GB / ES

LT56 / LT58G
Universal Layout Laser
User Guide



www.spectraprecision.com

Introduction

Thank you for choosing the Spectra Precision LT56/LT58G. This easy-to-use laser tool with (3) x 360° laser planes will allow you to accurately align horizontal and vertical projects. Before using the LT56/LT58G, read this operator's manual carefully. Included is information about operation, safety and maintenance. Ensure that the operating instructions are with the laser tool when it is given to other persons.

Your comments and suggestions are welcome; please contact us at:

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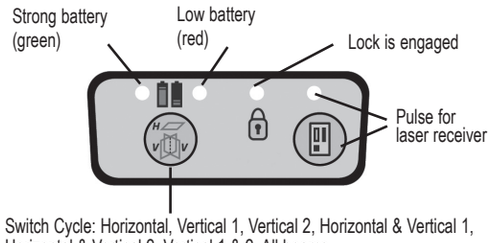
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67661 Kaiserslautern
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Features

Included with the laser: Unit, multi-functional accessory, laser glasses (LT56), spacer (LT58G), target, charger, user guide and case.



General Operation



Switch Cycle: Horizontal, Vertical 1, Vertical 2, Horizontal & Vertical 1, Horizontal & Vertical 2, Vertical 1 & 2, All beams

Compensator Lock - Power ON/OFF



Unlock the compensator to turn the power **ON**

Lock the compensator to turn the power **OFF**

Note: To power on and off in the compensator locked mode, press and hold the cycle switch for 3 seconds

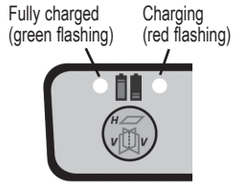
Laser Receiver - If your product includes a laser receiver, the operating instructions are included separately

Note: The laser should be locked during transport

Battery

The laser is powered by lithium ion batteries. The batteries are charged with the included charger. The lithium ion battery has a 2 – 3 year life and is replaceable.

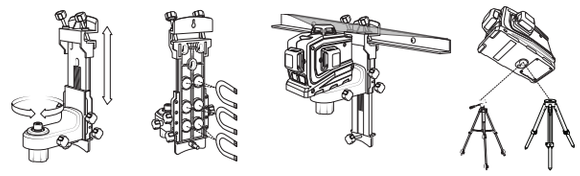
The laser can also run on AC power if the batteries are not charged.



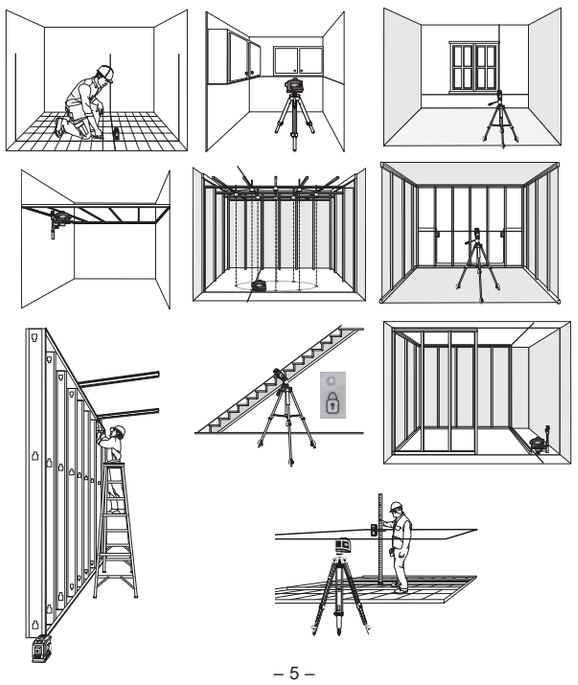
Visibility

The visibility of the laser lines on the floor will improve significantly if the laser is raised above the floor 150 - 500 mm (6 - 18 inches)

Mounting Bracket - includes these functions.



Applications



Specifications

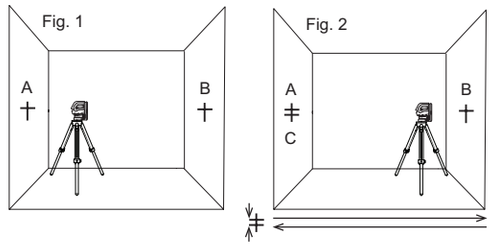
	LT56	LT58G
Accuracy	±3mm @ 15m (1/8" @ 50 ft)	
Visual distance - with HR1220	25m (80 ft) 80m (260 ft)	30m (100 ft) 80m (260 ft)
Laser power - Class	Less than 1mW - Class 2	
Wavelength	630-640nm	520nm
Power Supply	Lithium-ion, 7200 mAh, 3.7 V battery	
Battery Life	25 - 45 hours	11 - 25 hours
Charge time	< 8 hours (30 minute quick charge will provide 2 hours operation)	
Out of Level Indication	Slow flashing beam	
Locked Mode Indication	Triple flash every 10 seconds	
Laser Detection (Pulse)	Yes (HR1220)	
Self-leveling range	4° ±1° all direction	
Environmental - IP	IP54	
- Operating Temp - Storage Temp	-10°C to 45°C (14 °F to 113 °F) -20°C to 60°C (-4 °F to 140 °F)	
Drop Specification	1m (3 ft)	
Size (L x W x H)	152 x 116 x 84 mm (4.6 x 6.0 x 3.3 in)	
Weight	0.67 kg (1.48 lb)	

Calibration Check

It is recommended to occasionally check the calibration of the laser.

