

## ROCKBROS 2420002001

# ROCKBROS Bike Taillight Smart Tag User Manual

Model: 2420002001

## 1. INTRODUCTION

---

Thank you for choosing the ROCKBROS Bike Taillight Smart Tag. This device is designed to enhance your cycling safety and provide additional security features. It integrates a powerful taillight with smart functionalities, including brake sensing, multiple light modes, and a built-in tracking locator compatible with iOS devices. Please read this manual carefully before use to ensure proper operation and maintenance.

## 2. PRODUCT LIST (WHAT'S IN THE BOX)

---

Before installation, please verify that all components are present:

- ROCKBROS Bike Taillight Smart Tag
- Type-C charging cable
- M5 nut
- Screw
- Seat cushion bracket
- Wrench
- Rubber rings for seat post mounting

# PRODUCT LIST



Image: All components included in the product package, including the taillight, charging cable, mounting brackets, and tools.

## 3. SETUP AND INSTALLATION

The taillight offers dual mounting options: under the seat (saddle bow) or on the seat post.

### 3.1. Seat Post Mounting

1. Attach the seat post bracket to your bicycle's seat post using the provided rubber rings. Ensure a snug fit.
2. Slide the taillight onto the bracket until it clicks into place.
3. Adjust the angle of the taillight as desired.



Image: Step-by-step guide for installing the taillight on a bicycle's seat post using elastic rubber rings.

### 3.2. Under-Seat (Saddle Bow) Mounting

1. Secure the seat cushion bracket to the saddle rails using the M5 nut and screw with the provided wrench.
2. Slide the taillight onto the bracket until it locks securely.
3. Adjust the angle of the taillight for optimal visibility.



Image: Detailed instructions for attaching the taillight to the saddle rails using the seat cushion bracket.

### 3.3. Adjustable Angle

The taillight features an adjustable angle mechanism, allowing you to tilt it up or down to suit your riding position and ensure maximum visibility.



Image: The taillight mounted under a seat, demonstrating its adjustable angle capability with arrows indicating movement.

## 4. OPERATING INSTRUCTIONS

---

### 4.1. Power On/Off and Mode Selection

Press and hold the power button to turn the taillight on or off. Short press the button to cycle through the 6 available light modes. The device includes a memory function, retaining the last used mode upon restart.

### 4.2. Light Modes and Brightness

The taillight offers 6 distinct light modes and 2 brightness levels. To switch between high and low brightness, press the button when the taillight is off.

- **Ring Steady:** 11-15 hours runtime
- **Center Steady:** 26-35 hours runtime
- **Center Slow Flash:** 12-14 hours runtime
- **Ring Fast Flash:** 11-13 hours runtime
- **Breathing Mode:** 27-29 hours runtime
- **Center Fast Flash:** 42-45 hours runtime

**6 MODES**  
**&**  
**2 LIGHTNESS**

When the taillight is turned off, press the button to select high, or low brightness.

|  |                   |        |
|--|-------------------|--------|
|  | Ring Steady       | 11-15h |
|  | Center Steady     | 26-35h |
|  | Center Slow Flash | 12-14h |
|  | Ring Fast Flash   | 11-13h |
|  | Breathing Mode    | 27-29h |
|  | Center Fast Flash | 42-45h |

**Low light**                      **High light**

Image: Displays the six distinct lighting modes with their approximate runtimes and illustrates the difference between low and high brightness settings.

### 4.3. Smart Brake Sensing

The taillight is equipped with a smart brake sensor. When deceleration is detected, the light will automatically brighten and flash rapidly for approximately 3 seconds to alert vehicles and pedestrians behind you.

# INTELLIGENT BRAKE SENSING

When braking or slowing down, the taillights will automatically illuminate for 3s to warn pedestrians and vehicles.

3s



Image: A visual explanation of how the taillight's intelligent brake sensing works, showing increased brightness upon deceleration.

## Turning Brake Sensor On/Off:

- **To Disable:** Rotate the light upward and hold for 1 second.
- **To Enable:** Rotate the light in the opposite direction and hold for 1 second. When enabled, the light will stay bright if tilted.



