

- Instructions -

RT02

Smart Radar Bicycle Tail Light

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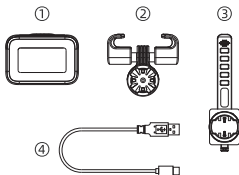
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Bicycle Tail Light Instruction Manual

List

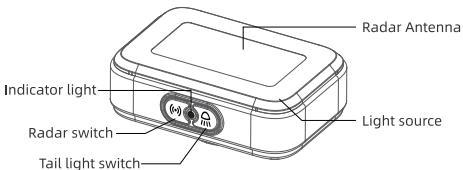
- ① RT02 Tail light
- ② Saddle Stands
- ③ Seatpost bracket
- ④ TYPE-C Charging Cable



Parameter

Mode	Bright / Fast Flashing / Slow Flashing Breathing Flashing / Warning Flashing
Battery	Lithium Polymer Battery 1000mAh
LED	COB light source * 40
Radar	24GHz millimeter wave radar
Battery life	≈3~6H (Lab data)
Material	Aluminum alloy + PC
Protective	IP64
Dimension	62 x 42 x 24 mm
Weight	≈55g

operating mode



Tail light switch

1. In the off state, click the tail light switch to turn on. Tail light has 5 light modes: Bright/Fast Flashing/Slow Flashing/Breathing Flashing/Warning Flashing; switch the modes by clicking the switch;
2. click the tail light switch to turn off the device after it has been turned on for more than 5 seconds;
3. long press the tail light switch to turn off when it is on;

Mode	Bright	Fast	Slow	Breathing	Warning
Endurance	3 H	3 H	6 H	3 H	5 H

Radar switch

Click the radar switch to toggle the radar function on and off;

Radar function tip

When the radar function is on, the light flashes twice;

When the radar function is off, the light goes from brightest to off;

Attention:

1. The tail light function and radar function are independent of each other and can work independently of each other;
2. When the power of the tail light is not enough, the radar function will be turned off automatically. Ensure that the tail lights work normally.

Autosleep

1. RT02 will automatically enter the hibernation state when no movement is sensed within 30 seconds;
 2. When sensing vibration, it will automatically exit the hibernation state and return to the pre-hibernation state;
- Hibernation state: turn off the tail light function and radar function;

Brake Sensor Function

1. When the tail light function is on or the radar function is on, it will automatically enter the brake sensing function;
2. When the bicycle brake is detected, the tail light will light up for 3 seconds to remind the pedestrians or vehicles behind;

Radar function

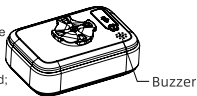
1. When detecting a vehicle or pedestrian entering the detection distance behind, the tail light will show high brightness to remind. At the same time, the buzzer will emit a "drop" sound to remind the user;
2. When a vehicle or pedestrian is detected to the rear and enters the 10 meters distance, the tail light will flash to remind. At the same time, the buzzer will emit two "drops" to remind the user;
3. Intelligent filtering: only detect vehicles that are 10km/h faster than RT02, and filter out slower vehicles;

Turn on/off the buzzer

Double click on the radar switch: turn on/off the buzzer;

Turn on the buzzer: emit two beeps;

Turning off the buzzer: a single beep is emitted;



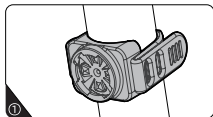
Indicator light description

When RT02 is used

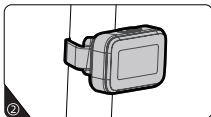
Indicator light color	Green color	Red blinking	Blue color
Remaining power	≥ 10%	< 10%	Radar sensor on

Charging (red light blinking: power < 100%; green light always on: power = 100%)

Mounting to the seat post

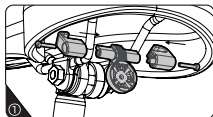


1. Attach the strap bracket to the seat tube;

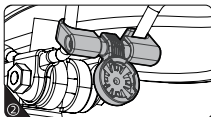


2. align the tail light bottom buckle with the notch in the base and press in and rotate 45°;

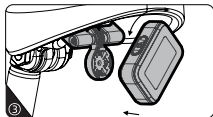
Installing under the saddle



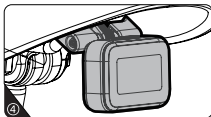
1. snap the left and right fasteners of the base under the seat cushion and insert the left and right screws;



2. adjust the base position and tighten the left and right screws;



3. align the tail light bottom buckle with the notch in the base and press in and rotate 45°;



4. Installation is complete;

Requirements for micropower short-range radio equipment:

1. Specific: Class H equipment

(1) Frequency of use: 24-24.25 GHz;

(2) Transmitted power limit: 20mW;

Usage scenario: street;

Antenna type: patch antenna;

Performance/Control: Adjustment of micro-transmit power and uncontrollable;

Adjustment and use of the product: on or off i.e. turn on or off the micro power radio transmitter;

2. shall not change the use scene or conditions of use, expand the range of transmitting frequency, increase the transmitting power (including additional installation of RF power amplifiers), and shall not change the transmitting antenna without authorization;

3. shall not cause harmful interference to other legitimate radio stations (stations), nor shall it propose protection from harmful interference;

4. may accept interference from equipment radiating RF energy for industrial, scientific and medical (ISM) applications or interference from other legitimate radio stations (stations);

Precautions

1. this product is used in IP64 protection class, please do not put into water or fire, long time exposure to the sun;

2. to ensure the accuracy of radar sensing, please do not have any cover in front of the radar antenna;

3. the radar function consumes a lot of power, after turning on the radar function, it will shorten the use time of the tail light;

4. when the product is not used for a long time, store it properly after fully charged and recharge it once every three months;

5. Prohibit non-professionals to disassemble this product by themselves;

Warranty

1. one year free warranty for quality problems or defects of the product itself;

2. the warranty period of the battery is 6 months;

3. product defects and damages caused by improper use or unauthorized modification or repair are not covered by the warranty;