Factory Settings
Factory settings are locked and cannot be changed. The Pro Series factory settings include 3 light levels – high, med, and low, and one flash pattern (the Ni-teRider Standard Flash). See table below.

<table>
<thead>
<tr>
<th>Light Level</th>
<th>Lumens</th>
<th>Run Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pro 700 / Race</td>
<td>700</td>
<td>4.00 / 2.40</td>
</tr>
<tr>
<td>2</td>
<td>320</td>
<td>8.00 / 5.00</td>
</tr>
<tr>
<td>1</td>
<td>160</td>
<td>15.00 / 10.00</td>
</tr>
<tr>
<td>Pro 1400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>700 Spot</td>
<td>5:00</td>
</tr>
<tr>
<td>2</td>
<td>700 Flood</td>
<td>5:00</td>
</tr>
<tr>
<td>Pro 1400</td>
<td>500</td>
<td>2:30</td>
</tr>
</tbody>
</table>

Thermal Step Down
If the Pro Series headlamp is used in a static air environment, such as bench testing, heat retention, due to inadequate airflow, may cause the light output to "step down" to a lower level to avoid damage. In rare cases of extreme heat retention the light will power off to protect the LEDs from overheating.

DOCKING STATION
The Docking Station has two uses.
1. To recharge the Pro Series Li-ion battery.
2. To download Programs from the D.I.Y. Software to the headlamp.

BATTERY CHARGING AND CARE
Initialising the Battery
For maximum accuracy of the fuel gauge it is important to initially pair the battery with the fuel gauge. To accomplish the pairing, fully recharge the battery before and after the first use and completely discharge the battery during that use.

Battery Recharging
The (6-cell, 7.2V, Li-ion) will fully recharge in 3:30 and the (8-cell, 9.6V, Li-ion) in 4:30. In addition a 4-cell, 4.8V, Li-ion battery is available as an accessory. All batteries are interchangeable with the 2 Pro Series headlamps.

1. Plug the AC Adapter into the Docking Station and then into the wall socket. The "Power" indicator on the docking station will illuminate solid red.
2. Plug one end of the USB Cable into the Docking Station and the other end into the USB port of a computer. The "USB/PC" indicator will illuminate solid yellow.

Adding a Program
3. Connect the Pro Series headlamp to the Docking Station. The "Headlamp" indicator will illuminate solid yellow.
4. Click the "Update" button on the D.I.Y. Software control panel to initiate transmission of Programs to the headlamp. Refer to the "D.I.Y. Pro LED Software Guide" for detailed information on the software features and how they function.

5. Both the "USB/PC" and "Headlamp" indicators will blink indicating Programs are being downloaded through the Docking Station and into the headlamp.
6. With a successful download, the headlamp LED indicator changes from red to green.

WARNING: Disconnecting the headlamp from the docking station, or the docking station from the computer, or disrupting power to the docking station while transmitting Programs from the D.I.Y. Software will create a problem. The headlamp will either not operate or operate unreliably. To correct this situation, disconnect power to the docking station, wait 10 seconds, then reconnect power. The D.I.Y. Software and docking station will reconnect, then repeat the downloading process.

D.I.Y. SOFTWARE
The latest version of the D.I.Y. Software is available at www.nitereiders.com. The software runs under Windows 2000 and above. For detailed information on the software please see the "D.I.Y. Pro LED Series Software Guide".

RIDING AT NIGHT
While a Pro Series lighting system will dramatically improve your view, 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
Properly charge your battery to maximize its lifespan (see the "Battery Charging and Care" section for detailed information). When not in use, always disconnect the headlamp from the Docking Station. To unplag, grasp the connector, not the cable.

The Pro Series will perform in wet weather conditions, but submerging it in water will damage the system. If you need a serviceable light, NiteRider manufactures industrial-grade dive light systems. For information, contact NiteRider Dive Lights at 858.263.3850 or visit www.nitereiders.com.

SUPPORT
If you experience difficulties during product installation or operation, NiteRider provides telephone support on weekdays from 8:00 AM to 4:30 PM (Pacific Time) at 600.466.0380, extension 4. You may also e-mail us at support@nitereiders.com.
MOUNTING THE HEADLAMP

The Universal Handlebar Mount can be mounted to the handlebar or a helmet.

**Universal Handlebar Mount**

The Universal Handlebar Mount (UHM) is designed to fit virtually any handlebar. Included with the mount is a 2.5 mm Allen wrench, a pair of black rubber bumpers already in place, and a thin rubber sleeve to customize the fit on large handlebars up to 32 mm in diameter.

1. Turn the knob counter-clockwise, allowing the housing to swing open. Place the mount on the handlebar on the left side (the stem, orienting the rectangular notch in the slider clip to the rear).
2. Swing the hinge down to make contact with the handlebar. Swing the hex bolt up, securing the knob into its notches. Turn the knob clockwise to tighten and secure the mount to the handlebar.

The UHM can be adjusted to accommodate any handlebar angle. By loosening the 2.5 x 12 mm Allen screw, you can remove the screw arm back and forth to straighten the headlamp. Tighten the 2.5 x 30 mm screw after the adjustment.

To pivot the headlamp, loosen the 2.5 x 12 mm screw located under the slider clip and swing arm and rotate the headlamp to the desired position. Make this adjustment before tightening the 2.5 x 30 mm screw.