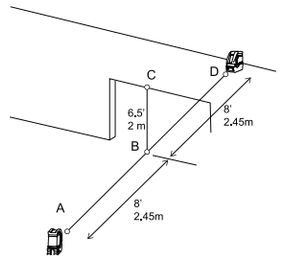
Horizontal calibration check

- Find a room with a minimum 5m (16') width
- Turn on both horizontal and vertical lines
- Place laser near one of the walls (fig.1.)
- Mark horizontal line on near wall A
- Rotate the laser and mark horizontal wall B.
- Move tripod to location near the other wall (fig 2)
- Align the laser so that horizontal line is aligned directly on point B
- Rotate the laser and mark the horizontal line above/below on on Point A. Call this C.
- The difference between A and C is the accuracy of 2x the distance between the walls
- Example. Distance between the walls is 5m (16') and distance between A and C is 3mm (1/8"), then accuracy is 3 mm at 10m (1/8" at 32 ft).



Vertical Calibration Check

- Find a door jamb about 2m / 6.5' high.
- Mark point A at 2.45m / 8' from door jamb
- Turn on the laser vertical line and place it at point A toward the door jamb.
- Use the vertical line to mark point B under the door jamb, mark point C at the top of the door jamb and point D at 2.45m / 8' beyond the door jamb.
- Move the laser to point D and align the vertical line with points A, B and D.
- Mark the point where the vertical line is on top of the door jamb near point C.
- If the line is within 1mm / 1/32", the vertical line is in tolerance.



General Care, Storage and Safety

General safety rules

a) Check the condition of the tool before use.

b) The user must check the accuracy of the tool after it has been dropped or subjected to other mechanical stresses.

c) Although the tool is designed for the tough conditions of jobsite use, as with other measuring instruments it should be treated with care.

Cleaning and drying

1. Blow dust off the windows.

2. Use only a clean, soft cloth for cleaning. If necessary, moisten the cloth slightly with pure alcohol or a little water.

NOTE Do not use any other liquids as these may damage the plastic components.

Battery disposal

Some areas have regulations regarding the disposal of batteries. Be sure to dispose of discharged batteries properly.

Storage

The temperature limits for storage of your equipment must be observed, especially in winter / summer.

Remove the tool from its case if it has become wet. The tool, its carrying case and accessories should be cleaned and dried (at maximum40°C). Repack the equipment only once it is completely dry. Check the accuracy of the equipment before it is used after a long period of storage or transportation.

Transport

Note - The laser should be locked during transport.
Use the original packaging or packaging of equivalent quality for transporting or shipping your equipment.

Laser Safety

Use of this product by people other than those trained on this product may result in exposure to hazardous laser light.

- Do not remove warning labels from the unit.
- The LT56 is a Class 2 laser product (630-640nm).
- The LT58G is a Class 2 laser product (520nm).
- Never look into the laser beam or direct it to the eyes of other people.
- Always operate the unit in a way that prevents the beam from getting into people's eyes.



Warranty

Spectra Precision LLC warrants the LT56/LT58G to be free of defects in material and workmanship for a period of 3 years. Li-ion battery warranty is 2 years. This warranty period is in effect from the date the system is delivered by Spectra Precision LLC or its authorized Dealer to the purchaser, or is put into service by a Dealer as a demonstrator or rental component. Any evidence of negligent or abnormal use, or any attempt to repair equipment by other than factory-authorized personnel or Spectra Precision LLC certified or recommended parts, automatically voids the warranty. The foregoing states the entire liability of Spectra Precision LLC regarding the purchase and use of its equipment. Spectra Precision LLC will not be held responsible for any consequential loss or damage of any kind. This warranty is in lieu of all other warranties, except as set forth above, including an implied warranty. Merchantability of fitness for a particular purpose is hereby disclaimed. Customers should send products to the nearest authorized Factory, Dealer or Service Center for warranty repairs, freight prepaid. In countries with Spectra Precision LLC Service Subsidiary Centers, the repaired products will be returned to the customer, freight prepaid.

Service Request

To locate your local dealer or authorized Spectra Precision Service Center for service, accessories, or spare parts, please visit our websites: www.spectraprecision.com.

Declarations

We declare, on our sole responsibility, that this product complies with the following directives and standards:

IEC/EN 60825-1:2014, EN 50081-1, EN 61000-6-2, 2004/108/EC, Type: LT56 / LT58G

Protecting the Environment

The unit, accessories and packaging ought to be recycled.

All plastic parts are marked for recycling according to material type.

Do not throw used batteries into the garbage, water or fire. Remove them in compliance with environmental requirements.

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Reorder PN 1215-1930 Rev C (04/23)

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