

# GPR-G11(Green Beam)rotary laser level operation manual



3.Power Switch

2.Manual/Automatic leveling

1.Left spinning(counter clockwise)  
1.Right spinning(Clockwise)

Charging hole

7.ADS function

5.Direction scanning

6.Speeding up Handle

4.Slope grade adjustment

## Operation Manual:

1. Left spinning(counter clockwise)/Right spinning (Clockwise) : You can turn the dot left or right after the rotation stops.
2. Manual/Automatic leveling: The machine can't be leveled automatically after trigger this button, then you can adjust the slope manually.
- 3.Power Switch : Power switch of machine ◦
- 4.Slope adjustment : The arrow UP, DOWN, LEFT and RIGHT can adjust the slope grade of X axis and Y axis ( Y axis is from front panel to rear ) ◦
- 5.Direction scanning : Five stage scanning,0°-10°-45°-90°-180°, you can reach the position you need by press the direction scanning button reverse.
6. Speeding up: The speed of rotation is set as 0-60-120-300-600r.p.m.
7. ADS leveling : In order to avoid the deviation caused by the shock in level condition, lock the machine by press this button.
8. The machine is in condition of anti shock mode when the light blink slowly; the machine is in leveling condition after shaking when the light blinks quickly

### The specification :

- 1.Accuracy : ±20"
- 2.Leveling range : ±5°, leveling automatically
- 3.Speed up : 0,60,120,300,600 r.p.m.
- 4.Direct scanning : 0°、10°、45°、90°、180°
- 5.Dimension : 160(L)x160(W)x185(H)mm
- 6.Weight : 2 kgs

13: Certificate: CE

### Battery :

- 1.Rechargeable battery
2. AA battery box(No. 2 battery\*4),the machine can't work if you use AA battery box but with charger inserted in operation.
3. When connect the adaptor, you should use rechargeable box instead of AA battery box.
- 4.The machine can't work with only adaptor but without any battery box installed

7. Laser Diode: 520 NM True green beam , Operation Temp: -10°C to + 50°C
- 8.Power : DC 4.8-6V (NI-MH rechargeable battery)
9. Working range: around diameter 300m (With receiver)
10. Water proof: IP-56
11. Charging 4.5hr, working 10hr
12. Remote controller distance:100m

Accessories : stand accessorie

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# Rotary laser remote controller operation

