## Cygolite HY-250-USB

# Cygolite Hypershot 250 Lumen Bicycle Taillight User Manual

**Model: HY-250-USB**

**Brand: Cygolite**

## Introduction

Thank you for choosing the Cygolite Hypershot 250 Lumen Bicycle Taillight. This manual provides essential information for the proper setup, operation, and maintenance of your new taillight. Designed for optimal visibility and durability, the Hypershot 250 features 7 night and daytime modes, user-tunable flash speeds, and a robust, water-resistant design.

Key features include:

- Extremely bright 250 lumen output for day and night visibility.
- 7 distinct lighting modes: Steady, Zoom, SteadyPulse, Bzzz Flash, Triple Flash, DayLightningFlash, Random Flash.
- User-tunable flash speeds for enhanced motorist awareness.
- IP64 water-resistant rating for reliable performance in various weather conditions.
- Secure hard mounts for seat post and seat stay.
- Convenient USB rechargeable design with low battery indicator.

## What's Included

Your Cygolite Hypershot 250 package includes the following components:

- Hypershot 250 Bicycle Tail Light
- Seatpost Mount
- Seatstay Mount
- Micro USB charging cable (2 feet length)




Figure 1: Contents of the Cygolite Hypershot 250 package, showing the taillight, two mounting options, and the charging cable.

## Setup

### Mounting the Taillight

The Hypershot 250 comes with two secure hard mounts: a seatpost mount and a seatstay mount. Choose the mount that best suits your bicycle's frame and your visibility preference.

1. **Select Mount:** Choose between the seatpost mount (fits up to 32mm diameter seatposts) or the seatstay mount (fits up to 20mm diameter seatstays).
2. **Attach Mount:** Securely attach the chosen mount to your bicycle using the provided hardware. Ensure it is tightened sufficiently to prevent movement during rides.
3. **Attach Taillight:** Slide the Hypershot 250 taillight onto the mount until it clicks securely into place. The integrated clip also allows for easy attachment to bags or clothing.




Figure 2: Various mounting options for the Hypershot 250, including seatpost, seatstay, and backpack clip.

## Charging the Taillight

The Hypershot 250 is USB rechargeable. Before first use, fully charge the device.

1. **Locate Charging Port:** The Micro USB charging port is located on the side of the taillight, protected by a rubber cover.
2. **Connect Cable:** Gently open the rubber cover and insert the Micro USB charging cable into the port. Connect the other end to a USB power source (e.g., computer, USB wall adapter).
3. **Charging Indicator:** The light will indicate charging status (refer to the device's specific indicator behavior, typically a solid light or changing color).
4. **Full Charge:** Once fully charged, disconnect the cable and ensure the rubber cover is securely closed to maintain water resistance.




CYCLELITE
HAMMERSHOT

Figure 3: The Cygolite Hypershot 250 taillight, ready for charging and operation.

## Operating Instructions

### Controls

The Hypershot 250 features a simple two-button control system:

- **Left Button:** Used to turn the light On/Off and to select different lighting modes.
- **Right Button:** Used to adjust flash speed and brightness within certain modes.

Copyright © Cygolite. All rights reserved.




Figure 4: Control buttons and their functions on the Hypershot 250.

### Lighting Modes and Run Times

The Hypershot 250 offers 7 versatile lighting modes for various riding conditions. Run times may vary based on mode and flash speed adjustments.

**Table 1: Modes and Approximate Run Times (Hypershot 250)**

| Mode | Run Time (Hours) |
|---|---|
| 1) Steady | 2 to 200 hr |
| 2) Zoom | 3 to 7 hr |
| 3) SteadyPulse® | 6 to 12 hr |
| 4) Bzzz Flash™ | 7 to 90 hr |
| 5) Triple Flash | 34 to 100 hr |
| 6) DayLightning® Flash | 8 to 43 hr |
| 7) Random Flash | 6 to 34 hr |




Figure 5: Visual representation of the various lighting modes and their approximate run times.

### Low Battery Indicator

The Hypershot 250 is equipped with a low battery indicator. When the battery level is low, the light will flicker briefly when turning off, signaling that it's time to recharge.

## Maintenance

Proper maintenance ensures the longevity and optimal performance of your taillight.

- **Cleaning:** Wipe the taillight with a soft, damp cloth to remove dirt and debris. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the taillight in a cool, dry place when not in use. For long-term storage, ensure the battery is partially charged (around 50%) to preserve battery health.
- **Water Resistance:** The Hypershot 250 is IP64 water-resistant, meaning it is protected from dust and splashing water from any direction. While designed to withstand rain and splashes, it is not intended for submersion. Always

ensure the USB port cover is securely closed.

