Image is for illustrative purposes only.

OPERATION WITH A DETECTOR

Operation with the laser level

- Press and hold the ***detector mode / manual mode button*** for 3 seconds to enter into pulse mode. The laser lines will flash and appear to dim when detector mode is activated.
- Power on the detector (refer to the documentation provided by the manufacturer).
- Hold the detector upright for horizontal beams (Fig. 5). Rotate the detector 90° for vertical beams (Fig. 6).
- Move the detector until alignment with the laser beam is achieved. Detector functions vary between models. Please refer to the documentation provided by the manufacturer for details on the operation of the detector.

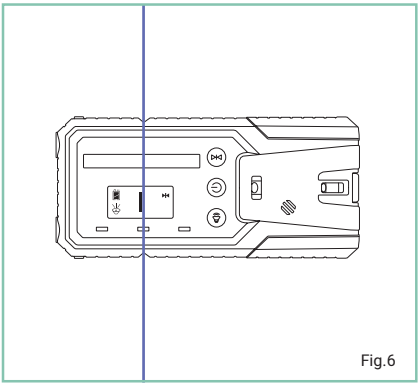


Fig.6

Image is for illustrative purposes only.

CARE & MAINTENANCE

1. This is a precision measuring tool and should always be handled with care and transported within the carry case provided.
2. Always turn the laser level off when transporting the laser level or moving around the job site.
3. Whenever possible, store the laser level in a dry, shady location.
4. When the laser level is not in use or is being stored, it is highly recommended to remove the batteries.
5. Calibration of the laser level is recommended: every six months, if ongoing accurate levelling is required, or an impact has occurred.
6. The operator should check the accuracy of the tool before precision levelling is attempted. Failure to do so may result in inaccurate measurements.
7. Clean the laser level with a dry, soft cloth after use in dusty, damp or wet conditions before storing.
8. Smudges and fingerprints may be removed with a damp tissue or a soft, lint-free cloth.

WARRANTY

All Goblin Tools measurement tools are carefully checked and tested to our precise quality assurance standards.

We offer a warranty in accordance with the following conditions:

1. Our warranty provides the correction of deficiencies to the tool once verified by an authorised service centre that the deficiencies were caused by a manufacturing fault within the warranty period.
2. The warranty does not cover:
   a) Calibrations and components that are subject to wear and tear.
   b) Defects in the tool caused by non-compliance with the operation instructions, improper use, abnormal environmental conditions, inappropriate operating conditions or insufficient maintenance.
   c) Defects caused by using accessories or spare parts other than approved parts.
   d) Services or repairs carried out by non-authorised persons.
3. Defects recognised by an authorised service centre as being covered by the warranty shall be corrected either by repair or replacement of the tool.
4. The warranty claim must be lodged within the warranty period. This requires the complete tool with the original sales receipt containing the purchase date and place of purchase. Partial or disassembled tools cannot be submitted for a warranty claim.
5. Services provided under warranty do not lengthen or renew the warranty of the tool.

The above guarantees apply to tools that are purchased in the countries and regions specified online at www.goblintradetools.com

4 YEAR STANDARD WARRANTY PERIOD

1. The warranty period for your tool is 4 years from the date of purchase.
2. The warranty period for batteries, battery packs and chargers is 1 year from the date of purchase.
3. Calibrations are not covered under warranty as they are deemed wear and tear.
4. All products have a standard warranty period, you do not have to register your products to obtain the standard warranty period.
5. To claim under this warranty, the date of purchase of the tool must be documented by an invoice/receipt.

8 YEAR EXTENDED WARRANTY PERIOD

1. The extended warranty is available on selected tools only.
2. You may extend the warranty period for your tool to 8 years from the date of purchase. Accessories are excluded from the warranty extension and remain at the 4 year warranty period.
3. The warranty period for batteries, battery packs and chargers is 1 year from the date of purchase.
4. Calibrations are not covered under warranty as they are deemed wear and tear.
5. To obtain the extended warranty, the registration process must be completed within 30 days from the date of purchase.
6. Failure to register your product online and/or submission of a valid invoice/receipt will void the warranty extension.
7. Please ensure ALL information submitted/uploaded is correct.

Extended warranty is ONLY available via online registration, offline (mailing in of warranty registration) will not be accepted.

Visit www.goblintradetools.com to register.

TROUBLE SHOOTING

Error	Cause & Solution
Laser level does not turn on	• Check the batteries. They may be low and need replacing. • Check the battery compartment for signs of damage and ensure that the compartment is clean and that the battery terminals are not bent.
Laser level does not remain on for long periods of use.	• Check the batteries. They may be low and need replacing.
Laser level does not level off	• The laser level may be outside its self levelling range and may require an adjustment before self-levelling can commence. • The laser level may have impact damage.

CUSTOMER SUPPORT

To assist you with any queries or technical questions please contact customer support.

Australia: 1300 905 846

New Zealand: 0800 005 752

United Kingdom: 0808 189 1152

All other countries / regions:
Visit www.goblintradetools.com for more information

Registered Business Address:

74 McKillop Street
Geelong, VIC 3220 AUSTRALIA

RESPONSIBLE DISPOSAL

Please do not throw any electrical equipment (including those marked with the crossed out wheeled bin symbol) in your bin.

This device complies with all necessary standards for the free movement of goods within the EU. This product is an electric device and must be collected separately for disposal according to the European Directive on waste electrical and electronic equipment.

SPECIFICATIONS

Specifications	CLX-PP23
Product code	CLXPP23KT
Warranty	8 Years*
Accuracy	±1.5mm at 10m
Operating range	10m
Operating range with detector	50m
Levelling range	±3°
Laser class	2 Purple
Battery life	9 hours
Battery type	2x 1.5V AA alkaline battery
Vertical lines	1
Horizontal lines	1
IP rating	54
Weight (g)	324 (including battery)
Dimensions (mm)	65 x 88 x 90

*With online registration (4 years without registration). Please refer to page 7 for details.

^Maximum operating range of 50m can only be achieved with the purchase of an optional detector. Without detector, the maximum operating range is 10m which can only be achieved in ideal light conditions. Sunlight and other ambient light sources can significantly impact the visibility of the laser beams.

Whilst every attempt is made to ensure the accuracy of all information within this instruction manual, Hunter Global Group Pty Ltd reserves the right to correct errors or omissions at any time.

NOTES

© 2026 Hunter Global Group Pty Ltd.
Goblin Tools is a trademark of Hunter Global Group Pty Ltd. All Rights Reserved.