

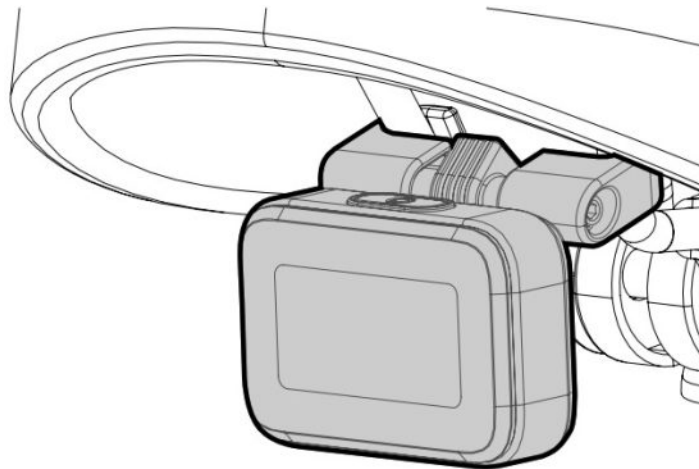


Geek RT02 Intelligent Radar Bicycle Taillight User Manual

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Geek

INTELLIGENT RADAR
BICYCLE TAILLIGHTS



ITEM NO.: RT02
MANUAL

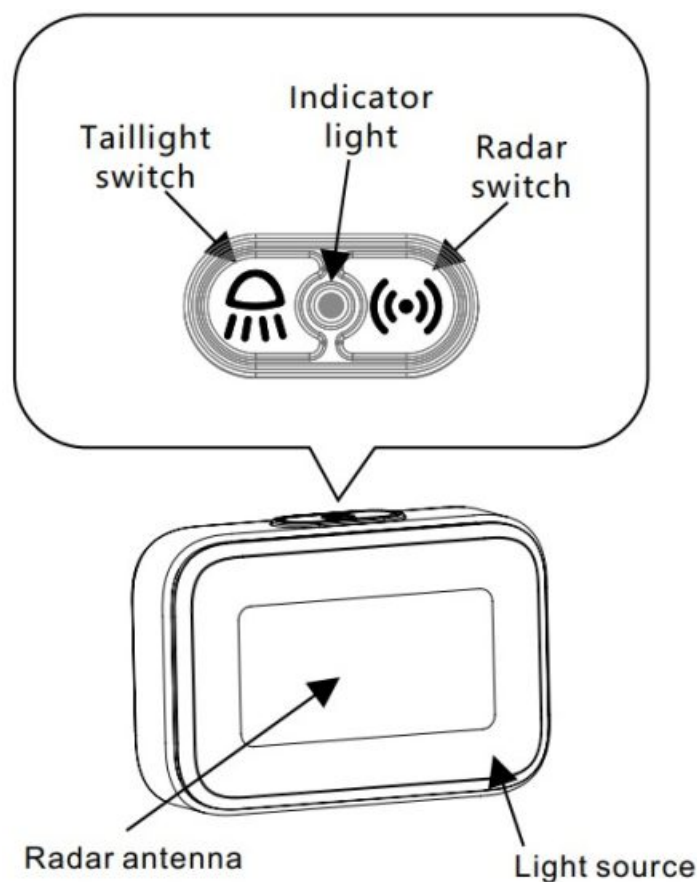
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PRODUCT INTRODUCTION:

Specifications:**MODEL:** RT02;**NAME:** Millimeter wave radar bicycle taillight;**LED:** COB light source;**BATTERY:** Polymer lithium battery;**USAGE TIME:** Constant:3H, Breathing:3H, Strobe: 3H,Slow strobe:6H;Warning:5H;**SIZE:** 62x42x24mm;**WEIGHT:** 54g;**MATERIAL:** 6063-T6 aluminum+PC;**RADAR ANTENNA:** 24GHz millimeter wave radar;**DETECTION RANGE:** 50M for cars and 20M for pedestrians.**FEATURE**

- Adopting high brightness COB light source, with high brightness and long lifespan;
- Built in high-quality polymer lithium battery, capable of charging up to 500 times;
- Using a 24GHz millimeter wave radar with sensitive response;
- Two stage alarm to ensure cycling safety;
- Compliant with IP64 protection level, able to adapt to various complex outdoor environments;
- Multiple modes and brightness options are available.