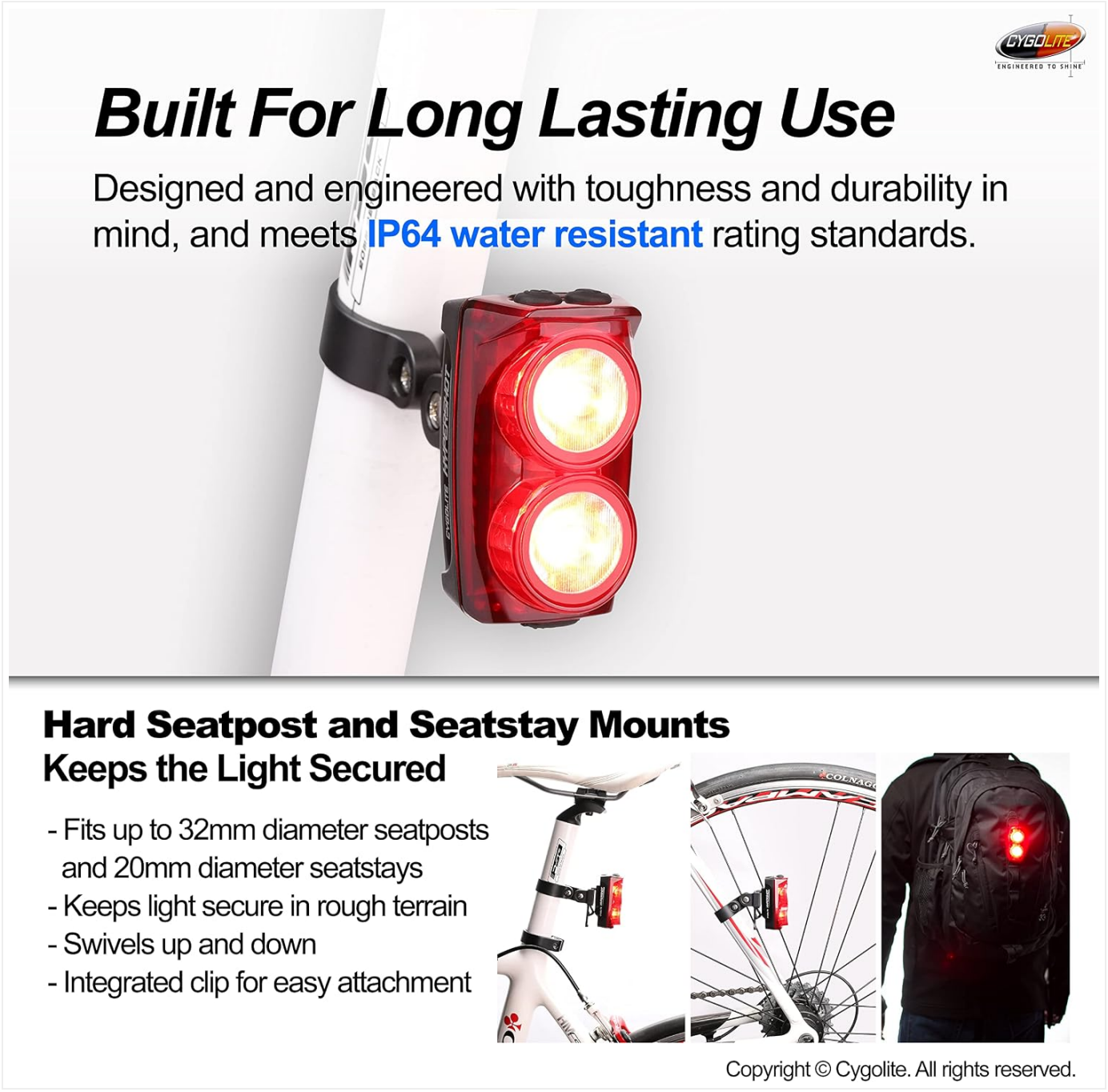



Figure 6: The Hypershot 250 is built for long-lasting use, featuring an IP64 water-resistant body.

## Troubleshooting

If you encounter issues with your Hypershot 250, please refer to the following common solutions:

- **Light Not Turning On:** Ensure the battery is charged. Connect the taillight to a USB power source and allow it to charge for at least 30 minutes before attempting to turn it on again.
- **Light Not Charging:** Verify that the USB cable is properly connected to both the taillight and the power source. Try a different USB cable or power adapter. Ensure the charging port is clean and free of debris.
- **Dim Light Output:** A dim light often indicates a low battery. Recharge the taillight fully. If the issue persists after a full charge, contact customer support.
- **Mounting Issues:** Ensure all screws on the mount are securely tightened. If components like screws or the light holder are missing or damaged, contact customer support for replacement parts.
- **Intermittent Operation:** This could be due to a loose connection or low battery. Ensure the light is firmly seated in

its mount and fully charged.

For further assistance, please contact Cygolite customer support.

## Specifications

| Feature | Detail |
|---|---|
| Brand | Cygolite |
| Model Name | Sturdy Flexible Mount (HY-250-USB) |
| Brightness | 250 Lumen |
| Number of Settings | 7 |
| Power Source | Battery Powered (USB Rechargeable) |
| Water Resistance Level | IP64 Water Resistant |
| Material | Plastic |
| Item Weight | 0.12 Pounds (approx. 54 grams) |
| Mounting Type | Seat Mount (Seatpost, Seatstay) |
| Color | Red, Black |
| UPC | 745025096262 |
| Item Package Dimensions | 5.2 x 3.15 x 2.01 inches |
| Date First Available | September 30, 2019 |

## Warranty and Support

The Cygolite Hypershot 250 Lumen Bicycle Taillight comes with a**Limited One Year Warranty**.

For warranty claims, technical support, or additional product information, please visit the official Cygolite Store or contact their customer service directly.

**Visit the Cygolite Store**

© 2024 Cygolite. All rights reserved.

### Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**