

Magene L308

Magene L308 Smart Tail Light User Manual

INTRODUCTION

The Magene L308 Smart Tail Light is designed to enhance cycling safety and personalization. Featuring 96 COB LED lights, it offers extensive customization options through the OnelapFit APP, including patterns, scrolling messages, and GIFs. Equipped with a smart braking sensor, auto-sleep, and auto-wake functions, this lightweight and waterproof tail light provides a reliable and interactive experience for cyclists.

WHAT'S IN THE BOX

Depending on your chosen mounting option (Saddle or Seatpost), your package will contain the following items:

- **L308 Tail Light:** 1 unit
- **Mounting Bracket:** 1 unit (either saddle bracket or seat post bracket with pad)
- **Allen Wrench:** 1 unit (for saddle mount version)
- **Rubber Straps:** 2 units (for seat post mount version)
- **User Manual:** 1 unit

SETUP

1. Charging the Device

Before first use, fully charge the L308 tail light. Connect the provided Type-C charging cable (not included in the package) to the charging port on the device and a suitable USB power source. The light will display the real-time battery level during charging. A full charge to 80% typically takes 1.5 hours.



Lightweight design

Only 23g allowing you to ride with ease

Type-C charging port

Charges to 80% in 1.5 hours



IPX6 Waterproof

No worry to ride on rainy days

Image: The L308 tail light highlighting its Type-C charging port and IPX6 waterproof design.

2. Mounting the Tail Light

Choose the appropriate mounting method based on your product version (Saddle or Seatpost).

- **Saddle Mount:** Attach the saddle bracket to your bicycle saddle rails using the provided Allen wrench. Secure the L308 tail light onto the bracket.
- **Seatpost Mount:** Use the rubber straps to secure the seat post bracket to your bicycle's seatpost. Ensure the bracket is firmly attached before sliding the L308 tail light into place.



Emoji Memory

Auto-display the last emoji when the next time you turn on.

Two Mounting Options

Choose the corresponding version in terms of your needs.



Image: Visual representation of the two available mounting options: seatpost and saddle.

3. Connecting to OnlapFit APP

Download the OnlapFit APP from your device's app store. Open the app and follow the on-screen instructions to connect your L308 tail light via Bluetooth. This app allows for customization of light patterns and settings.

Video: Magene L308 Tail Light Installation and Operation Guide. This video demonstrates the physical installation and basic operation of the tail light.

OPERATING INSTRUCTIONS

1. Power On/Off

Press and hold the single button on the tail light to power it on or off.

2. Switching Emojis/Patterns

Once powered on, a single press of the button will cycle through the stored emojis or patterns. The L308 supports up to 15 stored emojis, including 6 pre-set options.



Image: The L308 tail light showcasing different customizable emojis and patterns.

3. Customizing Expressions via OnelapFit APP

The OnelapFit APP allows for extensive customization of the tail light's display. You can create and store up to 15 unique expressions.

- **Pattern Mode:** Draw custom static patterns. You can set three lighting modes: solid, flash, and pulse.
- **Scrolling Message Mode:** Create scrolling text messages.
- **GIF Mode:** Design dynamic animations with up to 10 frames.



Image: The OnelapFit app displaying options for creating custom light styles, including patterns, scrolling messages, and GIFs.

Video: The Creative Workshop for the L308 tail light. This video demonstrates how to use the OnelapFit app to create custom light patterns and expressions.

4. Smart Braking Sensor

The integrated high-precision acceleration sensor detects braking. Upon detection, the tail light enters a 3-second high-intensity flashing mode to alert vehicles and pedestrians behind you, enhancing safety.

Smart Braking Sensor

Safety, Fun,
Both Combined

Even a slight brake can trigger a 3-second high-intensity flashing mode, effectively alerting rear vehicles, pedestrians, or other riders

Image: The L308 tail light on a bike, demonstrating its smart braking sensor functionality.

5. Auto-Sleep & Auto-Wake

The tail light supports vibration sensing. If stationary for a user-definable period (1 to 10 minutes, adjustable in the OnelapFit APP), it will automatically enter sleep mode to conserve battery. It will automatically wake up when movement is detected. This function can be disabled via the OnelapFit APP.

Auto-Sleep Auto-wake No Battery Anxiety

Automatically enter sleep mode if it's stationary for 1 to 10 minutes (can be set freely) and automatically wake up when start moving



Image: The OnelapFit app interface showing the Auto-Sleep Mode settings for the L308 tail light.

6. Real-time Battery Display

Double-click the button on the tail light to view the current battery level for 3 seconds. The battery level is also displayed during charging.

7. Emoji Memory

The L308 tail light automatically remembers and displays the last used emoji or pattern when powered on again.

MAINTENANCE

1. Waterproofing

The L308 tail light features an IPX6 waterproof rating, making it resistant to strong jets of water. This allows for use in rainy conditions without concern. However, it is not designed for submersion.

2. Cleaning

Wipe the tail light with a soft, damp cloth to remove dirt and debris. Avoid using abrasive cleaners or solvents that could damage the device.

3. Storage

When not in use for extended periods, store the tail light in a cool, dry place. Ensure it is fully charged before storing to prolong battery life.

TROUBLESHOOTING

- **Light does not turn on:** Ensure the device is charged. Press and hold the power button for a few seconds to activate.
- **Cannot connect to OnelapFit APP:** Ensure Bluetooth is enabled on your smartphone and the tail light is powered on. Try restarting both the app and the tail light.
- **Custom patterns not saving/displaying:** Verify that the patterns were successfully saved and synced through the OnelapFit APP. Ensure the app is updated to the latest version.
- **Battery life is shorter than expected:** Battery life can be affected by custom settings (e.g., brightness, animation complexity) and usage environment. Ensure the auto-sleep function is enabled if desired.
- **Smart braking sensor not responding:** Ensure the tail light is securely mounted and not obstructed. Check for any debris that might interfere with the sensor.

SPECIFICATIONS

| | |
|-------------------------------|---|
| Brand | Magene |
| Model Number | L308 |
| Light Type | Tail Light (96 COB LED) |
| Material | Plastic |
| Power Source | Battery Powered |
| Water Resistance Level | IPX6 Waterproof |
| Item Weight | 23 Grams |
| Charging Port | Type-C |
| Charging Time (80%) | 1.5 hours |
| Max Battery Life | Up to 50 hours (varies with settings and usage) |

WARRANTY AND SUPPORT

Warranty Information

The Magene L308 Smart Tail Light comes with a 1-year manufacturer's warranty from the date of purchase. 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.

Customer Support

For technical assistance, warranty claims, or any questions regarding your Magene L308 Smart Tail Light, please contact Magene customer support. Refer to the contact information provided in your product packaging or visit the official Magene website for support details.