HOW TO USE**Taillight switch**

Lightly touch the taillight switch in OFF state: turn on the device, then lightly touch the switch again to cycle through five modes: constant -> strobe -> slow strobe -> breathing flash -> warning flash;

If the power on status exceeds 5 seconds and the taillight switch is lightly touched, it will shut down;

Long press the tail light switch in the power on state: turn off;

Radar switch:

Tap the radar switch to switch the radar function on and off;

Radar function prompt:

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

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

Note:

1. The tail light function and radar function are independent of each other and can work independently;
2. When the tail light battery is low, the radar function will be automatically turned off to ensure that the tail light can work properly.

Brake sensing function:

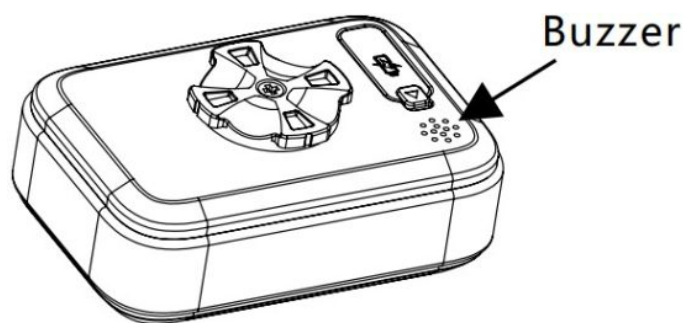
Whether the taillight function is turned on or the radar function is turned on, it will automatically enter the brake sensing function;

When a brake action is detected on the bicycle, the taillights will be highlighted for 3 seconds to alert pedestrians or vehicles behind;

Radar function:

When a vehicle is detected behind or entering the monitoring distance, the taillights will be highlighted for reminder, and the buzzer will emit a “beep” sound to alert the user;

When a vehicle is detected behind or entering a distance of 10 meters, the taillights will flash to remind the user, and the buzzer will emit two beeps to alert the user;

**How to turn on/off the buzzer:**

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

When the buzzer is turned on, it emits two beep sounds;

When the buzzer is turned off, it emits one beep sound.

Regarding automatic sleep mode:

When the product does not sense movement within 30s, it will automatically enter sleep mode, and the tail light function and radar function will be turned off. When vibration is detected, it will automatically exit sleep mode and return to the pre sleep state.

INDICATOR LIGHT DESCRIPTION:

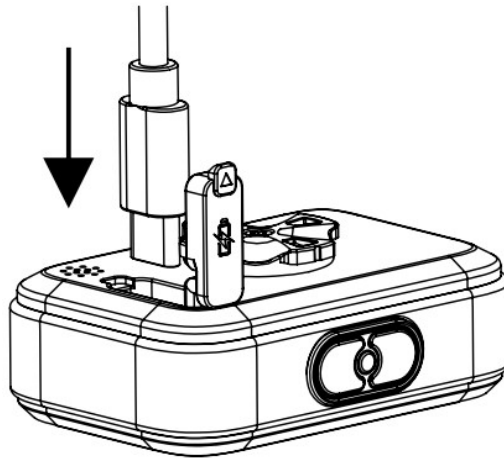
- When using the product:
 - Blue light on: radar sensing turned on;
 - Green light on: current battery level $\geq 10\%$;
 - Red light flashing: Current battery level $< 10\%$.
- When charging the product:

Red light flashing: current battery level<100%,

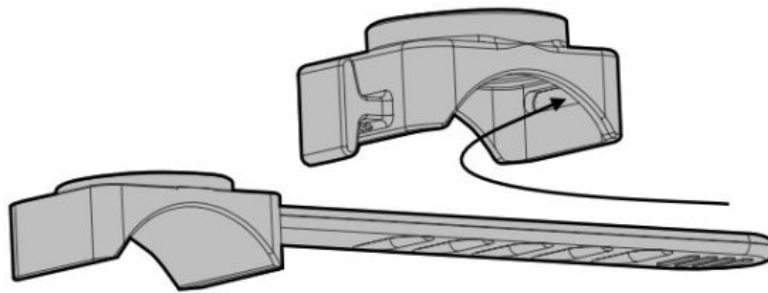
Green light on: current battery level=100%.

