

GENERAL

XL4G

MULTI-LINE LASER




INSTRUCTION MANUAL

SAFETY

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

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 laser only with the specifically designated batteries.
- Store the laser out of reach of children and other untrained persons. Lasers are dangerous in the hands of untrained users.
- Use only accessories that are recommended for your model.

- 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.
- Do not use optical tools such as a telescope or transit to view the laser beam. Serious eye injury could result.
- Do not place the laser 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 laser near a reflective surface which may reflect the laser beam toward anyone's eyes. Serious eye injury could result.
- 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.
- Turn the laser off when it is not in use. Leaving the laser on increases the risk of staring into the laser beam.
- Do not operate the laser around children or allow children to operate the laser.

Serious eye injury may result.

- Do not remove or deface warning labels.
- Position the laser securely on a level surface. Damage to the laser or serious injury could result if the laser falls.

 **WARNING: DO NOT DISASSEMBLE THE LASER.** There are no user serviceable parts inside. Disassembling the laser 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.

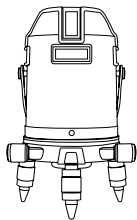
 **CAUTION: Class 3 Laser Product**

- 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.

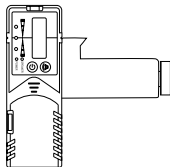
ITEM CHECKLIST

Please ensure the following items are included with your laser level.

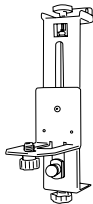
If anything is missing please contact your retailer.