Catalogue:1 Remote Controller

1.1 Screen content

1.2 Function button

2 Function

2.1 Manual Slope grade adjustment

2.2 Automatic Slope grade adjustment

2.3 Back light power switch

2.4 Speed of rotation

2.5 Direction scanning

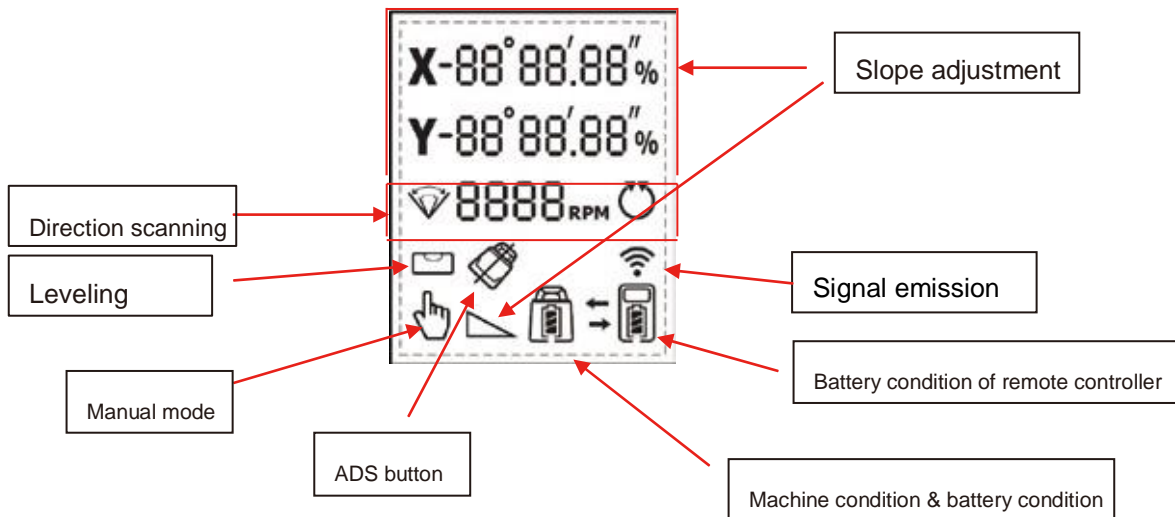
2.6 ADSleveling lock

2.7 Left/Right rotating button

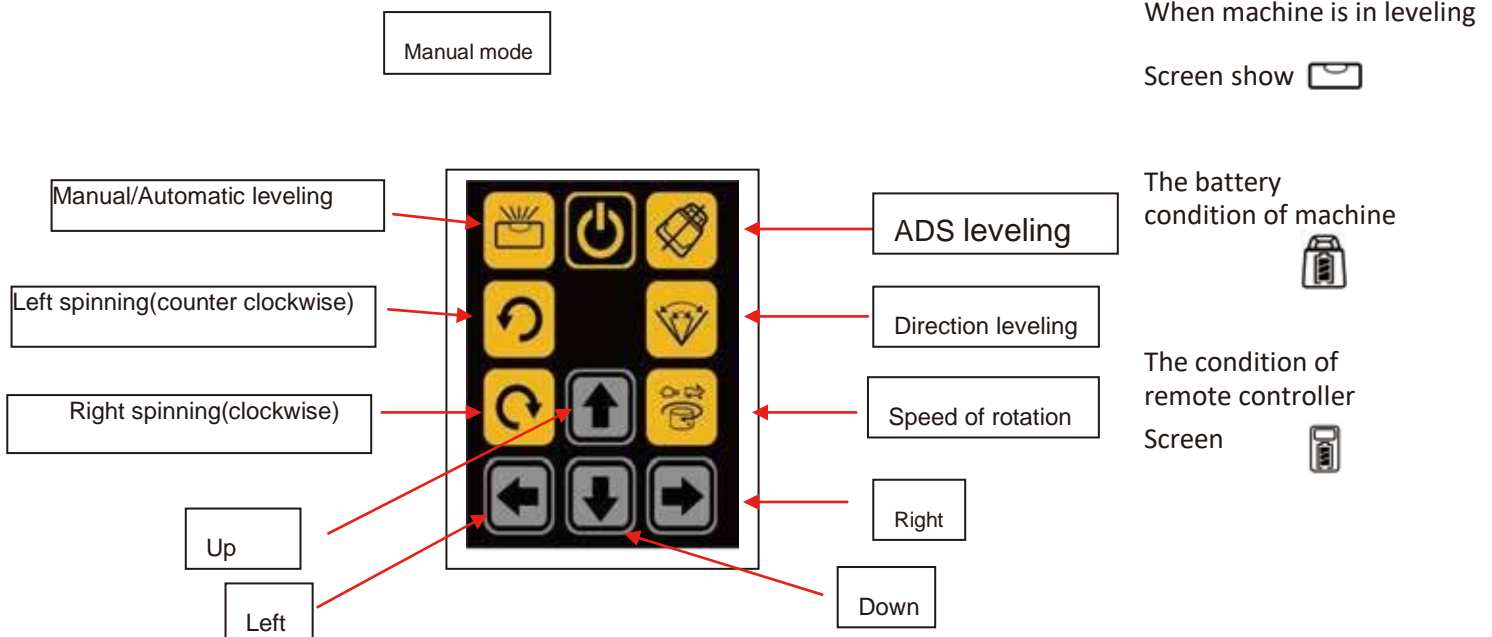
2.8 Power ON/OFF

## 1 The functions of remote controller


### 1.1 Screen content

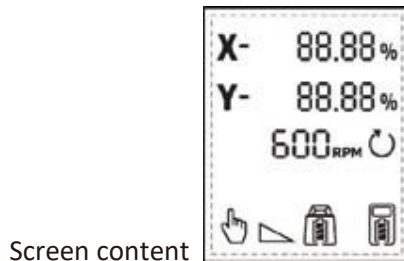


### 1.2 Function buttons



## 2 Operation explanation

2.1 Press  button "automatic/manual leveling", stop automatic leveling, enter manual slope grade adjustment.

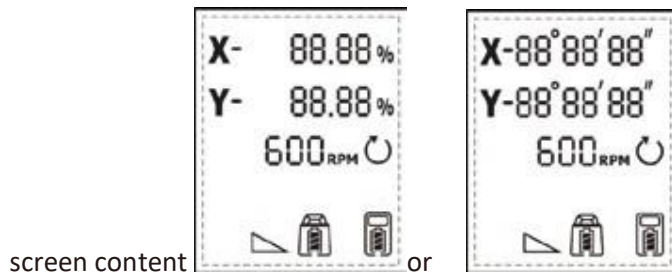


2.1.1 Use  or  adjust the X axis position, the machine will feedback.

2.1.2 Use  or  adjust the Y axis position, the machine will feedback.



2.1.3 Press  clear the slope adjustment setting °


2.2 Automatic slope grade adjustment: press  (2s UP), enter slope grade setting.



2.2.1 Press  or  choose(change) the default setting(blinking )

percentage X → percentage Y → degree, minute, second X → degree, minute, second Y

2.2.2 press  or  increase or decrease the setting target.

2.2.3 press  enter into the slope grade adjustment mode → send out the demand.  
(blinking stop)

2.2.4 The machine will releveling, enter into the set slope grade.


2.2.5 Enter into the adjustment mode by repeat step 2.2.1

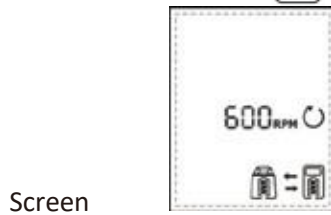
2.2.6 Press  to clear automatic slope adjustment.


2.3 The power switch of back light :


2.3.1 Press the  and  simultaneously in the remote controller, turn ON/OFF back light.

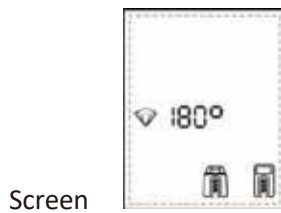
2.3.2 When the back light is ON, it will turn OFF automatically after 30seconds.

Press button  "rotation/speed of rotation "




2.4.1 Press button , the speed of rotation will shift in 0-60-120-300-600 r.p.m

press button  begin the "direction scanning. "





2.5.1 Press button , direction scanning will shift 0°, 10°, 45°, 90°, 180°.


Press button , ON/OFF ADS leveling locking function.




2.6.1 When the set value is deviated caused by shaking, the machine will alarm.


Turn left,  right  button, only work in condition of direction scanning rotation/rotation speed is zero.

2.8 Power ON/OFF

2.8.1 Press  machine will turn OFF, the power button should be turned OFF manually when the machine is idle.

2.8.2 Press  turn ON remote controller & connect with machine.

2.8.3 Press Power, the machine will turn OFF, standby mode  will blink.

2.8.4 The remote controller will turn OFF automatically after 3 minutes in idle, but the machine will still in working; press the button  again to recover the remote control.