CHARGING INSTRUCTIONS:

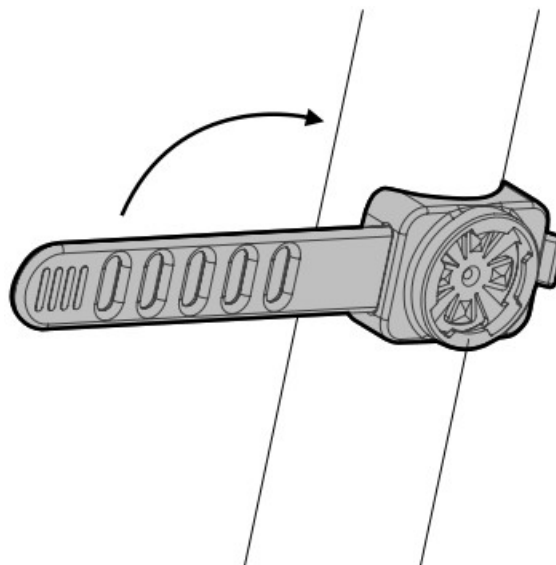
Open the waterproof charging plug on the back of the product, insert the TYPE-C plug of the charging cable into the charging hole, and plug the USB plug of the charging cable into any 5V USB charger (not standard);



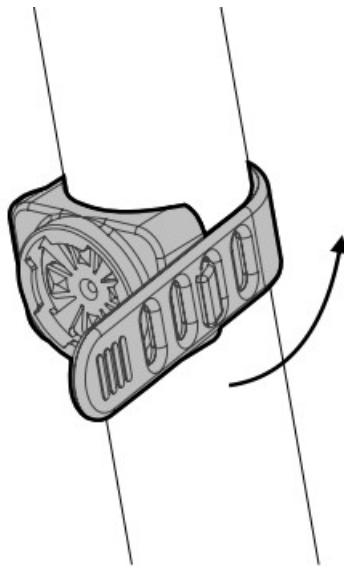
HOW TO INSTALL ON THE SEAT TUBE:



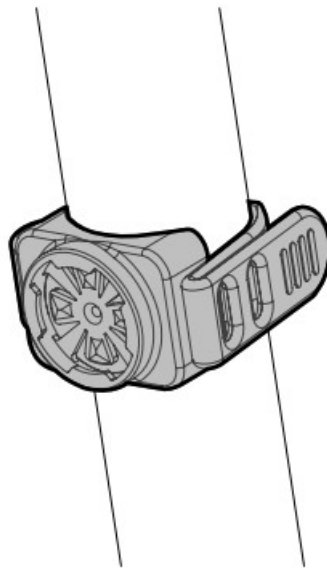
1. Insert the end of the silicone tape into the flat hole of the base;



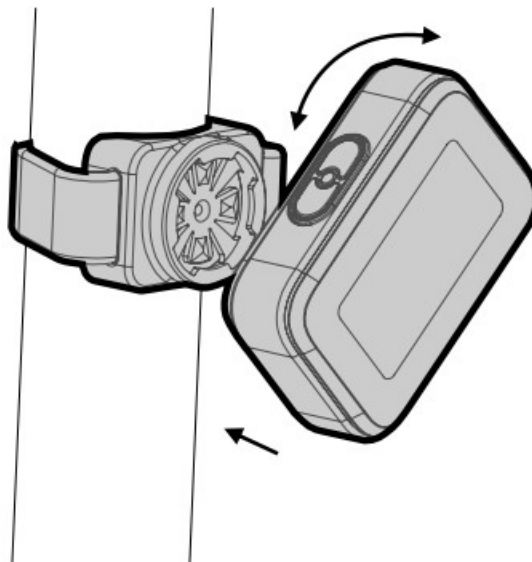
2. Place the base on the seat tube and wrap the silicone tape around the handlebar;



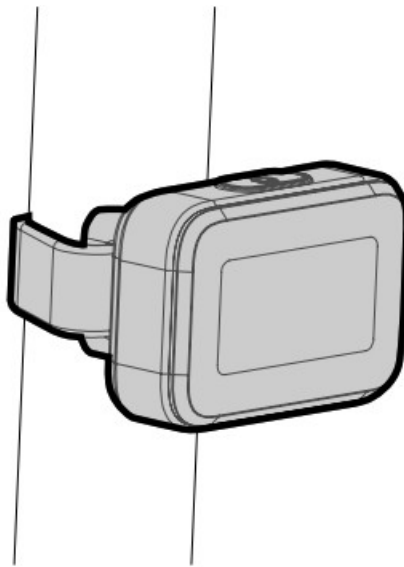
3. Insert the holes on the silicone tape into the base slot and bend the remaining silicone tape backwards;



