

3D 12 Lines Laser Level



HOW TO OPERATE THE UNIT

RIGHT SIDE: Pendulum Lock

The 3D Cross Line Laser is a precision instrument and should be treated with care.

When not in use, the pendulum should always be in the Lock position (**figure 1**), To lock the pendulum allows the Cross Line Laser to better withstand vibration and trauma incurred during transportation or if the unit is dropped.



Figure 1

LEFT SIDE-Automatic Leveling

When the pendulum is unlocked (**figure 2**), the pendulum is free to automatically level. In order for the Cross Line Laser to automatically level, the base of the unit needs to be within 5° of level.

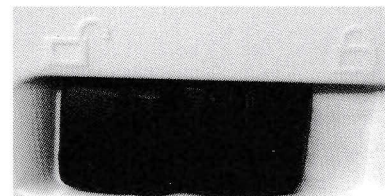
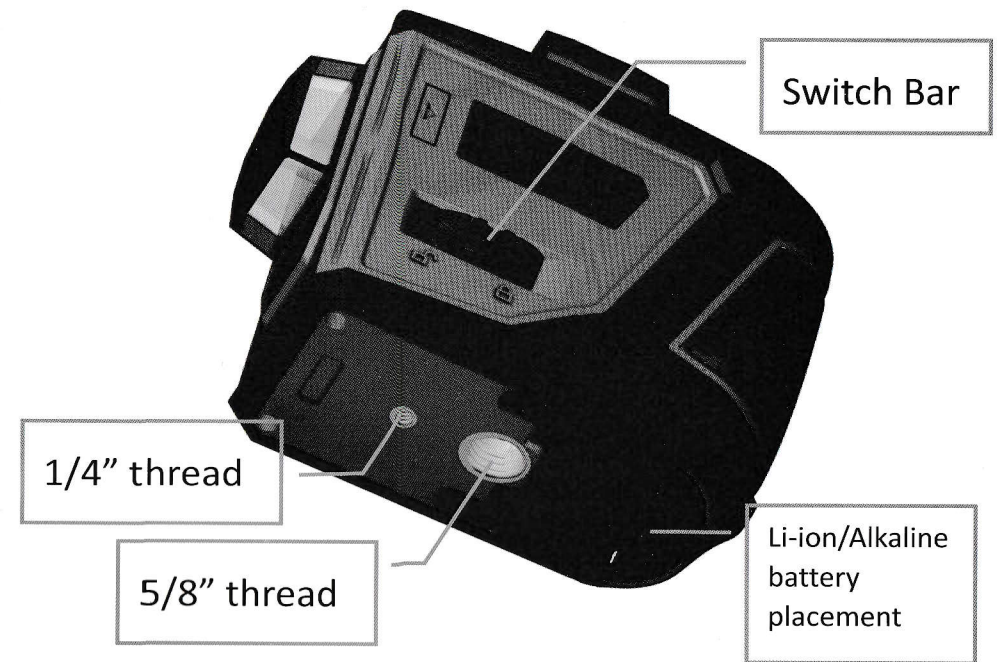
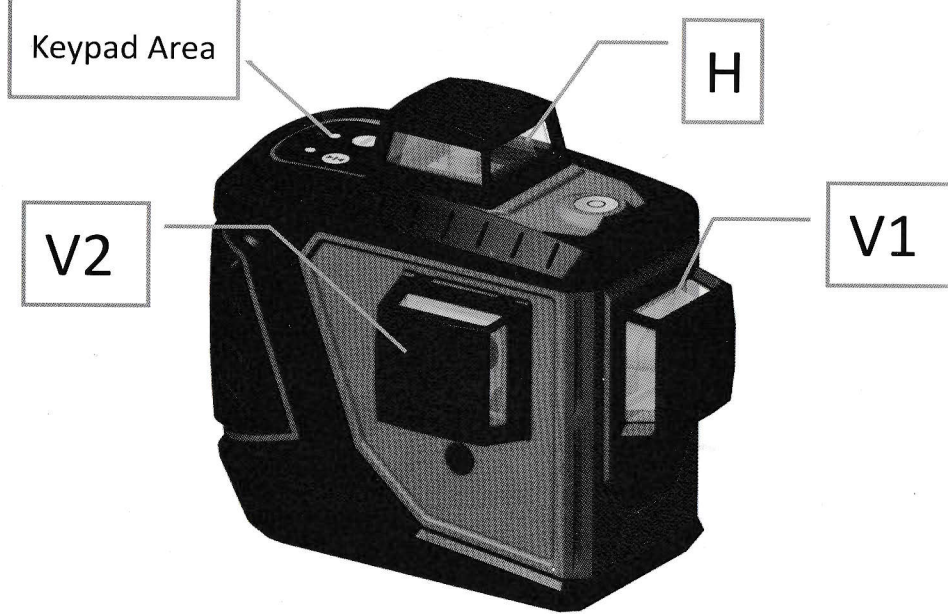
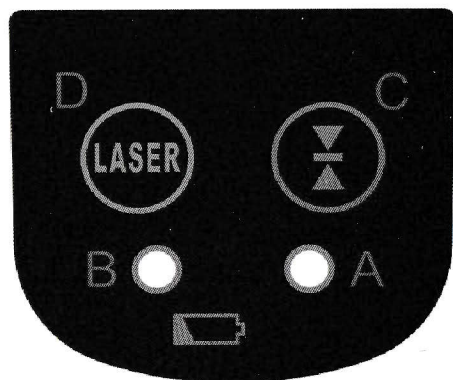


