

ExpiliOn™ 500/410

Super Bright LED Lighting System
with USB Rechargeable Li-Ion Battery for Cycling



OPERATION MANUAL

Congratulations on your purchase of the ExpiliOn High-Brightness LED headlight system. Please refer to this guide to operate your ExpiliOn safely and properly.

FEATURES

- Industry leading Cree LED Technology
- USB Rechargeable
- 7 Lighting Modes (*Med-Hi-Boost-Low-Daylight Flash-Walking-SOS*)
- Quick Release Rechargeable Li-Ion Battery Stick
- Regulated Power Circuitry for steady brightness
- Smallest size in its class (only 130 g)

CONTENTS



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- Super Bright LED Headlight
- Quick Release Rechargeable Li-Ion Battery Stick
- Wall Charger
- USB Charging Cable
- Handlebar Bracket
- Helmet Mount Kit (ExpiliOn 500 only)
- Operation Manual

CAUTION:

- Headlight may get hot during use. Use caution when handling.
- Unplug the headlight from charger when not in use.
- Unplug connectors by the plug, never by the cable.
- Do not modify or substitute any parts with Non-Cygolite parts.
- Do not open headlight case.
- Provide adequate airflow to the headlight to cool during use.
- If the light is on & stationary longer than 10 minutes, turn it off.
- Do not look directly at light.
- Do not operate or submerge under water.
- Do not operate the light unattended.
- Keep headlight away from combustible materials.
- Do not package headunit when hot or immediately after use.
- Carrying a flash light is recommended.
- This light is for bicycle use only.
- State laws regarding flashing bicycle lights may vary among states. Use the flashing modes in accordance to your local state laws as well as federal law.

HEADLIGHT OPERATION

The ExpiliOn features a **BICYCLE MODE** with 5 brightness settings, and a **SPECIAL MODE** with 2 special settings. The settings are controlled by the power button on the top of the headlight. The top button also functions as the low battery and charging indicator. The diagram and instructions below indicate where these features are located on the headlight and how to use them.

CAUTION: The light may get hot during use. Handle with care and turn light off if stationary for more than 10 minutes.

BICYCLE MODE (Med-High-Boost-Low-Daylight Flash)

1. Press power button to turn light on. The light will turn on in the Medium setting and the top green indicator will illuminate. Press power button again to scroll through the different settings and daylight flash.
2. Boost mode is the brightest setting in bicycle mode. The green indicator on top will blink slowly to show when boost mode is on.
3. Hold the power button for 2 second to turn the light off.

SPECIAL MODE (Walking - SOS)

1. While the headlight is in the off position, press and hold the power button for 2 seconds to activate the special modes.
2. Press power button to scroll through the 2 special settings. Press and hold power button for 2 second to turn the light off.



LOW BATTERY INDICATOR

The low battery indicator is in the power button. It shows a steady green light when battery is fully charged. As the battery runs low, the green light will flash quickly to indicate that you have approximately 10~15 minutes of power left.

MOUNTING ON HANDLEBARS



1. Attach handlebar spacers to inside of handlebar bracket for standard sized handlebars. Remove spacers for oversized handlebars.
2. Swing thumbnut out from thumbnut slot to open bracket.
3. Attach rubber pad to handlebar spacer (or handlebar bracket). First remove paper from rubber pad to reveal adhesive side, align rubber pad holes to handlebar spacer plugs and join together.

MOUNTING CONTINUED



4. Wrap bracket around handlebar and return thumbnut into slotted space.

5. Twist thumbnut clockwise until tight.

6. Slide headlight back into the bracket until headlight clicks into place.

TO REMOVE HEADLIGHT FROM THE HANDLEBARS

Press the release tab down on the bracket and slide headunit forward.

TO ADJUST THE SIDE-TO-SIDE BEAM DIRECTION

Swivel the headlight left to right to adjust the side-to-side direction. If side swivel becomes loose, tighten the swivel screw on the top of the bracket with a philips screwdriver.

INSTALLING BATTERY



INSTALLING BATTERY

1. Line up the arrow on the back of the battery and the arrow on the back of the headlight that reads "O". Insert battery into light as shown.

2. Lock battery into the headlight by turning clockwise as shown.

3. CYGOLITE should read straight horizontally when locked and the arrow on the battery lines up with the arrow on the headlight that reads "C".

REMOVING BATTERY

1. Unlock the battery from the light by turning counter-clockwise until arrows on the battery and headlight align into the open position.

2. Once battery is unlocked from light, pull battery out.

BATTERY CHARGING



WARNING: Charge the battery with the supplied charger or USB cable only. Using any other charger or USB cable to charge the battery may result in damage. The charger is for indoor use only.

