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RAVEMEN CL01

RAVEMEN CL01 Bicycle Tail Light User Manual

Model: CL01 | Brand: RAVEMEN

1. Introduction

Thank you for choosing the RAVEMEN CL01 Bicycle Tail Light. This manual provides essential information for the safe and efficient operation of your device. The CL01 is designed to enhance your visibility and safety during cycling, featuring a wide-angle beam, intelligent brake detection, and convenient automatic functions.



Image 1.1: The RAVEMEN CL01 Bicycle Tail Light, a compact black unit with a red LED strip, shown from the front.

2. What's in the Box

Please check the package contents upon unboxing:

- 1 x CL01 Bicycle Tail Light
- 1 x ABM18 Saddle Rail Mount

- 1 x ABM14 Seatpost Mount
- 1 x USB-C Charging Cable
- 1 x User Manual



Image 2.1: All components included in the RAVEMEN CL01 package: the tail light, two mounting brackets, a USB-C cable, and the user manual, laid out next to the product box.

3. Setup and Installation

The CL01 offers two mounting options for versatile placement on your bicycle.

3.1 Mounting Options



Image 3.1: Comparison of the two mounting options: under the saddle rail and on the seatpost. Dimensions for saddle rail compatibility are shown.

3.2 Saddle Rail Mount (ABM18)

1. Ensure your saddle rails have sufficient clearance (refer to Image 3.1 for dimensions).
2. Attach the ABM18 mount to the saddle rails using the provided zip ties or screws.
3. Slide the CL01 light onto the mount until it clicks securely into place.



Image 3.2: A four-step visual guide demonstrating how to install the CL01 tail light using the saddle rail mount.

3.3 Seatpost Mount (ABM14)

1. Wrap the ABM14 mount around your bicycle's seatpost.
2. Secure the mount tightly using the integrated strap.
3. Slide the CL01 light onto the mount until it clicks securely into place.



Image 3.3: A four-step visual guide demonstrating how to install the CL01 tail light using the seatpost mount.

4. Operating Instructions

4.1 Power On/Off

- **To Turn On:** Press and hold the power button for approximately 1 second.
- **To Turn Off:** Press and hold the power button for approximately 1 second.

4.2 Mode Switching

With the light on, short press the power button to cycle through the 5 available lighting modes:

- **High:** 5 Lumens, approx. 5 hours runtime
- **Low:** 2 Lumens, approx. 10 hours runtime
- **Warning Flash:** 30 Lumens, approx. 9.5 hours runtime

- **Rapid Flash:** 5 Lumens, approx. 11 hours runtime
- **Slow Flash:** 0.5 Lumens, approx. 45 hours runtime



Image 4.1: Visual representation of the 5 lighting modes with their respective lumen output and battery life.

4.3 Automatic On/Off

When this mode is active, the light will automatically turn on when motion is detected and turn off after two minutes of inactivity to conserve battery.



Image 4.2: Illustration of the automatic on/off feature, showing the light turning off after 2 minutes of inactivity and reactivating with vibration.

4.4 Brake Detection

The CL01 features an intelligent brake detection system. When deceleration is detected, the light will automatically increase its brightness for 2 seconds to alert following traffic. **Note:** This brake detection mode does not function in the 'Slow Flash' mode.



Image 4.3: A cyclist demonstrating the brake detection feature, where the tail light brightens significantly for 2 seconds upon braking.

4.5 Battery Level Indicator

When the light is off, a single short press of the power button will display the current battery level:

- **Green Light:** Battery level > 40%
- **Red Light:** Battery level 5% - 40%
- **Flashing Red Light:** Battery level < 5%, recharge soon



Image 4.4: A hand holding the compact CL01 light, with an inset showing the power button indicating battery status via color.

5. Charging

The CL01 is equipped with a USB-C charging port for convenient recharging.

- Locate the USB-C charging port on the device.
- Connect the provided USB-C cable to the light and plug the other end into a USB power source (e.g., computer, wall

adapter).

- The indicator light will show charging status (typically red while charging, green when fully charged).
- Ensure the charging port cover is securely closed after charging to maintain IPX6 water resistance.



Image 5.1: The CL01 tail light connected to a USB-C charging cable, illustrating the charging process.

6. Maintenance

- **Cleaning:** Wipe the light with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Water Resistance:** Always ensure the USB-C charging port cover is firmly closed to maintain the IPX6 water resistance rating.
- **Storage:** Store the light in a cool, dry place when not in use. If storing for extended periods, charge the battery every 3-6 months to prolong its lifespan.

7. Troubleshooting

- **Light not turning on:** Check the battery level and recharge if necessary. Ensure the power button is pressed and held for the required duration.
- **Brake detection or Auto On/Off not working:** These functions can be toggled on/off. With the light turned OFF, press and hold the power button for 5 seconds. This action will alternately activate or deactivate both the brake detection and automatic on/off functions simultaneously.
- **Light not holding charge:** Ensure the charging cable is properly connected and the power source is functional. If issues persist, contact customer support.

8. Specifications

Model	CL01
Brand	RAVEMEN
Max Light Output	30 Lumens
Beam Angle	300° Wide-Angle
Lighting Modes	5

Power Source	Rechargeable Battery
Charging Port	USB-C
Water Resistance	IPX6
Material	Plastic
Mounting Type	Saddle Rail, Seatpost
Color	Black
Country of Origin	China

9. Warranty and Support

The RAVEMEN CL01 Bicycle Tail Light comes with a**2-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or further assistance, please visit the official RAVEMEN store or contact their customer service through the retailer where you purchased the product.

Official RAVEMEN Store: RAVEMEN Official Store

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