Image: Visual guide demonstrating how to turn the brake sensor on and off by rotating the taillight.

## 4.4. Built-in Tracking Locator

The taillight features an integrated tracking locator, compatible with iOS devices. This allows you to monitor your bike's location in real-time via a connected app, aiding in theft prevention and tracking during rides or when parked. Follow the instructions provided with your iOS device for pairing and tracking setup.

## 5. CHARGING AND BATTERY

---

The taillight is powered by a 420mAh battery and charges via a Type-C port. A full charge typically takes approximately 2 hours.

### 5.1. Charging Indication

- **Red Light:** Indicates the device is currently charging.
- **Green Light:** Indicates the device is fully charged.

### 5.2. Power Status Indication

The remaining battery power is indicated by different light colors:

- **Green Light:** Battery level > 70%
- **Blue Light:** Battery level 30% - 70%
- **Red Light:** Battery level < 30%



Image: Illustrates the Type-C charging port, the 420mAh battery capacity, and the color-coded battery level display (Green for >70%, Blue for 30-70%, Red for <30%).

## 6. MAINTENANCE

- **Cleaning:** Wipe the taillight with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- **Water Resistance:** The device is rated IPX5 waterproof. Ensure the Type-C charging port's dust plug is firmly inserted to maintain water resistance, especially before riding in wet conditions.
- **Heat Dissipation:** The aluminum alloy shell is designed for efficient heat dissipation. Ensure the light is not covered during operation to prevent overheating.
- **Storage:** Store the taillight in a cool, dry place when not in use. If storing for extended periods, charge the battery to approximately 50% to prolong its lifespan.

# IPX5

WATERPROOF



Note:  
Press dust plug firmly  
into charging port



LED Light  
Beads



Memory  
Mode



Brake  
Sensing



Auto  
on/off



6+2 Light  
Modes



TYPE-C  
Charging

Image: Highlights the IPX5 waterproof rating of the taillight, emphasizing the importance of securing the charging port dust plug.

## 7. TROUBLESHOOTING

- **Light not turning on:** Ensure the battery is charged. Connect the taillight to a power source using the Type-C cable.
- **Brake sensing not working:** Verify that the brake sensor is enabled (refer to section 4.3). Ensure the taillight is mounted securely and not obstructed.
- **Tracking locator not connecting to iOS:** Ensure Bluetooth is enabled on your iOS device. Follow the specific pairing instructions for the tracking feature. If issues persist, try resetting the taillight or consulting your iOS device's support resources.
- **Short battery life:** Ensure the taillight is fully charged before use. Operating in high brightness or certain flash modes will consume battery faster. Check for any background processes if the tracking feature is constantly active.
- **Light appears dim:** The light has two brightness levels. Ensure you have selected the desired brightness level (refer to section 4.2).

## 8. SPECIFICATIONS

|                                 |                              |
|---------------------------------|------------------------------|
| <b>Brand</b>                    | ROCKBROS                     |
| <b>Model Number</b>             | 2420002001                   |
| <b>Material</b>                 | Aluminum                     |
| <b>Color</b>                    | Black                        |
| <b>Power Source</b>             | Battery Powered (420mAh)     |
| <b>Charging Port</b>            | Type-C                       |
| <b>Water Resistance Level</b>   | IPX5 (Waterproof)            |
| <b>Number of Light Settings</b> | 6 Modes, 2 Brightness Levels |
| <b>Mounting Type</b>            | Seat Mount & Seatpost Mount  |

## 9. WARRANTY AND SUPPORT

---

### 9.1. Warranty Information

This ROCKBROS Bike Taillight Smart Tag comes with a **2-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear. Please retain your proof of purchase for warranty claims.

### 9.2. Customer Support

For technical assistance, warranty claims, or any questions regarding your ROCKBROS product, please visit the official ROCKBROS store or contact their customer service. You can find more information and contact details at the [ROCKBROS Store on Amazon](#).