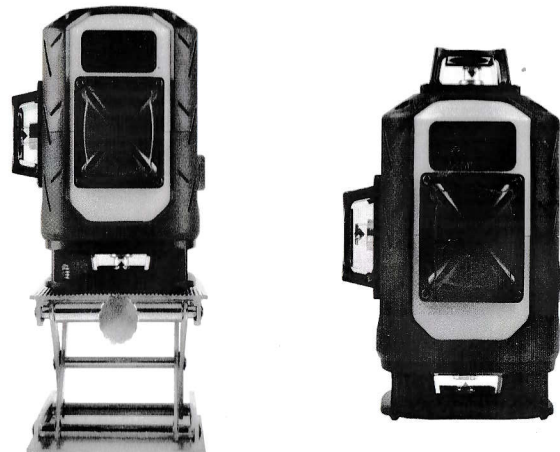


# 3D/4D series Laser

Operating Manual / Safety Instruction

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# Introduction

Thanks for selecting 3D/4D laser level. Congratulations, you have obtained one reliable, durable and professional laser-tool. This 3D/4D Laser combines the advantages of all laser level, using latest laser technology but keeping the comfortable, convenient and concise design. Whether you are doing professional construction job or home-made decoration. This laser level can offer you optimal solution. It is one premium product in laser level family by adopting advanced techniques and finest materials.

## Warning And Caution

- The 3D/4D laser level is ranked as class II laser. Be careful not to expose your eyes to the laser beam while the instrument is operating. Direct exposure to the laser beam for a long time may be hazardous to your eyes.
- Do not try to dismantle the instrument. Have it repaired by your dealer or supplier. Dismantling it by yourself may worsen the problem.
- When attaching the instrument to a tripod, make sure the instrument is securely fixed to the tripod and the tripod leg clamps should be securely fastened. If not securely fastened or tightened, the main unit could fall off or the tripod could fall over.
- When setting the tripod, beware of the tripod shoes which are sharp. These sharp points allow tripod to be securely positioned on the ground.
- Avoid using the instrument to target on vehicle drivers or pedestrians. Avoid putting the laser on a highly reflective material such as mirror. When disposing of this instrument, take a measure by removing the batteries so that the laser will not be emitted.

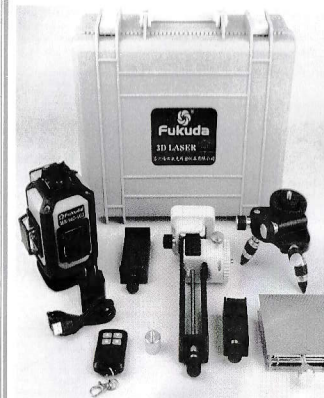
## Precaution

- This laser series is a precision instrument and should be treated with care.
- The instrument should not be store or used in extreme temperature or job on place subject to rapid change of temperature. The instrument may not function properly if used out of the ambient temperature range.
- Store inside the carrying case and place in a dry area not subject to vibration, dust or high moisture.
- When storage and usage temperature are widely different, leave the instrument in the case unit it can adjust to the surrounding temperature.
- The instrument should be transported or carried carefully to avoid impact or vibration.
- The instrument should be stored in the carrying case and packed with cushioning material. Always handle the item with care.
- Be sure to observe the items in the instruction manual for proper use of the instrument.

## Professional Laser-set

1. Laser Level
2. 3.7V 4000mAh Li-ion battery
3. Iron plate
4. Professional Wall bracket
5. Fine adjustment moving base
6. Lifting platform
7. Upper frame adapter(only for 4D)
8. Down frame adapter
9. Tripod adaptor
10. Remote control
11. Charger
12. Operating Manual
13. Warranty Instruction

4D series



3D series



## Operation

### LEFT SIDE - Pendulum Lock

When not in use, the pendulum should always be in the Off position.

Locking the pendulum allows the Cross Line Laser to better withstand vibration and trauma incurred during transportation or if the unit is dropped.

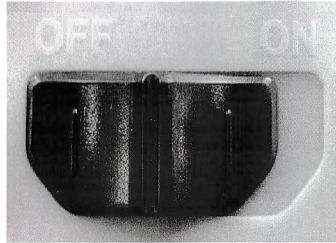


Figure 1

### RIGHT SIDE - Automatic Leveling

When the pendulum is unlocked (shown in figure 2), the instrument is ready to level automatically within 3° level.

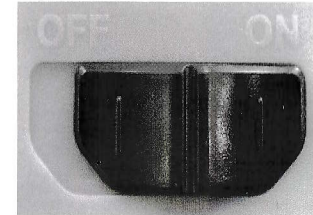


Figure2.

## Control Panel

### Utilities of Panel

Using 4D/3D series is quite simple.

-RX Mode: It can make the laser diode with PULSE (The RX indicator will be on). The laser line is able to be picked up by detector after this function is activated.

-Line Selection: By pressing Line Selection can make a various change/collocation of laser lines.

The sequence of it is as below:

H1 → H1+V1 → H1+V1+V2 → H1+V1+V2+H2 →

H1 (shown in Figure 3)

-Slope mode: Once the switch is in 'Off', press the 'Laser' button for 3 seconds, device will be in slope mode.

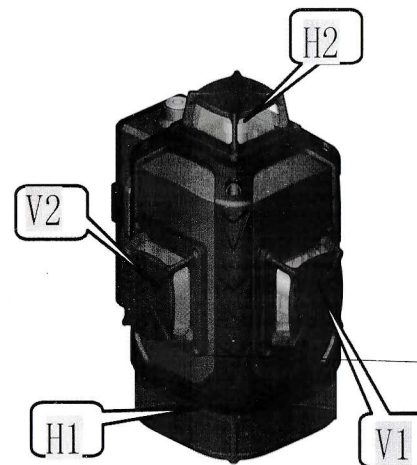
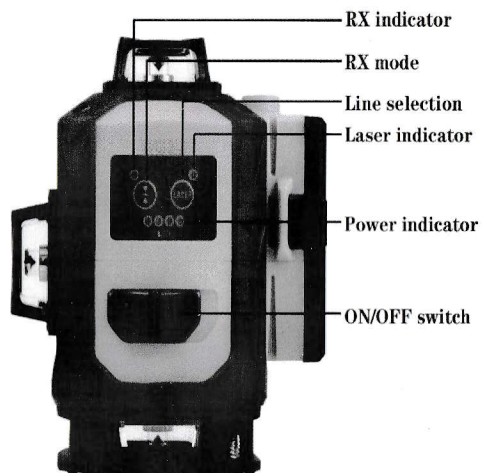


Figure 3

### 3D/4D series Specification

Over-all accuracy	±3mm/10m
Leveling Range	±3°
Working Range/Detector	20m/50m with detector
Tripod Thread	1/4
Moving Range	±10mm
Laser Type	class II @ 503-520nm
Operating Temperature	-10°C to 40°C
Storage Temperature	-20°C to 60°C
Dimension	118 x 101 x 122/136(MM)
Continuous working time	Min 8hrs/5hrs(3D-3GJ/4D-4GX) Min 6hrs(4D-4GJ/3D-3GX)
Protection Class	IP 54
Net weight	0.8KG
Batteries	3.7V 4000mAh Li-ion battery

## Alarm Function

### Leveling Alarm

Once the pendulum is switched on, the instrument will be self-leveling within 3°. When the unit is using out of the leveling range, laser lines will keep flashing frequently. In that case, it is necessary for users to replace the instrument.

### Low-battery Alarm

If only the Far Left LED of Power indicator bright, the instrument will self-switched off. Users need to charge the battery.