Cygolite SS-160-USB

Cygolite Slingshot Endurance 160 Lumen Bicycle Taillight User Manual

Model: SS-160-USB

Introduction

The Cygolite Slingshot Endurance 160 is a high-visibility bicycle taillight designed to enhance rider safety. This compact and powerful light features 160 lumens of output, USB-C recharging, and 7 distinct lighting modes for both day and night use. Its durable, water-resistant design ensures reliable performance in various cycling conditions. This manual provides essential instructions for the proper setup, operation, and maintenance of your Slingshot Endurance 160 taillight.

Setup

1. Unboxing and Components

Carefully unpack your Cygolite Slingshot Endurance 160 taillight. Verify that all components are present:

- Slingshot Endurance 160 Bicycle Taillight
- Flexible Mounting Strap
- USB-C Charging Cable (2 feet length)



Figure 1: Included Components - Slingshot Endurance 160 Taillight, Flexible Mount, and USB-C Charging Cable.

2. Mounting the Taillight

The flexible mounting strap allows for secure attachment to most seatposts and seat stays, including aero styles.

1. Position the taillight on your bicycle's seatpost or seat stay, ensuring the light faces directly backward.
2. Wrap the flexible mounting strap around the seatpost/seat stay and hook it onto the designated tabs on the taillight body.
3. Adjust the strap for a snug fit to prevent movement during rides.



Figure 2: Securely mounting the taillight using the flexible strap.

3. Initial Charging

Before first use, fully charge the taillight. The Slingshot Endurance 160 uses a convenient USB-C charging port.

1. Locate the USB-C charging port on the taillight.
2. Connect the provided USB-C cable to the taillight and plug the other end into a USB power source (e.g., computer, wall adapter).
3. The charging indicator light will show the charging status. Refer to the operating instructions for specific indicator behavior.
4. Once fully charged, disconnect the cable.



Figure 3: USB-C charging for convenience.

Operating Instructions

1. Power On/Off and Mode Selection

The taillight features a two-button design for intuitive control.

- **Bottom Button:** Press and hold to turn the light On or Off. A single press cycles through the available lighting modes.
- **Top Button:** Used to adjust flash speed and brightness within certain modes (see OSP Technology below).



Figure 4: Button functions for power, mode, and adjustments.

2. OSP Technology (On-Site Programmable)

The patented OSP Technology allows you to fine-tune the brightness and flash speeds to your specific cycling needs. Use the **Top Button** to make these adjustments when in a compatible mode.

3. Lighting Modes and Run Times

The Slingshot Endurance 160 offers 7 distinct lighting modes, optimized for both day and night visibility. Run times are approximate and may vary based on usage and battery condition.

- **Steady:** A constant beam of light. Run time: 2:30 to 125 hours (adjustable).
- **Zoom:** A pulsating steady beam. Run time: 6 to 15 hours.
- **SteadyPulse:** Shines a steady beam to help motorists gauge distance while overlapping pulses keep them alert at night. Run time: 6 to 8 hours.
- **Triple Flash:** Three quick flashes followed by a pause. Run time: 30 to 85 hours.
- **DayLightning Flash:** Bursts lightning-like flashes to make you stand out on busy roads in broad daylight. Run time: 8 to 49 hours.

- **Random Flash:** Irregular flash pattern for increased attention. Run time: 9 to 51 hours.
- **Bzzz Flash:** A rapid, buzzing flash pattern. Run time: 6 to 95 hours.



Figure 5: Overview of 7 lighting modes and their run times.



Figure 6: Extended run times for longer rides.

4. Low Battery Indicator

The taillight is equipped with a low battery indicator to alert you when charging is needed. The indicator light will change color or flash in a specific pattern when the battery level is low. Refer to the full product documentation on the manufacturer's website for specific indicator details.

5. Product Video Demonstration

Watch this official product video for a visual demonstration of the Cygolite Slingshot Endurance 160 Lumen Bicycle Taillight's features and operation.

Your browser does not support the video tag.

Video 1: Cygolite Slingshot Endurance 160 Lumen Bicycle Taillight demonstration, showcasing its various light modes and features.

Maintenance

1. Charging

To maintain optimal battery life and performance, charge the taillight regularly, especially after extended use or if the low battery indicator activates. Use only the provided USB-C cable or a certified equivalent.

2. Cleaning

Clean the taillight's lens and body with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as these can damage the lens or housing. Ensure the USB-C port cover is securely closed after charging to maintain water resistance.

3. Storage

When storing the taillight for extended periods, ensure it is fully charged. Store in a cool, dry place away from direct sunlight and extreme temperatures. Recharge every few months to prevent deep discharge and prolong battery life.

Troubleshooting

Light Not Turning On

- Ensure the battery is charged. Connect the light to a USB power source and check the charging indicator.
- Press and hold the bottom button for a few seconds to power on. A quick press might only change modes if already on.

Light Not Charging

- Verify the USB-C cable is securely connected to both the light and the power source.
- Try a different USB-C cable or power adapter to rule out faulty accessories.
- Ensure the power source is active (e.g., wall outlet is working, computer is on).

Short Run Time

- Ensure the light is fully charged before use.
- Operating in higher brightness or more intense flash modes will consume battery faster. Try a lower setting or a mode with longer advertised run times.
- Battery performance can degrade over time. If the issue persists after several full charge cycles, contact customer support.

Light Flickers or Shuts Off Unexpectedly

- This may indicate a low battery. Recharge the light.
- Ensure the light is securely mounted and not experiencing excessive vibration or impact.

Specifications

Model Number	SS-160-USB
Light Output Maximum	160 Lumens
Number of Settings	7 (Night & Daytime Modes)
Power Source	Battery Powered (USB-C Rechargeable)
Water Resistance Level	IP64 (Water Resistant)
Mounting Type	Seatpost Mount (Flexible Strap)
Product Dimensions (L x W x H)	1" x 1" x 3"
Material	Plastic
UPC	745025046144

Warranty Information

The Cygolite Slingshot Endurance 160 Taillight comes with a limited warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the official Cygolite website or the warranty card included with your product. Please retain your proof of purchase for warranty claims.

Customer Support

For further assistance, technical support, or to inquire about replacement parts, please visit the official Cygolite website:

www.cygolite.com

You may also find additional FAQs and product resources on their support pages.

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