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› Cygolite Hypershot 250 Lumen Bike Tail Light User Manual

Cygolite HY-250-USB

Cygolite Hypershot 250 Lumen Bike Tail Light User Manual

Model: HY-250-USB

1. PRODUCT OVERVIEW

The Cygolite Hypershot 250 is a powerful and compact bike tail light designed to enhance cyclist visibility day and night. Featuring dual LEDs, it provides a bright, extra-wide, and long-range beam pattern to ensure you stand out on busy streets. This light is built for durability and convenience, offering multiple lighting modes, adjustable flash speeds, and USB recharging.



Image 1.1: The Cygolite Hypershot 250 Lumen Bike Tail Light in operation, showcasing its 250 lumens of long-range, extra-wide beam.

What's Included:

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

What's Included



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Image 1.2: The complete package contents for the Hypershot 250, showing the light, two mounting options, and the charging cable.

Key Features:

- **250 Lumen Output:** Provides powerful illumination for maximum visibility.
- **7 Lighting Modes:** Includes Steady, Zoom, SteadyPulse, Bzzz Flash, Triple Flash, DayLightning Flash, and Random Flash for various conditions.
- **User Adjustable Flash Speeds:** Patented two-button control allows on-the-fly adjustment of flash tempo.
- **User Adjustable Brightness:** Patented two-button control allows on-the-fly adjustment of steady mode brightness.
- **Compact & Lightweight:** Weighs only 75 grams, designed for minimal impact.
- **IP64 Water Resistant:** Built to withstand road cycling conditions.
- **USB Rechargeable:** Convenient charging with a low battery indicator.
- **Versatile Mounting:** Includes hard seatpost and seatstay mounts, fitting up to 32mm diameter seatposts and 20mm diameter seatstays. Integrated clip for easy attachment to bags or clothing.

2. INSTALLATION

The Cygolite Hypershot 250 comes with both a seatpost mount and a seatstay mount for flexible installation. Choose the mount that best suits your bicycle and ensures optimal visibility.

Mounting the Light:

1. Select either the seatpost or seatstay mount.
2. Wrap the chosen mount around the bicycle's seatpost (up to 32mm diameter) or seatstay (up to 20mm diameter).
3. Tighten the screw on the mount until it is securely in place.
4. Adjust the up and down pitch of the mount to your preferred angle for optimal light direction, then tighten the screw firmly.
5. Slide the Hypershot 250 light onto the mount until it snaps securely into place.



Built For Long Lasting Use

Designed and engineered with toughness and durability in mind, and meets **IP64 water resistant** rating standards.



Hard Seatpost and Seatstay Mounts Keeps the Light Secured

- Fits up to 32mm diameter seatposts and 20mm diameter seatstays
- Keeps light secure in rough terrain
- Swivels up and down
- Integrated clip for easy attachment



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Image 2.1: The Hypershot 250 shown mounted on both a seatpost and a seatstay, highlighting its durable and water-resistant design. An integrated clip allows attachment to bags.

Your browser does not support the video tag.

Video 2.1: This video demonstrates the process of mounting the Cygolite Hypershot 250 Lumen Bicycle Taillight onto a bicycle seatpost, including securing the mount and attaching the light.

3. OPERATION

The Hypershot 250 features a user-friendly two-button control system for power, mode selection, and flash speed/brightness adjustments.

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Adjustable Flash Speed and Brightness

Patent Pending

Left Button:

- Turn On / Off
- Select Mode

Right Button:

**Adjust Flash Speed
and Brightness**



Image 3.1: The two-button control interface of the Hypershot 250, illustrating the functions of the left (Power/Mode) and right (Adjust) buttons.

Power On/Off and Mode Selection:

- To turn the light **ON**, press the **Left Power Button** once.
- To cycle through the **7 lighting modes**, press the **Left Power Button** repeatedly. The modes include:
 - Steady
 - Zoom
 - SteadyPulse
 - Bzzz Flash

- Triple Flash
 - DayLightning Flash
 - Random Flash
- To turn the light **OFF**, press and hold the **Left Power Button** for approximately 1 second.

