LAOPAO Q5

LAOPAO Q5 Smart Bicycle Tail Light User Manual

1. Product Overview

The LAOPAO Q5 Smart Bicycle Tail Light is designed to enhance cycling safety with advanced features. It incorporates a smart chip for automatic functions, durable construction, and multiple lighting modes to suit various riding conditions.



Image: LAOPAO Q5 Smart Bicycle Tail Light highlighting its key features like Type-C charging, long operating time, alloy material, IPX65 waterproof rating, fixed frame, easy installation, and compact size (40*25*42.5mm, 55g).

2. Safety Information

Please read this manual carefully before use. Ensure the tail light is securely mounted and fully charged before each ride. Do not look directly into the light when it is on, as it may cause temporary vision impairment. Always adhere to local traffic laws and regulations regarding bicycle lighting.

Heat Warning: Due to the high thermal conductivity of the metal casing, the device may become warm during operation. In hot weather or direct sunlight, it is recommended to park your bicycle in a shaded area or remove the lamp head after parking to prevent potential battery damage from prolonged high temperatures.

3. Package Contents

- LAOPAO Q5 Smart Bicycle Tail Light
- Mounting Bracket (for seat post or saddle rail)
- USB Type-C Charging Cable
- User Manual (Japanese version mentioned in product data, English version provided here)

4. Installation

The LAOPAO Q5 offers two primary installation methods:

1. **Seat Post Mounting:** Attach the provided bracket to your bicycle's seat post using the strap. Ensure the light is facing backward and securely fastened.
2. **Saddle Rail Mounting:** For saddles with an optimal width of approximately 38±2mm, the light can be mounted directly to the saddle rails using the appropriate bracket.

Ensure the light is firmly attached and does not obstruct any moving parts of the bicycle.

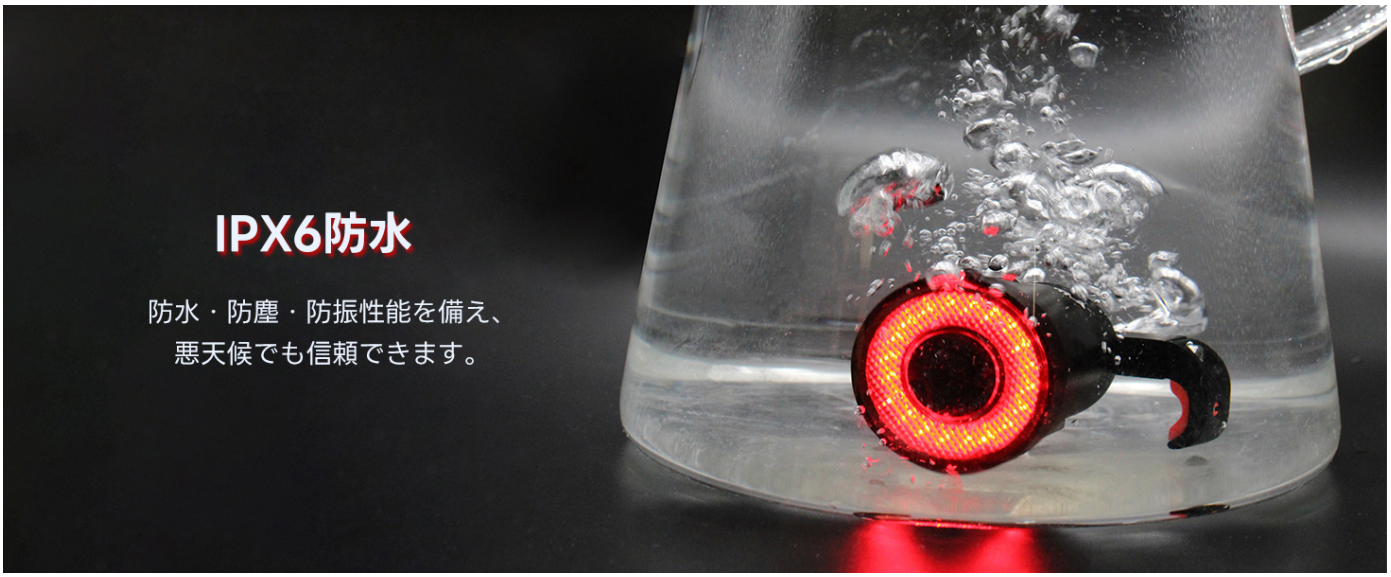


Image: Demonstrates the two installation methods: seat post mounting and saddle rail mounting. The light is shown attached to a bicycle seat post and under a bicycle saddle.

5. Operation

The LAOPAO Q5 features a single button for control and smart sensors for automatic functions.