**Helmet Mount**

1. Unstrap the straps on each side of the helmet mount and pull them free.
2. Position the plastic mounting plates as close to the centerline of the helmet as possible, orienting the parallax grooves on the slider clip to the rear.
3. Feed each strap into and out of two helmet vents, clipping each snap back to the upper edge of the corresponding clamp.
4. Fasten the straps by inserting them into the clamps.

**Inserting the Headlamp into the Handlebar or Helmet Mount**

1. Insert the headlamp into the handlebar or helmet mount slider clip from the rear forward. Gently rocking the lamp as you slide it in may help. Do not push the release lever when inserting the headlamp into the slider clip, let it snap back into place by itself.
2. To remove the headlamp, push the release lever and slide the lamp backward. No tools are required for removal. Keep the headlamp, adjust it so the beam illuminates the road properly without distracting oncoming riders.

MOUNTING THE BATTERY SYSTEM

The "battery system" consists of a tray, which mounts to the bike frame, and a Li-ion battery that releases quickly from the tray for charging. The battery system can also be placed in a jersey pocket, hydration pack or fanny pack when helmet mounting the headlamp.

**Warning:** For safety reasons, a cyclist should never be tethered to the bike. If the headlamp is mounted to the helmet, do not mount the battery system to the frame. If the headlamp is mounted to the handlebar, do not place the battery system in a pocket or pack.

**Frame Mount**

1. Thread the Velcro strap through the 2 slots on the bottom of the battery tray.
2. Attach the concave surface of the tray to a safe, convenient location on the frame (typically under the top or down tube), placing the Velcro strap over the tube, but under any shift or brake cables. The cable from the tray should extend toward the stem.
3. Secure the headlamp and battery tray cables to the frame using the thin Velcro ties. Make sure the cables do not interfere with any moving parts.
4. Aligning the arrow on the bottom of the battery with the red arrow inside the frame, and make sure the battery is pushed fully into the battery tray.
5. None. If a click is not heard when sliding the battery into the tray, proper mating did not occur. Remove battery from tray and repeat the process.

**Helmet Mount**

1. Unstrap the straps on each side of the helmet mount and pull them free.
2. Position the plastic mounting plates as close to the centerline of the helmet as possible, orienting the parallax grooves on the slider clip to the rear.
3. Feed each strap into and out of two helmet vents, clipping each snap back to the upper edge of the corresponding clamp.
4. Fasten the straps by inserting them into the clamps.

### Power Button Uses

The power button, located on the top of the headlamp, is used to turn the light on, change light and flash levels, turn the light off and access the Program Select mode:

- **Light On**
  - Press and release the power button to turn the light on.
  - Cycle through the brightness levels by pressing and releasing the power button.

- **Flash**
  - To access flash mode press and hold the power button for greater than 3 seconds.
  - Cycle through the flash patterns by pressing and releasing the power button.
  - Turning the light off while in either normal light or flash mode, press and hold the power button for greater than 1 and less than 3 seconds.

- **Program Mode**
  - Press the "OP" position, press and hold the power button for 6 seconds to enter the Program Select mode.
  - Cycle through the 5 Programs by pressing and releasing the power button.
  - To select a Program, press and hold the power button until the LED’s blink rapidly 5 times.

- **Pocket or Pack**
  - Route the helmet cord through a helmet vent and along the outside of the headlamp using the Velcro tie to secure the cord.
  - Connect the helmet cord to the battery, making sure the cord does not interfere with any moving parts.
  - Simply place the battery in a pocket or pack.

**LED Indicators**

The four LED indicators on top of the headlamp, in front of the lens, indicate battery life. In addition, you have multiple uses - as fuel gauge stock and as identifiers when in the Program Select mode.

**Fuel Gauge**

The 5 LED fuel gauge is located on top of the headlamp in front of the power button. When all four LEDs are lit solid green, the battery is fully charged. As the battery depletes, a percentage, as indicated by the LEDs, from right to left, successively goes from solid to blinking green to out. With only the final 5% capacity remaining one LED blinks red. At this time, the headlamp should be turned off and the battery replaced.

**Program Select Mode**

There are a total of 5 Programs to select from. The Pro Series handlebar headlamp has a 5-program cycling lock that is locked and cannot be modified. In addition, the handlebar headlamp has memory to store 4 (4 additional operating Programs which you create, modify and download to the Pro Series handlebar headlamp using the Docking Station and D.I.Y. Software). Download the D.I.Y. Software at www.nitridevices.com.

1. From the "OFF" position, press and hold the power button for 5 seconds to enter the Program Select mode. The number of LED’s indicates the Program currently being used.
2. One LED being lit indicates the factory settings Program, while one lit green indicates Program 1. The 2 leftmost LED’s being lit green indicates Program 2, the 2 leftmost LED’s being lit green indicates Program 3 and all four being lit indicates Program 4.
3. Cycle through the (5) Programs by pressing and releasing the power button.
4. To select a Program, press and hold the power button until all 5 LEDs begin to blink rapidly 5 times.

Once a Program has been selected, the light will operate under that Program’s specifications. Before shipping, Nitridev has initialized the memory for the 4 additional operating Programs with factory settings.