General XL4G



Detector & clamp



Wall mount



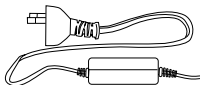
Tripod spacer



Laser target



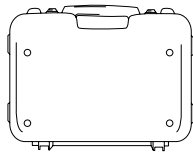
Laser glasses



Mains power adaptor
/ indoor charger

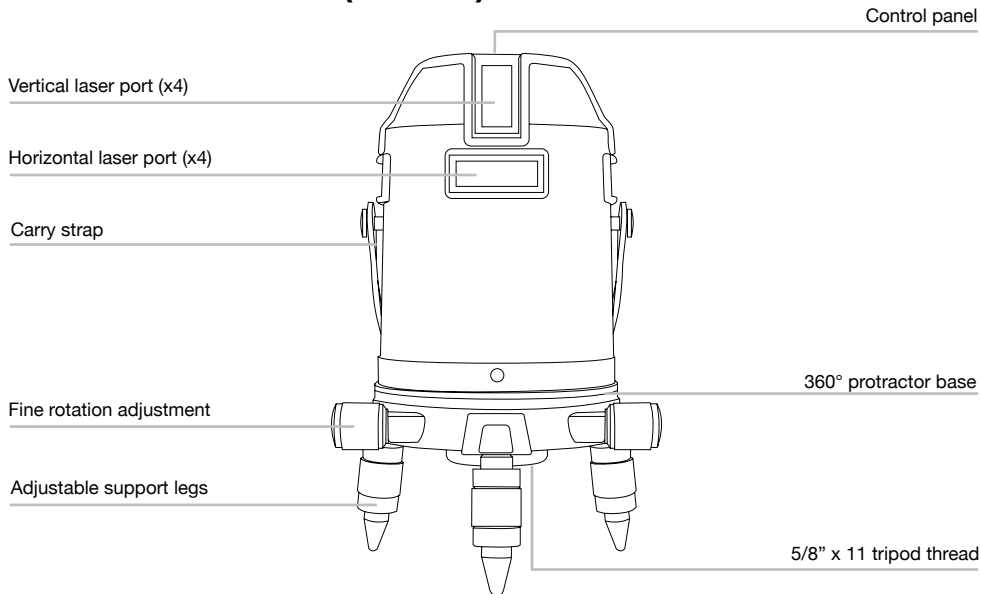


Rechargeable
battery pack

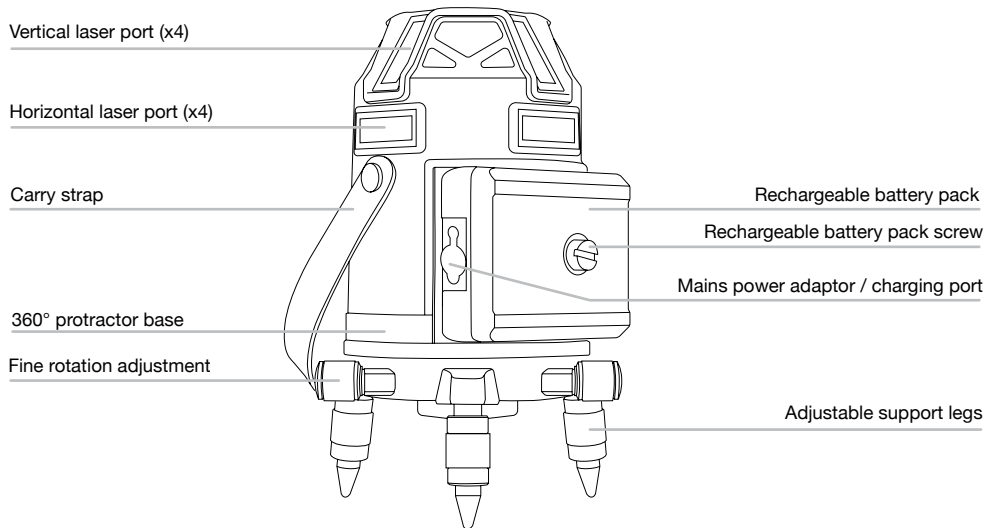


Carry case

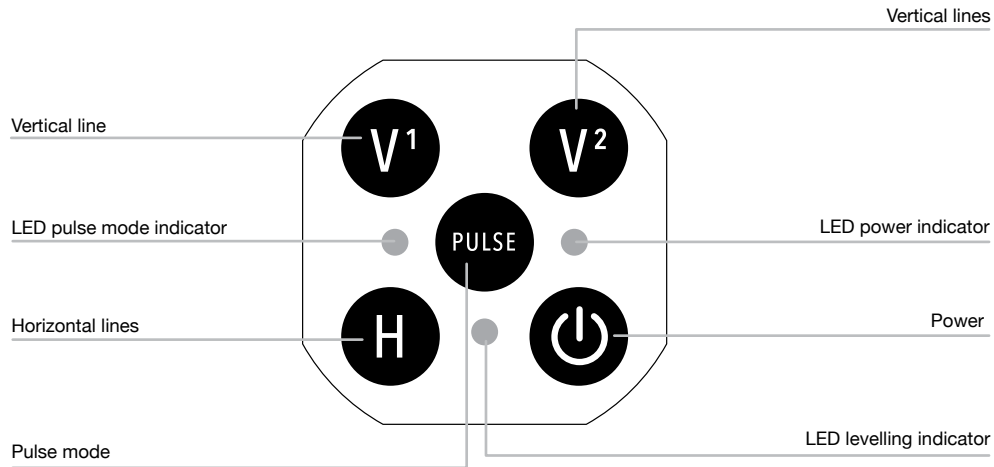
LASER OVERVIEW (FRONT)



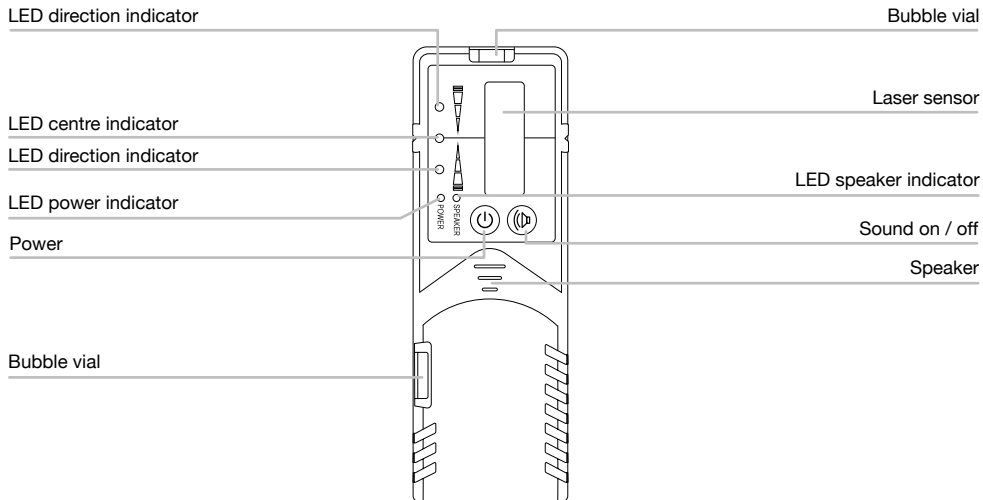
LASER OVERVIEW (BACK)



LASER CONTROL PANEL



DETECTOR OVERVIEW



USING YOUR LASER

POWER SUPPLY

- The instrument is supplied with a Lithium-ion battery pack as its standard power source.
- The instrument can also be powered via the mains power supply.

Charging the Li-ion battery pack

- The lithium-ion battery pack can be charged whilst connected to the instrument. The lithium-ion battery pack can also be unscrewed and charged separately.
- Unscrew and remove the battery cover door and the batteries.

