



High-Powered LED  
NiMH

Sol™



SolMate™



USER GUIDE



## DISCOVER THE NIGHT!

Thank you for choosing the Sol™ from NiteRider, the innovator in technical lighting systems. The Sol™ combines a high-powered white LED headlamp and a Power Module containing light control, charging and safety circuits as well as rechargeable NiMH batteries.

To get the most from your NiteRider light, we urge you to familiarize yourself with the following safety and operating instructions.



## RIDING AT NIGHT

While the Sol™ will improve your control and enjoyment of night riding, please remember that cycling at night is an inherently dangerous activity. In addition to using your lighting system properly and riding with extreme caution, NiteRider urges you to:

- Never ride alone
- Always let someone know where you are going
- Wear a helmet and reflective clothing
- Carry an auxiliary light and emergency supplies



## PROTECTING YOUR INVESTMENT

When not in use, always disconnect the headlamp from the power module. To unplug, grasp the connector, not the cable. Properly charge your batteries to maximize their lifespan. Be sure to use only the supplied AC Adapter, otherwise damage to the power module circuitry could occur. The Sol™ will perform in wet weather conditions, but submerging it in water will damage the system. If you need a submersible light, NiteRider manufactures industrial-grade dive light systems. For information, contact NiteRider Dive Lights at 858.268.3850 or visit [www.niteriderdive.com](http://www.niteriderdive.com).

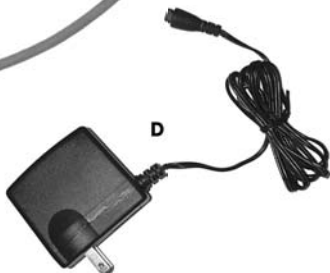
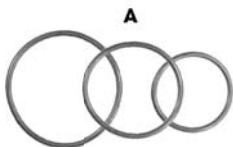
## PARTS LIST AND IDENTIFICATION

Please verify the contents of your Sol™ system:

- A. "O-Ring" Handlebar Mounting Straps
- B. Power Module
- C. Sol™ Headlamp/handlebar mount assembly
- D. AC Adapter

The SolMate™ includes:

- A. "O-Ring" Handlebar Mounting Straps
- B. Power Module
- C. Sol™ Headlamp/handlebar mount assembly
- D. AC Adapter
- E. Helmet Mount
- F. 36" Extension Cable

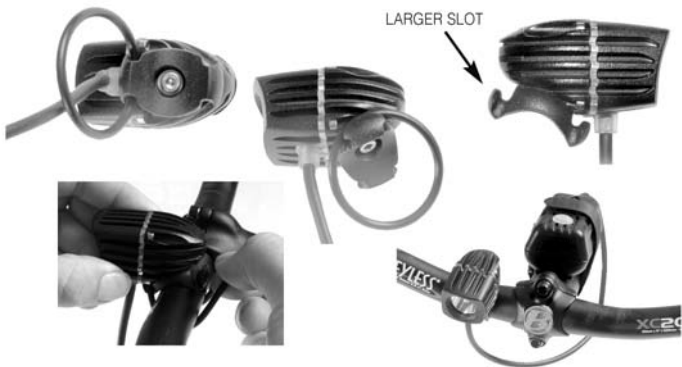


## MOUNTING THE HEADLAMP

Depending on the size of your bike's handlebars, use one of the three "O-Ring" style mounting straps to attach the headlamp/handlebar mount assembly. Follow the steps below.

1. Loosen the screw holding the mount assembly to the headlamp.
2. Hold the headlamp and twist the mount assembly, exposing the slot.
3. Place the desired O-ring mounting strap into the slot and twist the mount assembly back in its original position. The mounting strap is now secure.
4. Before tightening the screw, align the headlamp. Place the headlamp/mounting assembly on the handlebar and change alignment angle by twisting.
5. When properly aligned tighten the screw.
6. Place the headlamp/mounting assembly on the handlebar. Pull/stretch the mounting strap under the handlebar, towards the back and loop it over and into the back slot on the mounting assembly. If you have difficulty getting the mounting strap into the back slot see the TIP below.

**TIP:** The 2 slots on the mounting assembly are different sizes. The larger slot opening should face the back of the bike, giving more room for attaching the mounting strap. The smaller slot opening should face forward, reducing the chance of dropping the mounting strap.



## OPERATION

1. Connect the headlamp cord (or extension cable) to the Power Module.
2. Press and release the headlamp power button to turn the light on and off.

## **MOUNTING THE POWER MODULE**

1. Thread the Velcro strap through the slots on the top of the Power Module.
2. Attach the concave surface of the Power Module to a safe, convenient location on the handlebars, stem or frame, placing the Velcro strap over the mating surface.

## **ATTACHING HELMET MOUNT TO HELMET**

1. Unclamp the straps on each side of the helmet mount and pull them free.
2. Position the mounting plate as close to the centerline of the helmet as possible, orienting the snap to the rear.
3. Feed each strap into and out of two helmet vents, circling each strap back to the upper edge of the corresponding clamp.
4. Fasten the straps by inserting them into the clamps.

## **MOUNTING HEADLAMP TO HELMET MOUNT**

1. Secure smallest O-ring to headlamp (see "Mounting the Headlamp" steps 1 thru 3).
2. Remove helmet mount body from the base.
3. Mount headlamp to body by squeezing O-ring and inserting into front slot. Stretch O-ring and pull up, around back of body and loop it over and into the back slot on the head mounting assembly.
4. Snap helmet mount body into helmet mount base.

## **BATTERY CHARGING**

The smart charging circuitry is housed in the Power Module and will recharge a fully discharged battery in less than 8 hours.

1. Plug the AC Adapter into the Power Module and then into the wall socket.
2. The Power Module indicator light will be solid red until the battery pack is fully charged then it turns off. If a battery is severely discharged the charger first goes into a pre-condition mode and the red indicator light will flash every 3 seconds. Once pre-conditioning is complete, charging begins.
3. Unplug the AC Adapter from the Power Module and wall socket, grasping the connectors rather than the cables.
4. Leaving the Power Module and AC Adapter connected indefinitely will not harm the batteries.



## SUPPORT

If you experience difficulties during product installation or operation, NiteRider provides free telephone support on weekdays from 8:00 AM to 4:30 PM (Pacific Time) at 800.466.8366, ext. 4. You may also e-mail us at [support@niterider.com](mailto:support@niterider.com).



## WARRANTY

NiteRider stands behind its products with the following Sol™ warranties:

- Lifetime warranty on all mechanical components
- 2 years on the headlamp, power module (excluding degradation of the battery cells) and AC Adapter
- 180 days on rechargeable batteries

To repair or replace your product while under warranty, return it (postage prepaid and insured with original sales receipt) to the address below. Out-of-warranty repair service is also available. For complete warranty information, please visit our website at [www.niterider.com](http://www.niterider.com).



## RUN TIME

The Sol™ will run for 4 hours at constant light output.

Run time is an approximation and will vary.

Lumens: 115

Lumen values represent an average of 10 randomly selected headlamps as measured in a 0.6 meter Integrating Sphere.

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