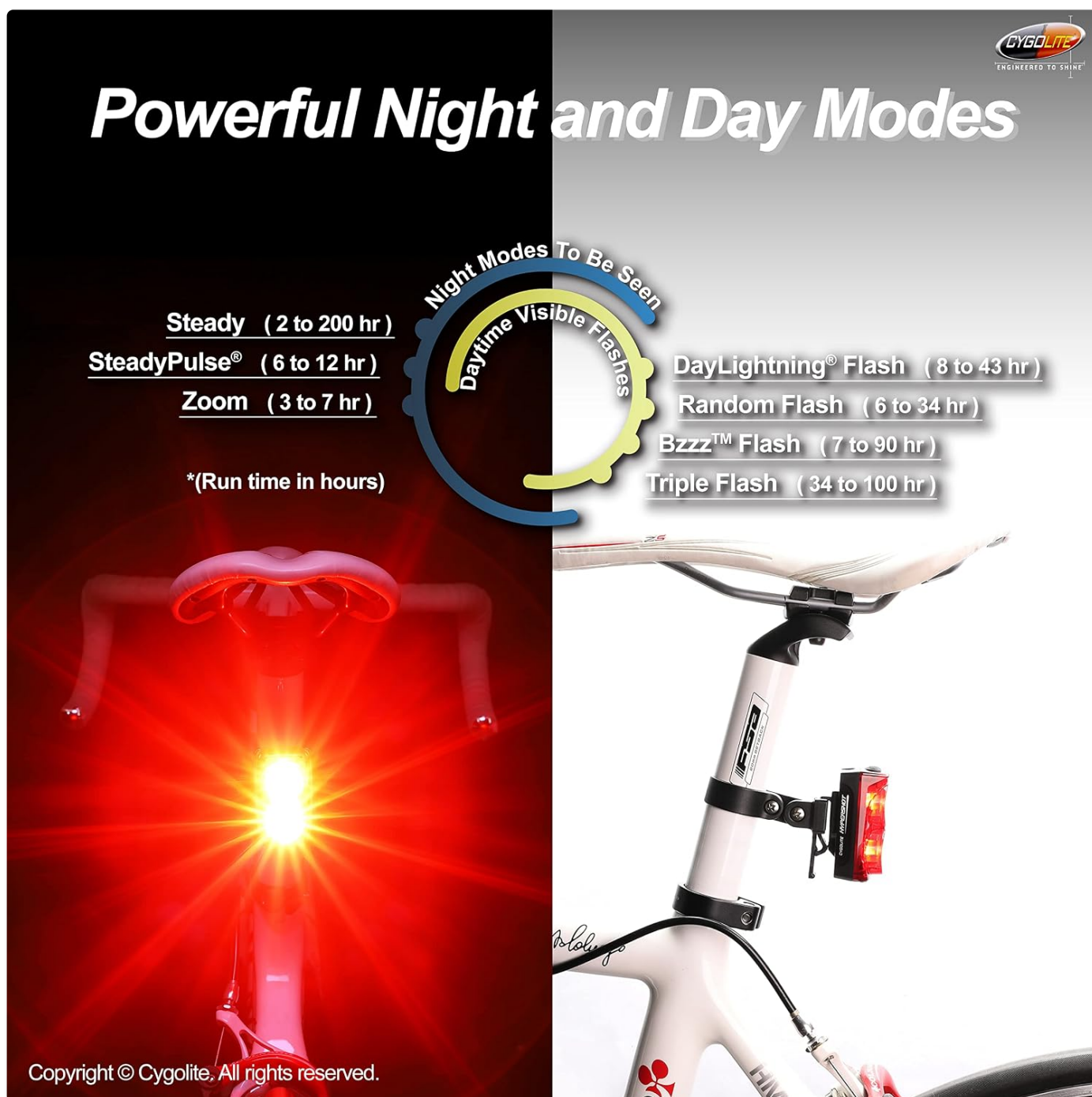


Image 3.2: An overview of the 7 distinct lighting modes, categorized for night and daytime visibility, along with their respective run times.