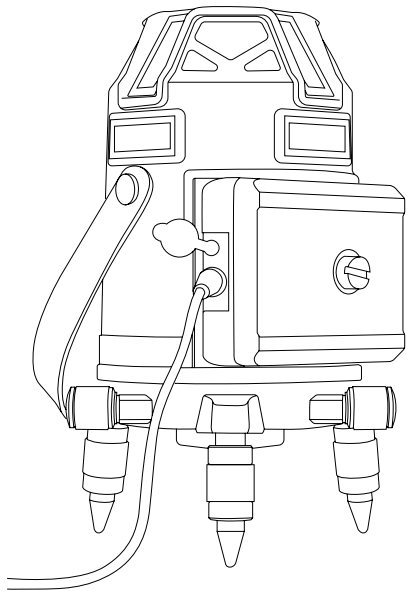
- Insert the mains power adaptor / indoor charger into the battery pack and plug into a power source.

Progress will be shown by the power indicator display on the charger as below:

Red (constant) = Battery is charging

Green (constant) = Battery is charged

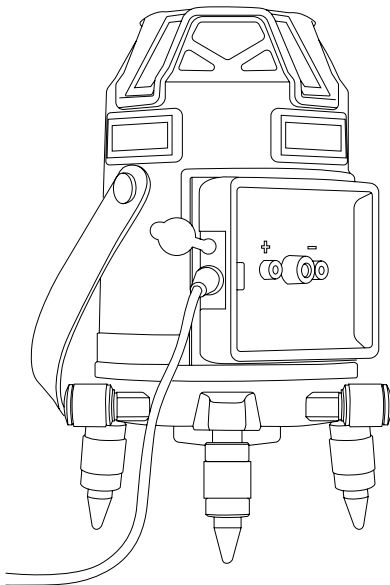
- Charging time is approximately 6-7 hours for a depleted battery.
- When fully charged, insert the battery pack according to polarity and replace the battery door.



Mains power

- The instrument can operate on mains power as an alternative to battery operation.
- Insert the mains power adaptor / charger into the port beside the battery door and plug into a power source.
- Do not store in locations where moisture can be present or where the mains power adaptor / charger could be exposed to extreme temperatures.
- If a mains power adaptor / charger becomes damaged, stop using immediately and seek a replacement.

NOTE: Plugging the mains power adaptor / charger while the battery pack is inserted will charge the battery pack.



SET UP

- 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 or mount.

OPERATION

- To turn the instrument on, press the power button. Self levelling will commence and the horizontal beam will activate. The levelling LED indicator will flash while the instrument levels. Once the LED is solid, levelling is complete.
- If the instrument is outside the self levelling range the instrument will not level causing the laser beam to flash on

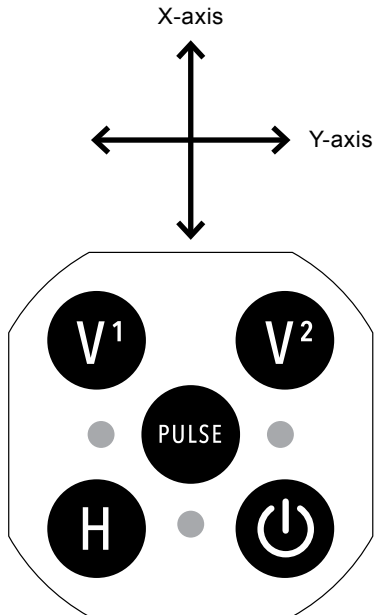
and off repeatedly. If this occurs, reposition the instrument onto a level surface until the instrument can level off.

- Press the V¹, V² and H buttons on the control panel to cycle through the active beams.

Setting up a grade / slope

- Press the power button to turn the instrument on. Self levelling will commence and the horizontal beam will activate.
- Press the V¹, V² and H buttons on the control panel to select the beams required.
- Press and hold the H button for three seconds until the LED levelling indicator begins flashing. The instrument is now set to grade on the X-axis.

- Press the V¹ or V² to adjust the slope of the X-axis.
- To adjust the Y-axis, press the H button. The LED levelling indicator will begin flashing. The instrument is now set to grade on the Y-axis.
- Press the V¹ or V² to adjust the slope of the X-axis.
- Press and hold the H button for three seconds to reset the grade adjustment.
- To exit grade mode, press the power button to turn the instrument off. Press the power button again to turn the instrument on. Self levelling will commence and the horizontal beam will activate.

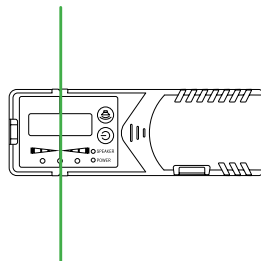
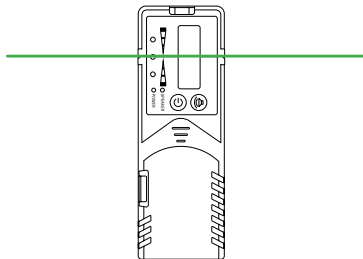


Tilt lock

- Press the power button to turn the instrument on. Self levelling will commence and the horizontal beam will activate.
- Press the V¹, V² and H buttons on the control panel to select the beams required.
- Press and hold the H button for three seconds until the LED levelling indicator begins flashing.
- The instrument can now be tilted to the desired angle.
- To exit tilt lock mode, press the power button to turn the instrument off. Press the power button again to turn the instrument on. Self levelling will commence and the horizontal beam will activate.

