



FREEMANS
TEST & MEASURE

GREEN BEAM
MULTI-LINE LASER
LEVEL 30m



PRO-LL30

www.freemansgroup.com

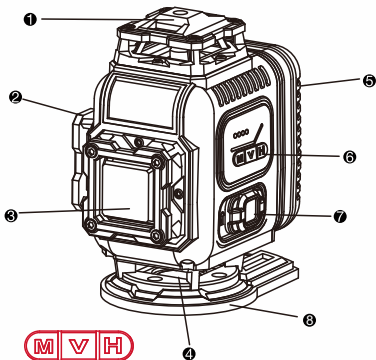
USER MANUAL



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Nomenclature



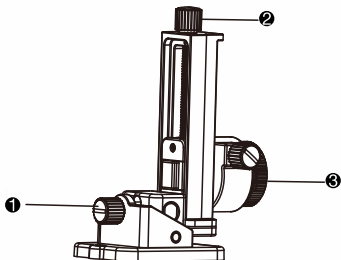
1	360° Horizontal Line 1	7	Lock Switch
2	360° Vertical Line 1	8	1/4"-20 mounting thread
3	360° Vertical Line 2	M	Manual mode/Pulse mode
4	360° Horizontal Line 2	V	Vertical Line/Dim laser
5	Li-ion battery	H	Horizontal Line/ Brighten laser
6	The Control Panel		



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Accessories



1	Angle adjustment handwheel	3	Parallel moving handwheel
2	High and low adjustment handwheel		

- 1-Laser Level
- 2-Charger
- 3-Magnetic Bracket
- 4-Lifting Base
- 5-Iron Sheet
- 6-Remote Control
- 7-Li-ion battery * 2
- 8-Tripod Adapter



Technical Specifications

Model	PRO-LL30
Output Laser	2 x 360° Horizontal line 2 x 360° Vertical line
Laser Wavelength	515nm
H/V Accuracy	±3mm/10m
Laser Class	Class II
Laser Light Source	Green Beam
Automatic Leveling Range	±3°
Working Range	30m (with laser detector 60m)
Working Voltage	3.7V
Operating Temp	-20°C~50°C
Operating Time	Approx 5 hours (all laser lines on)
Power Supply	3600mAh Li-ion Battery* 2
IP Rating	IP54
Mount Size	1/4"-20 Mounting Thread
Contents	Machine, 2*Batteries, Lifting Base, Magnetic bracket, Iron sheet,Charger, Remote control, Tripod adapter

1 year warranty against manufacturing defects.

Button Functions _____



1) V Button

Turn the laser level on by sliding the Lock Switch to the unlocked position. A horizontal laser line will appear.

1.1) Short Press the V button once to display the first single vertical 360° laser line.

1.2) Short Press the V button again to display the second single vertical 360° laser line.

1.3) Short Press the V button the third time to display both the single vertical 360° laser lines together.

1.4) Long Press the V button and the device will start to alarm, and the laser lines will dim. This will help to preserve the battery of your device. Note that if the laser lines are already at their dimmest there will be no change. Alternate between long press V and long press H to dim or brighten your laser lines as per your requirements.

Button Functions _____



2) H Button

Turn the laser level on by sliding the Lock Switch to the unlocked position. A horizontal laser line will appear.

1.1) Short Press the H button once to display the second single horizontal 360° laser line.

1.2) Short Press the H button again to display both the single horizontal 360° laser lines together.

1.3) Long Press the H button and the device will start to alarm, and the laser lines will brighten. Note that if the laser lines are already at their brightest there will be no change. Alternate between long press V and long press H to dim or brighten your laser lines as per the requirements.

Button Functions _____

3) M Button



Turn the Laser Level on by sliding the Lock Switch to the unlocked position, a horizontal line will appear. By default your device will enter self-leveling mode. The auto-leveling range is $\pm 3^\circ$. If the levelling range is exceeded, the laser line will flash continuously and be accompanied by a beeping sound.