Power On/Off

- **To Power On:** Press and hold the button for approximately 2 seconds.
- **To Power Off:** Press and hold the button for approximately 2 seconds.

Mode Switching

Once powered on, short press the button to cycle through the available lighting modes. The light will automatically remember the last used mode when turned off.

Smart On/Off (Automatic Mode)

The smart chip detects ambient light and vibration:

- **Automatic Illumination:** In low light conditions (e.g., dusk or night), the light will automatically turn on.
- **Automatic Shut-off:** If the bicycle remains stationary for 30 seconds, the light will automatically turn off to conserve battery. It will turn back on when motion is detected.

Image: Illustrates the light sensor and vibration sensor functionality. The light automatically turns on in dark conditions and turns off after 30 seconds of no movement, then reactivates with motion.

6. Charging and Battery

The LAOPAO Q5 is equipped with a 400mAh rechargeable lithium battery and supports Type-C charging.

- **Charging:** Connect the provided USB Type-C cable to the charging port on the light and a power source.
- **Battery Indicator:** Four blue indicator lights display the remaining battery level in real-time.



Image: Shows the Type-C charging port and a diagram explaining the four blue indicator lights for battery status (100%-75%, 75%-50%, 50%-25%, 25%-0%).

7. Modes and Functions

The light features 22 high-brightness COB red LEDs for 360-degree wide illumination, visible from over 100 meters. A reflector ensures visibility even when the LEDs are off.

Lighting Modes

The LAOPAO Q5 offers four distinct lighting modes:

Mode	Approx. Operating Time	Daytime Behavior	Nighttime Behavior
Rapid (Smart Mode)	50 hours	Brake light for 3 seconds	Flashing + Brake Warning + Vibration Sensor (30s)
Breathing Flash (Smart Mode)	40 hours	Brake light for 3 seconds	Flashing + Brake Warning + Vibration Sensor (30s)
Steady (Non-Smart Mode)	20 hours	Steady + Brake Warning	Steady + Brake Warning

Mode	Approx. Operating Time	Daytime Behavior	Nighttime Behavior
High-Speed Flash (Non-Smart Mode)	80 hours	Flashing + Brake Warning	Flashing + Brake Warning



Image: Displays three different brightness levels of the tail light and a table detailing the four lighting modes, their approximate operating times, and behavior during day and night.

Brake Warning Function

The smart chip detects braking and automatically illuminates the light at maximum brightness for 3 seconds, alerting vehicles behind you.



Image: A cyclist on a road, demonstrating the brake warning function where the tail light illuminates brightly when braking, alerting other road users.

8. Water Resistance

The LAOPAO Q5 is constructed from high-density aluminum alloy and features an IPX65 waterproof rating, making it suitable for use in rainy conditions. Its lightweight and shock-resistant design ensures durability.



Image: The LAOPAO Q5 tail light is shown partially submerged in water, with bubbles indicating its IPX6 waterproof performance, ensuring reliability in adverse weather.

9. Maintenance

- Clean the light regularly with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the Type-C charging port cover is securely closed when not charging to maintain water resistance.
- Store the light in a cool, dry place when not in use for extended periods.
- Charge the battery at least once every three months to prolong its lifespan.

10. Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on.	Low battery or power button not pressed correctly.	Charge the light fully. Press and hold the power button for 2 seconds.
Light turns off unexpectedly.	Low battery or 30-second inactivity in smart mode.	Charge the light. If in smart mode, movement will reactivate it.
Brake warning not activating.	Insufficient deceleration or sensor malfunction.	Ensure the light is firmly mounted. Test with a clear braking motion. If issue persists, contact support.
Light not changing modes.	Button not pressed correctly.	Short press the button firmly to cycle modes.

11. Specifications

Brand: LAOPAO

Model: Q5

Color: Red

Material: Aluminum Alloy

Power Source: USB Rechargeable (Type-C)

Battery Capacity: 400mAh Lithium Battery

Item Weight: 55 grams

Mounting Type: Seat Mount (Seat Post or Saddle Rail)

International Protection Rating: IPX65

Light Source: 22 COB Red LEDs

Visibility: >100 meters

Operating Modes: Rapid, Breathing Flash, Steady, High-Speed Flash (with smart and non-smart options)

12. Warranty and Support

The LAOPAO Q5 Smart Bicycle Tail Light comes with a one-year manufacturer's warranty. In case of initial defects, a free exchange is available within one month of purchase.
For any questions, concerns, or warranty claims, please contact LAOPAO customer support through your retailer or the official LAOPAO website. Please have your purchase information and product model number (Q5) ready when contacting support.

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