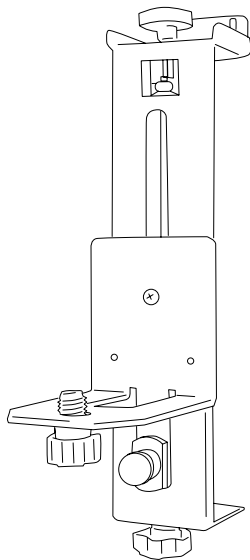
USING YOUR DETECTOR

- Press the pulse mode button on the top of the instrument to enter into pulse mode.
- Switch the detector on by pressing the power button. The speaker will beep indicating the instrument is operating.
- Move the detector into the path of the laser beam.
- Hold the detector upright for horizontal beams. Rotate the detector 90° for vertical beams.
- The LED direction indicators will indicate the position of the laser beam. The centre LED will indicate alignment with the beam.



MOUNTING TO THE WALL MOUNT

- Thread the tripod spacer into the instrument.
- Attach the instrument to the mount using the thumb screw.
- The wall mount can be clamped onto a ceiling track or mounted with screws via the screw fixing points. Ensure that the mount has a strong hold before releasing your hands.
- Press the height adjustment knob underneath the metal plate to raise or lower the instrument to the desired height.

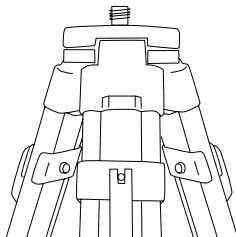
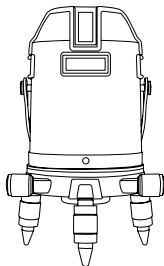


MOUNTING TO A CONSTRUCTION TRIPOD

NOTE: The construction tripod is an optional accessory which can be purchased from your retailer.

- Stand the tripod on a level surface with legs spaced for stability.
- Screw the tripod spacer into the base of the instrument until firm.
- Push the tripod yoke through the hole of the tripod spacer and screw into place.

NOTE: attaching the instrument to a tripod without the correct tripod spacer may cause damage. Instructions are for a domed or flat construction tripod only.



TROUBLE SHOOTING

Error	Cause & Solution
Laser does not turn on	<ul style="list-style-type: none">▪ Check the batteries. They may be in the wrong way or need replacing.▪ Check the battery compartment for signs of damage. Ensure they are clean and not bent.
Laser does not remain on for long periods of use.	<ul style="list-style-type: none">▪ Check the batteries.▪ Check the battery compartment for signs of damage. Ensure they are clean and not bent.
Laser does not level off	<ul style="list-style-type: none">▪ Instrument may be outside its self levelling range. Adjust the instrument or tripod so it is level.▪ Instrument may have low power.▪ Instrument may have impact damage.

CARE AND MAINTENANCE

- This is a precision measuring instrument and should always be handled with care and transported within the carry case provided.
- Always turn the unit off before transporting the instrument or moving around the job site.
- Reflective surfaces such as glass may reflect the laser beam, causing two beams to strike the detector at the same time. This may result in inaccurate reference points.
- Whenever possible, store the instrument in a dry, shady location.
- Calibration of the instrument is recommended: every six months, if ongoing accurate levelling is required, or an impact has occurred.
- The operator should check the accuracy of the instrument before precision levelling is attempted. Failure to do so may result in inaccurate measurements.
- Clean the instrument with a dry, soft cloth after use in dusty, damp or wet conditions before storing.
- Smudges and fingerprints may be removed with a damp tissue or a soft, lint-free cloth.

WARRANTY

The General XL4G comes with a 3 (three) year manufacturers warranty.

AUSTRALIA

“Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.”

For more information please visit
consumerlaw.gov.au

NEW ZEALAND

For more information please visit
consumerprotection.govt.nz

CUSTOMER SUPPORT

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

Australia: 1300 658 338

New Zealand: 0800 367 527

SPECIFICATIONS

Specifications	General XL4G
Product code	70034
Warranty	3 Years
Accuracy	±1mm at 10m
Operating range	50m (with included detector)
Levelling range	±8°
Laser class	3 Green
Battery life	3.5 hours+
Battery type	Li-ion battery pack
Vertical lines	4
Horizontal lines	4
IP rating	65
Weight (kg)	1.50
Dimensions (mm)	205 x 120 x 120



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