

UNI-T®



LM573LD-II Laser Level User Manual

P/N:110401109914X

1. Product Introduction



1	360° horizontal glass window	2	360° vertical glass window V1
3	360° vertical glass window V2	4	Pendulum lock
5	Button	6	Battery door
7	Charging interface		
8	LED indicator (left: power indicator, right: outdoor pulse mode indicator)		

2. Safety Guidelines

Before using this product, please carefully read and follow the safety instructions, otherwise the warranty may be invalidated.

Warning!

- Class 2 laser product
- Maximum output power: $\leq 1\text{mW}$
- Wavelength: 510nm-515nm

Laser radiation:

- Do not stare into beam
- Do not directly expose to eyes
- Avoid using optical instruments

3. Cautions

Some product kits will provide glasses. Please note that these glasses are not safety glasses. They are only used to help users recognize the laser beam in strong ambient light or when the light source of the laser instrument is distant.

Do not stare into beam or directly observe the laser beam via an optical instrument or set the instrument at the eye level (to avoid damage to the eyes).

- Do not disassemble the laser instrument without authorization.
- Do not refit the instrument without authorization in any way; otherwise it may cause harmful laser radiation exposure.
- Do not use the laser instrument around children or allow them to use it.
- Exposure to Class 2 lasers for no more than 2 seconds is generally considered safe, because natural eyelid reflexes (blinking) usually can provide adequate protection.

4. Operation Instructions

- When the laser instrument is locked, press and hold the V button to turn it on and emit a horizontal laser line. At this time, the laser line will flash once every 5 seconds, and the indicator will be green.
- When the instrument is unlocked (toggle the pendulum lock to the unlocked position) and turned on, it can also emit a horizontal laser line. When the Instrument exceeds its self-leveling range ($3^{\circ}\pm 1^{\circ}$), the laser beam will flash quickly.
- Continuously press the V button to switch the operating mode of the instrument cyclically.
 - Generate 1# vertical plane
 - Generate 2# vertical plane
 - Simultaneously generate two vertical planes
 - Press the H button to switch to the horizontal plane
 - Generate a horizontal plane
- Only when the pendulum lock is in its locked position, long pressing the V button can turn off the instrument.

Note: It is to ensure that users must toggle the pendulum lock to the locked position before shutting down the instrument.
- The self-leveling mode of the instrument can be turned on only when the pendulum lock is in the unlocked state.
- When the instrument is in use, the charging/power indicator is off. When the battery power is 20% remaining, the charging/power indicator will flash in red color, and the instrument will automatically shut down after it is fully discharged. When the battery pack is being charged, the charging/power indicator will flash in red color to remind users that the instrument is being charged. When fully charged, the charging/power indicator will switch to a steady green state. When directly using the charging interface on the instrument to charge, the green light will flash, and when it is fully charged, the indicator will switch to a steady green state.

5. Manual Mode

In the shutdown state, press and hold the V button for more than 3 seconds to enter the manual mode. At this time, the instrument is turned on and emits a horizontal laser line. The lock indicator is always on, and the laser line will flash once every five seconds to remind users that it is in manual mode. The laser line can be set to different angles. In the manual mode, press and hold the V button again for more than 3 seconds, or toggle the pendulum lock to enter the self-leveling mode and then toggle it again to shut down.

Note: The laser line in the manual mode cannot be used as a horizontal/vertical reference line.

6. Pulse Mode

In the self-leveling mode, long press the V button to enter the outdoor pulse mode. At this time, the pulse indicator is always on and the brightness of the laser line decreases. The instrument can work with a dedicated laser receiver. Long press the V button again to exit the pulse mode.

7. Remote Control Mode

This product is equipped with a remote control chip, which can remotely switch the functions of the instrument via the equipped remote control. Pairing is required when using the remote control for the first time. Turn on the instrument first and then press and hold the H button of the instrument and the H button of the remote control simultaneously for more than 3 seconds to successfully pair.

Note: The remote control function can only be used after the instrument is turned on. The remote control can only switch functions, and cannot remotely turn on/off the instrument and control the pulse mode.

8. Specifications

Basic functions	LM573LD-II
Laser type	Green LD
Laser wavelength	520nm±5nm
Laser power	30mW
Laser class	CLASS 2
Laser lines	12 lines
Horizontal accuracy	$\leq \pm 3\text{mm}/10\text{m}$ ($\pm 60''$)
Vertical accuracy	$\leq \pm 3\text{mm}/10\text{m}$ ($\pm 60''$)
Laser linewidth	<4mm/10m (indoor lighting: 80~100lux)
Minimum distance to wall	10mm
Emission angle	360°
Operating distance	In pulse (5:5) mode: 50m
Operating temperature	-10~50°C
Storage temperature	-10~50°C
Outdoor pulse	√
Leveling time	≤3s
Leveling range	3°±1°
Leveling modes	Magnetic damping, heavy hammer
Battery type	Lithium battery pack (contains two 18650 cells)
Battery capacity	5200mAh, with a Type-C interface

9. Accessories

Laser level	-----1pc
Remote control	-----1pc
5200mAh lithium battery	-----1pc
User manual	-----1pc
LM312 bracket	-----1pc (6 months warranty)
Type-C charging cable	-----1pc
Charger	-----1pc
Toolbox	-----1pc

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