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Cygolite HS-SL-50

Cygolite Hotshot SL-50 Lumen Bike Tail Light User Manual

Brand: Cygolite | Model: HS-SL-50

INTRODUCTION

The Cygolite Hotshot SL-50 is a compact, powerful, and USB rechargeable bicycle tail light designed to enhance rider visibility during both day and night. Featuring 50 lumens of flash output and multiple lighting modes, it provides reliable illumination for various riding conditions. This manual provides instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and safety.



Image: The Cygolite Hotshot SL-50 tail light brightly illuminated on a bicycle seat post, demonstrating its visibility.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Hotshot SL 50 Taillight
- Mini USB Charging Cable
- Seat Post Mount

SETUP AND MOUNTING

The Hotshot SL-50 comes with a secured hard mount for easy installation on your bicycle's seat post.

1. **Attach the Mount:** Wrap the seat post mount around your bicycle's seat post.
2. **Secure the Mount:** Use a screwdriver to tighten the screw on the mount until it is firmly in place and does not move.
3. **Adjust Pitch (Optional):** The mount allows for adjustment of the up and down pitch to optimize the light's angle for visibility. Adjust as desired.
4. **Attach the Light:** Slide the Hotshot SL-50 tail light down onto the secured mount until it snaps into place.

Ensure it is securely fastened.



Built For Long Lasting Use

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



Hard Seatpost Keep the Light Secured

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

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Image: The Cygolite Hotshot SL-50 tail light shown mounted on a bicycle seat post and connected to a mini USB charging cable. For a visual guide on mounting, refer to the official product video below:

Your browser does not support the video tag.

Video: Official Cygolite Hotshot SL 50 Lumen Bicycle Taillight demonstration, including mounting instructions.

OPERATING INSTRUCTIONS

The Hotshot SL-50 features a two-button control system for easy operation.

Button Functions:

- **Left Button (Power/Mode Select):**
 - Press to turn the light ON/OFF.
 - Press repeatedly to cycle through the different lighting modes.
- **Right Button (Adjust):**
 - Press and hold to adjust the flash speed in flashing modes.
 - Press and hold to adjust the brightness in steady modes.

Adjustable Flash Speed and Brightness

Patent Pending

Left Button:

- Turn On / Off
- Select Mode

Right Button: Adjust Flash Speed and Brightness



Image: A close-up view of the Cygolite Hotshot SL-50, highlighting the left power/mode button and the right adjustment button.

Lighting Modes:

The Hotshot SL-50 offers 6 distinct lighting modes for various conditions:

- **Steady:** Constant illumination.
- **Zoom:** A pulsating steady beam.
- **SteadyPulse:** Alerts motorists with attention-grabbing pulses while maintaining a constant beam to help gauge distance.
- **Triple Flash:** Three quick flashes followed by a pause.
- **DayLightning Flash:** High-visibility flash pattern optimized for daytime use.
- **Random Flash:** Irregular flash pattern for increased noticeability.