4. Insert the other hole on the silicone tape into the base slot;

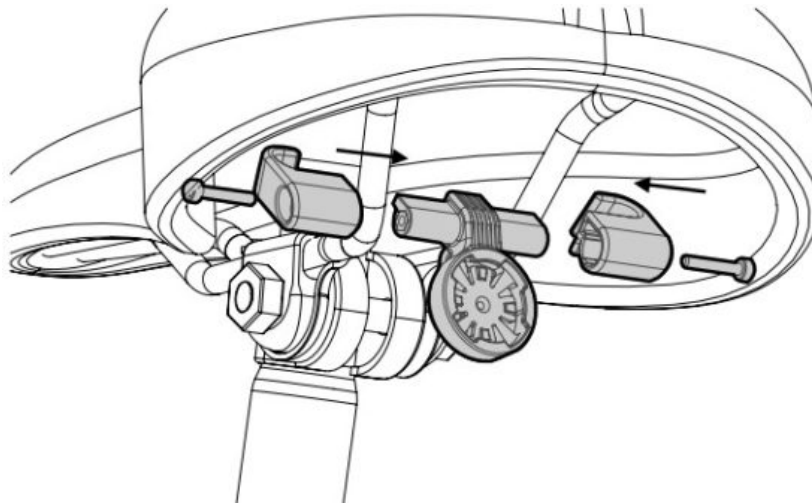


5. Align the protrusion at the bottom of the lamp head with the notch on the base, press it into the bottom, and rotate it 45 degrees;

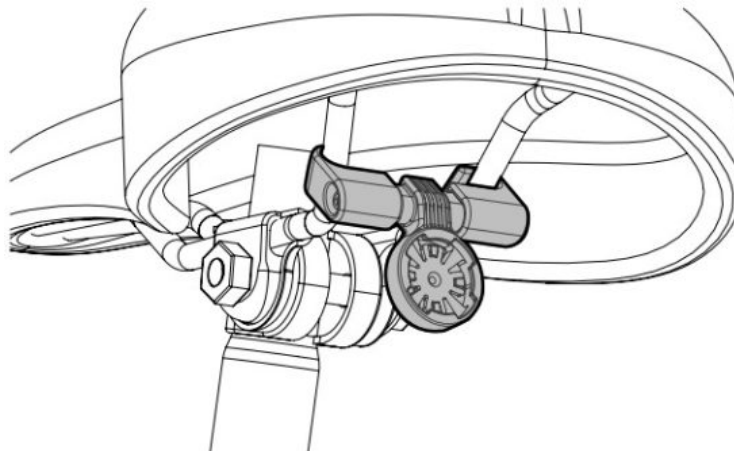


6. Installation completed.

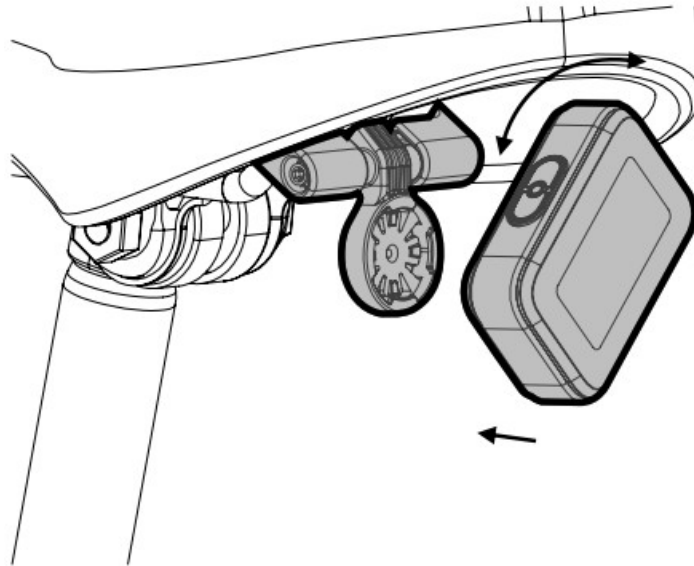
HOW TO INSTALL UNDER THE SEAT CUSHION:



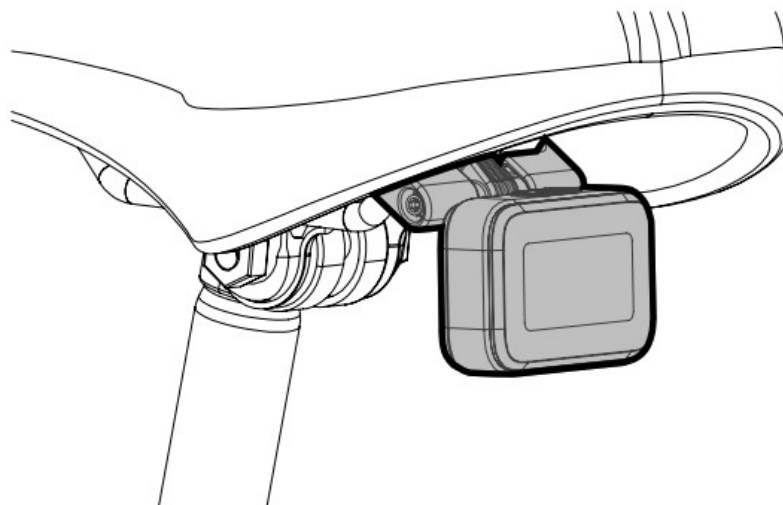
1. Secure the left and right fasteners of the lamp holder onto the base bow and insert the left and right screws;