3.1) Short Press the M button once to enter the flash mode, the laser line brightness will dim.

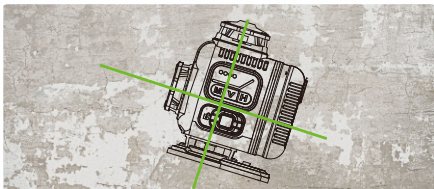
3.2) Short Press the M button again to go into flash mode. The laser Lines will flash quickly at a high frequency. This will help to make you're the laser easier to view in outdoor areas. Short Press the M button again to exit flash mode.

3.3) Long Press the M button and you will hear a short beep which indicates that the device is now in manual mode. In this mode, the device will not flash/alarm when it is placed at an angle. Long Press M again until you hear a short beep, to exit Manual mode.



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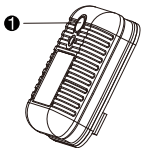
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NOTE:

- 1) The device can be positioned close to the wall. It is advised to maintain a minimum distance of 6-7mm from the wall for optimal performance.
- 2) The device is suitable for both indoor and outdoor use. Use pulse mode/darkest/lightest settings as per the above instructions for optimal performance depending on environmental conditions.

Battery Replacement



- 1) **Charge Notification:** If the device shows low power or alarms, it is time to charge its battery.
- 2) **Connect Charger:** Plug the charger provided into the AC socket and then plug the battery into the charger. The red light indicates that the battery is charging. Only use the plug that comes in the official box.
- 3) **Fully Charged Indicator:** A green light on the charger battery indicates that the battery is fully charged.
- 4) **Disconnect Charger:** Once your battery is fully charged, you can unplug the charger from the AC socket and unplug the battery from the charger.
- 5) **Safety Tip:** Always unplug your charger after the device has completed charging.

Maintenance Instructions _____

- 1) No Disassembly:** Do not disassemble the instrument on your own. If you have any questions, kindly contact us using the details provided in this manual. Any repair required should be performed only by qualified service personnel, otherwise it will result in an increase of laser emission power and unnecessary harm to humans.
- 2) Handle With Care:** Do not drop, knock, or shake your device, as this can affect its accuracy and function.
- 3) Use Your Batteries Wisely:** Excessive overcharging or undercharging your battery can damage it and shorten its lifespan. Your batteries will need to be charged every one or two months. Remove the battery if you do not plan to use the device for an extended period.
- 4) Cleaning:** Use a soft cloth and a neutral detergent to clean the surface of the device. Ensure you dry the device properly. The laser glass can be wiped down with alcohol.
- 5) Storage & Transportation:** Ensure that the device is locked/switched off during transportation. The device must be stored in dry conditions, away from direct sunlight.

Precautions

- 1)** If the Laser beam is directed at your eyes, you must close your eyes immediately. Move the laser beam at once, so it is not in your line of sight.
- 2)** Do not point the laser beam at people or animals. Do not look directly at the laser beam or its reflection. The laser beam if used incorrectly can damage your eyes.
- 3)** Do not stare directly into the beam or view directly with optical instruments, such as, but not limited to, telescopes or transits to view the laser beam, or set up the instrument at eye level. Serious eye injury could result.
- 4)** The device uses a 3600mAh Li-ion Battery*2, and its positive/negative poles cannot be accidentally misconnected.
- 5)** The device must be kept out of the reach of children.
- 6)** Do not stare directly into the beam or view directly with optical instruments, such as, but not limited to, telescopes or transits to view the laser beam, or set up the instrument at eye level. Serious eye injury could result.
- 7)** Do not dispose the batteries in fire.
- 8)** Do not dispose of this product and its batteries with household waste.

Warranty

All **FREEMANS** Test & Measure products are guaranteed for **1 year from the date of sale** against manufacturing defects. This guarantee does not cover damage due to modifications, misuse or fair wear and tear.



Please Retain This Instructional Manual or Sales Invoice In Order to Claim Your warranty (If Applicable)

Contact us:

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