Powerful Night and Day Modes

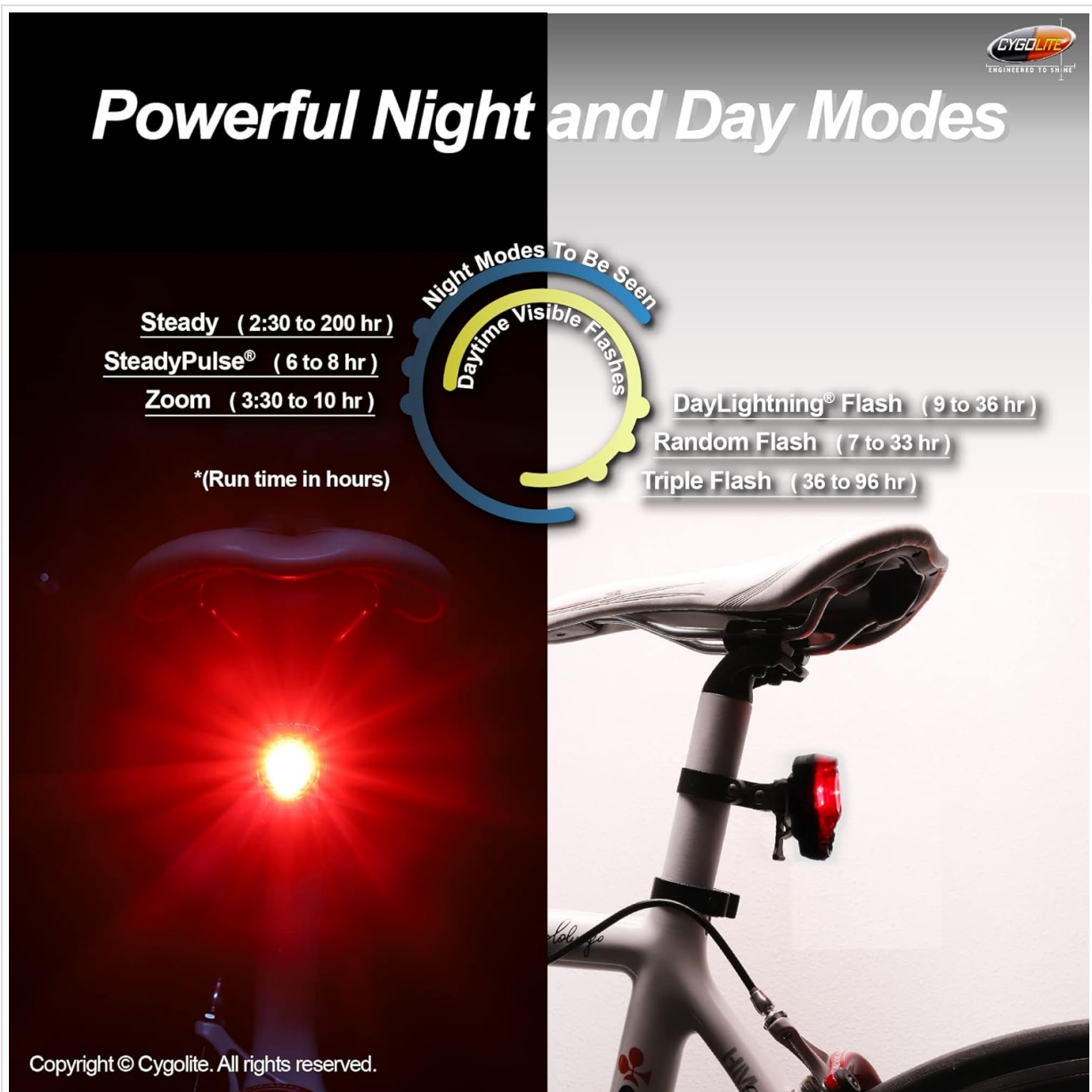


Image: A visual representation of the 6 night and daytime modes available on the Cygolite Hotshot SL-50, including estimated runtimes.

Adjusting Flash Speed and Brightness:

Cygolite's patented OSP technology allows for user-tuneable flash speed and brightness.

- **To Adjust Flash Speed (Flashing Modes):** While in any flashing mode, press and hold the **Right Button**. The flash speed will gradually increase or decrease. Release the button when the desired speed is reached.
- **To Adjust Brightness (Steady Mode):** While in Steady mode, press and hold the **Right Button**. The brightness will gradually dim or brighten. Release the button when the desired brightness is reached.

The light features a mode memory function, recalling the last mode used when turned back on.

CHARGING

The Hotshot SL-50 is USB rechargeable. A low battery indicator will alert you when charging is needed.

1. **Locate Charging Port:** The mini USB charging port is located on the side of the light, protected by a rubber cover.
2. **Connect Cable:** Open the rubber cover and connect the supplied mini USB charging cable to the light and to a USB power source (e.g., computer, wall adapter).

3. **Charging Indicator:** The light will indicate charging status (e.g., solid light for charging, off when fully charged).
4. **Charge Time:** Refer to specifications for approximate charging times.
5. **Disconnect:** Once fully charged, disconnect the cable and ensure the rubber cover is securely closed to maintain water resistance.

MAINTENANCE

- **Cleaning:** Wipe the light with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Water Resistance:** The light is IP64 water resistant. Ensure the USB port cover is securely closed to prevent water ingress. Avoid submerging the light in water.
- **Storage:** Store the light in a cool, dry place when not in use. For long-term storage, charge the battery periodically to maintain its health.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently.

TROUBLESHOOTING

- **Light Not Turning On:**
 - Ensure the battery is charged. Connect to a USB power source.
 - Press and hold the Left Button for a full second to ensure it registers.
- **Light Not Holding Charge:**
 - Verify the mini USB cable is properly connected to both the light and the power source.
 - Try a different USB cable or power source.
 - If the issue persists, the battery may need servicing. Contact customer support.
- **Mount Not Secure:**
 - Ensure the screw on the seat post mount is tightened sufficiently.
 - Verify the light is correctly snapped into the mount.

SPECIFICATIONS

Model Name	Cygolite Hotshot SL-50
Light Output	50 Lumens (Flash)
Run Time	2h 30m to 200h (depending on mode)
Charging	Mini USB Rechargeable
Water Resistance	IP64 (Water Resistant)
Weight	55g (approx. 3.2 ounces)
Dimensions	2.5"L x 1.5"W x 1"H (approx.)
Material	Plastic, Aluminum
Mounting Type	Seatpost Mount

WARRANTY AND SUPPORT

Warranty: The Cygolite Hotshot SL-50 comes with a One Year Limited Warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accidents, unauthorized modifications, or normal wear and tear.

Customer Support: For warranty claims, technical assistance, or product inquiries, please visit the official Cygolite website or contact their customer service department. Keep your proof of purchase for warranty validation.

For more information, visit: [Cygolite Official Store](#)