Adjusting Flash Speed and Brightness (Patented Feature):

The Hypershot 250 features a patented adjustable flash speed and brightness control, exclusive to Cygolite, allowing you to customize your visibility on the go.

- **Adjusting Flash Speed (in flash modes):** While in any flash mode, press and hold the **Right Adjust Button**. The flash speed will gradually increase. Release the button to set the desired speed. To decrease the flash speed, release the button and press and hold it again; the speed will then decrease.
- **Adjusting Brightness (in Steady mode):** While in Steady mode, press and hold the **Right Adjust Button**. The brightness will gradually dim. Release the button to set the desired brightness. To increase brightness, release the button and press

and hold it again; the brightness will then increase.

Your browser does not support the video tag.

Video 3.1: This video demonstrates how to turn the Cygolite Hypershot 250 Lumen Bicycle Taillight on and off, cycle through its 7 lighting modes, and adjust the patented flash speed and brightness settings.

4. CHARGING

The Hypershot 250 is equipped with a Micro USB port for convenient recharging. A low battery indicator will alert you when charging is needed.

Charging Instructions:

1. Locate the Micro USB port on the light (typically covered by a rubber flap for water resistance).
2. Open the rubber flap and insert the Micro USB charging cable into the port.
3. Connect the other end of the USB cable to a powered USB port (e.g., computer, wall adapter).
4. The light will indicate charging status (e.g., a specific LED color or pattern).
5. Once fully charged, disconnect the cable and ensure the rubber flap is securely closed to maintain water resistance.



***As Compact and Stylish
As It Is Powerful***



 **USB RECHARGEABLE**

Image 4.1: The Hypershot 250 being charged via its Micro USB port, highlighting its compact design and convenient recharging capability.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Cygolite Hypershot 250.

Cleaning:

- Wipe the light clean with a soft, damp cloth.
- Avoid using abrasive cleaners or solvents, as these can damage the casing or lens.
- Ensure the USB port cover is clean and securely closed after charging or cleaning to maintain water resistance.

Water Resistance:

The Hypershot 250 is rated IP64 water resistant, meaning it is protected from dust ingress and splashing water from any direction. While it can withstand rain and splashes, it is not designed for submersion in water.

6. TROUBLESHOOTING

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

- **Light not turning on:** Ensure the battery is charged. Connect the light to a USB power source and check if the charging indicator activates.
- **Light not holding a charge:** Verify that the charging cable and USB power source are functioning correctly. Try a different cable or power adapter.
- **Light flickering or inconsistent operation:** This may indicate a low battery. Recharge the light fully. If the issue persists, contact customer support.
- **Mount not secure:** Ensure all screws on the mount are tightened firmly. The mount should not rotate freely on the seatpost or seatstay.

For further assistance, please contact Cygolite customer support.

7. SPECIFICATIONS

Specification	Detail
Model Number	HY-250-USB
Light Output Maximum	250 Lumens
Number of Settings	7
Power Source	Battery Powered (USB Rechargeable)
Water Resistance Level	IP64 Water Resistant
Item Weight	2.4 ounces (approx. 68 grams)
Product Dimensions (L x W x H)	1.5"L x 1.5"W x 2.5"H
Material	Plastic
Mounting Type	Seatpost Mount, Seatstay Mount
UPC	745025096262

8. WARRANTY AND SUPPORT

Warranty Information:

The Cygolite Hypershot 250 is covered by a **Limited One Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support:

For technical support, warranty claims, or any questions regarding your Cygolite product, please visit the official Cygolite website or contact their customer service department.

Website: www.cygolite.com

Email: support@cygolite.com

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