2. After adjusting the position of the lamp holder, tighten the left and right screws;

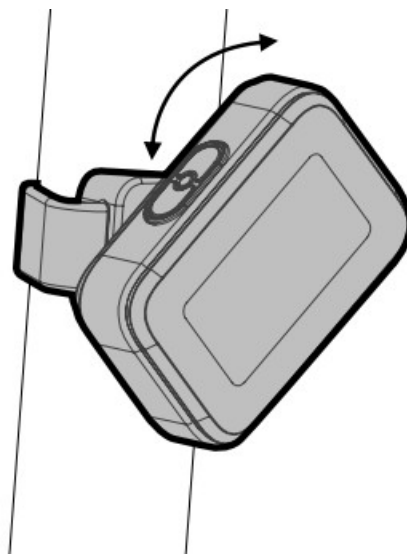


3. Align the protrusion at the bottom of the lamp holder with the notch on the lamp holder, press it into the bottom, and rotate it 45 degrees;

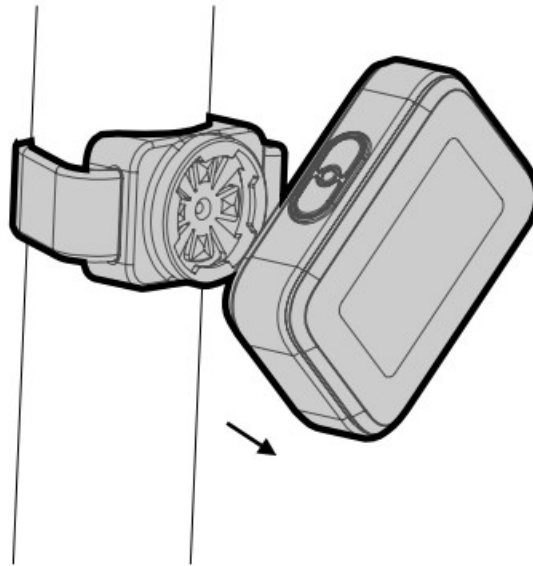


4. Installation completed.

DISASSEMBLY INSTRUCTIONS:



1. Rotate the lamp head 45 degrees;



2. Just take out the lamp head.

Catalogue and technical requirements for low-power short-range radio transmission equipment:

1. Specific terms: Class H equipment
Usage frequency: 24-24.25GHz
Usage scenario: On the street
Antenna type: patch antenna
Performance/Control: Uncontrollable and adjustable micro emissionpower; Instructions for adjusting and switching products: On/off, that is, on/off, micro power radio transmitter
2. Unauthorized changes to usage scenarios or conditions, expansion of transmission frequency range, and increase of transmission power are not allowed the transmission antenna shall not be changed without authorization, including the installation of additional RF power amplifiers.
3. It is not allowed to cause harmful interference to other legitimate radio stations, nor is it allowed to claim protection from harmful interference disturbance protection.
4. Industrial, scientific, and medical (ISM) application equipment that should withstand 10 interference from radiated radio frequency energy, or Interference from other legitimate radio stations.

MATTERS NEEDING ATTENTION:

1. This product is only suitable for IP64 protection level. Do not put this product into water or fire, and do not expose it to sunlight for a long time;
2. To ensure the accuracy of radar sensing, please do not have any obstructions in front of the radar antenna when installing this product;
3. Due to the high power consumption of the radar function, turning on the radar function will shorten the usage time of the taillights;
4. If you do not use this product for a long time, please fully charge it and store it properly, and charge it every three months;
5. Non professionals are prohibited from disassembling this product on their own.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.



Documents / Resources

	Geek RT02 Intelligent Radar Bicycle Taillight [pdf] User Manual 2BM9RRT02, RT02 Intelligent Radar Bicycle Taillight, RT02, Intelligent Radar Bicycle Taillight, Radar Bicycle Taillight, Bicycle Taillight, Taillight
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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