Figure 2



Keypad:



A. Pulse indicator

C. Pulse button

When pulse is on, this indicator A will turn to red, at this moment laser line can be

picked up by laser receiver. Press this key C again to turn off the pulse function and the light will be off.

B. Power indicator

When switch on the laser the power indicator will be in continuous light up.

When voltage is low, the indicator will wink slowly.

When voltage turns to flat, the indicator will start to wink quickly before the laser shut off automatically.

D. Line Selection

-Line Selection: By pressing Line Selection Button at the keypad panel can make a various change/collocation of laser lines. The sequence of it is as below:

Laser will be switched on with H laser.

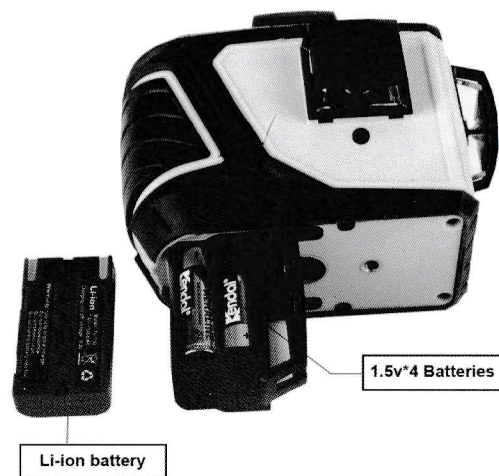
Press Line Selection Button for one time, Both H & V1 laser will be on.

Press Line Selection Button for two times, All the three laser lines including H, V1 & V2 will be on simultaneously

Press Line Selection Button for three times, it will turn back to first sequence of the laser.

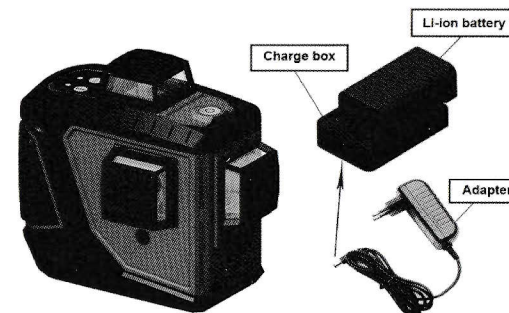
Battery:

This device can be used for AA alkaline batteries(1.5V) and lithium batteries.



Charger:

Lithium battery can be charged when not use. Put it onto the charge box that comes with the kit and connect it with power adaptor to charge the battery.



Time to full charge the battery:3-4hours.

Battery capacity: 1500mAh.

LED indicator at charge box:

Red: In Charging. Green: Full Charged. Winking with red: Wrong connecting.

Benefit Feature:

Lock Emitting:

When our 3D laser is in the mode of Pendulum Lock (switch bar at right side).

By pressing/holding line selection button for 3 seconds to activate Lock Emitting mode.

Line will come out from laser but be aware at this mode the laser itself is out of accuracy as the pendulum is locked.

Laser at this moment can be used for some “special” applications such as stairs alignment since the pendulum is locking.

Line alarm when at Lock Emitting mode:

Laser line will flash for every 5 seconds to notice user that the laser is out of accuracy.

Alarm Functions

Out Level Alarm:

When the pendulum is unlocked and the Cross Line Laser is within 3.5° of level, the unit will be in automatic leveling range, in this situation no LED light will be on.

When the base of the unit locates outside the 3.5° leveling range the laser beam will flash meanwhile an audibly warning will be sent out from Cross Line Laser.

Low Battery Alarm:

The Green battery LED will be on and keep flashing slowly when the working voltage is lower than set data. At this situation the batteries are required to be recharged.

Specification:

Accuracy	±2mm/5m
Leveling Range	±3°
Working Range/With Detector	15m(Indoor) and 60m by working with laser receiver
Tripod Thread	1/4" & 5/8"
Laser Type	Red:660nm Green:505-520nm
Operating Temperature	-10℃ to 50℃
Storage Temperature	-20℃ to 60℃
Dimension	132 x 85 x 127/mm3
Continuous Working Time	Li-ion≥10hour,Alkaline≥5hour(All Red Diode on) Li-ion≥5hour,Alkaline≥3hour(All Green Diode on)
Protection Class Spray Water/Dust	IP54
Net Weight	0.8kg