BATTERY CHARGING - continued

- 1. Lift the RIGHT side of the rubber cover to reveal the charging port.
STEP 2 VARIES DEPENDING ON CHARGING METHOD.
- 2A. (Wall charging) Connect the charger to the wall outlet.
- 2B. (Computer USB charging) Connect the USB charging cable to your computer's USB port.
- 3. Insert charging cable into the USB charging port.
- 4. The charging indicator on top of the light will flash green when charging then have a steady green when fully charged.
- 5. Allow approximately 5 continuous hours to fully charge a drained battery. (Charging times may vary depending on charging method)

REINSTALLING USB COVER:

- 1. Insert the left inner edge of the USB cover into the recharging port.
- 2. Apply pressure diagonally inward to the right side of the cover until the USB cover is fully inserted.



RUN TIMES

Model	Bicycle Modes					Special Modes	
	Medium	High	Boost	Low	Day Flash	Walking	SOS
EXPILION 500	3:15	2:15	1:30	15:00	19:00	38:00	38:00
EXPILION 410	4:00	2:30	2:00	17:00	22:00	44:00	44:00

HELMET MOUNT (Expilion 500 only)

Add foam pad



Helmet bracket (bottom view)

- 1. Add foam pad to bottom of helmet bracket to cushion against helmet. Peel away paper to reveal adhesive and fasten to the helmet bracket.
- 2. Weave the 12" long velcro strap up through one hole of the helmet bracket, then down through the outer hole on the other side. Pull the strap until the plastic loop prevents the strap from moving further.
- 3. Position helmet bracket over vent holes on the front top of the helmet.
- 4. Insert velcro strap downward through the vent hole then up through the opposing vent hole. Thread the velcro strap through the velcro strap loop and pull to tighten. Then fasten the velcro strap to itself, making sure the helmet bracket is secured in place.
- 5. Sliding backward, insert the headlight into the helmet bracket until it locks in place. To remove headlight, press the bracket tab down and slide the headlight forward.

F.A.Q.s

Q: When should I replace the bulb?

- The LED bulb has extensive life so bulb replacement is not necessary.

Q: When should I charge my battery?

- The battery can be charged any time, but we recommend fully charging the battery every time you charge it.

Q: Can I use non-Cycolite parts for this unit?

- No, Cycolite parts are manufactured to specific quality specifications. To ensure the quality of your lighting system, only use Cycolite parts. Use of non-Cycolite parts will void the warranty and may cause damage to the light.

Q: Can I leave my light charging for extended periods of time?

- Yes, the light is smart charging & will prevent from overcharging but like all electrical appliances we recommend disconnecting the headlight and charger when the light is fully charged.

Q: Can I use my other Cycolite batteries with the ExpiliOn?

- No, the ExpiliOn is only compatible with Cycolite's Li-Ion batteries used on the ExpiliOn systems.

Q: Will my charger for my other Cycolite systems recharge the ExpiliOn battery?

- No, the ExpiliOn battery only works with the supplied charger. Attempting to charge the battery with any other charger will result in damage.

Q: Where can I purchase the compatible Li-Ion batteries for my ExpiliOn?

- Compatible Li-Ion batteries can be purchased from the spare parts section of our website or by contacting Cycolite customer service.

Q: Can I use this light for activities other than cycling ?

- No, this light is specifically intended for bicycle use only.

Q: What should I do if moisture or water gets into my light?

- Immediately remove the battery from the light. Put the battery aside and allow the light to dry completely before continued usage.

If you have more questions that are not listed here,
visit the support page at: www.cycolite.com

CARE

The ExpiliOn series is designed to be used on bikes in some of the most extreme outdoor conditions. Over time, dust and dirt may hinder the connections on your headlight. To prevent this from happening, ensure that the headlight is clean after every ride.

Wipe the headlight with a damp cloth. Do not submerge the battery or headlight in water. Remove all dirt around or on the plugs or jacks on the headlight.

The High-Brightness LED has extensive life so bulb replacement is not required.

TROUBLESHOOTING

The headlight will not turn on.

- Make sure the power button was firmly pressed.
- Make sure battery is securely installed in the headlight and in the closed position.
- Make sure the battery is fully charged.

WARRANTY

The ExpiliOn Series comes with a one year limited warranty, against any defective part or craftsmanship. The battery is warranted up to 90 days after the original date of purchase. If the unit is under warranty, Cygolite will repair or replace defective components at no charge provided the product has not been subject to misuse, abuse, or non-Cygolite authorized alteration, modification or repair. Warranted products requiring service must receive a Return Merchandise Authorization number (RMA#) from customer service. The original receipt (INCLUDING DATE) is required on all warranty repairs. Shipping costs incurred from shipping warranty or repair items from the customer to Cygolite are covered by the customer.

COMMITMENT

All Cygolite products are backed by Cygolite's warranty, providing quality, craftsmanship and the assistance of our knowledgeable staff. If any support is needed, we will assist with 48 hour turnarounds on parts and service. For questions, problems, and/or authorized CYGOLITE parts contact us.