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> NiteRider Pro 1800 Race MTB Bike Light User Manual

## NiteRider 6591

# NiteRider Pro 1800 Race MTB Bike Light User Manual

Model: 6591

## INTRODUCTION

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The NiteRider Pro 1800 Race is a high-performance, lightweight mountain bike light designed for optimal visibility and durability. It features 1800 lumens of light output from three LEDs, configured with a custom reflector to provide a wide beam pattern suitable for challenging trails. An accurate eight-step fuel gauge keeps riders informed of battery levels, ensuring consistent performance during rides.

## WHAT'S IN THE BOX

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Your NiteRider Pro 1800 Race package includes the following components:

- LED Headlamp
- Li-Ion Battery
- Helmet Mount
- Handlebar Mount (Fits up to 35mm handlebars)
- 36-inch Extension Cable
- AC Adapter
- Nylon Storage Pouch

For a visual guide on the contents, please refer to the unboxing video below:

Video: Unboxing the NiteRider Pro 1800 Race light set, showing all included components.

## SETUP

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Follow these steps to properly install your NiteRider Pro 1800 Race bike light:

1. **Handlebar Mounting:** Attach the handlebar mount to your bicycle handlebar. Ensure it is securely fastened and positioned directly centered in front of the bike stem for optimal beam alignment. The light head slides into the mount.



Image: The NiteRider Pro 1800 Race light securely mounted on a bicycle handlebar, showing its compact design.

2. **Helmet Mounting (for vented helmets only):** If using the helmet mount, attach it to a vented helmet. The light head can then be secured to this mount.



Image: The NiteRider Pro 1800 Race light attached to a vented cycling helmet, demonstrating its helmet mount compatibility.

3. **Battery Placement:** Connect the Li-Ion battery to the light head. Use the 36-inch extension cable if you need to place the battery further away on your bike frame. Secure any excess cabling to prevent

interference with moving parts.



Image: A 36-inch extension cable, useful for flexible battery placement on the bicycle frame.

## OPERATING INSTRUCTIONS

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The NiteRider Pro 1800 Race features multiple light modes and an intuitive fuel gauge for easy operation.

- **Power On/Off:** Press and hold the power button to turn the light on or off.
- **Changing Modes:** Briefly press the power button to cycle through the available light modes (e.g., Low, Medium, High, Boost, Flash). The light offers 3 main settings plus a Boost mode.
- **8-Step Fuel Gauge:** An integrated 8-step fuel gauge provides real-time battery level information, allowing you to monitor remaining runtime at a glance.
- **Boost Mode:** Activate the Boost mode for maximum 1800 lumen output when extra illumination is needed for high-speed riding or challenging terrain.

See the video below for a demonstration of the light's features and mode indicators:

Video: Demonstration of the NiteRider Lumina Pro Series, highlighting color-coded mode indicators and the 8-step fuel gauge. For an overview of day and night performance across different Lumina models, which share similar operational principles, view this video:

Video: Lumina Boost Highlights, showcasing high power lights for day or night use, demonstrating various light modes and their visibility.

## CHARGING

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To charge the Li-Ion battery:

1. Connect the AC adapter to the battery pack.
2. Plug the AC adapter into a standard wall outlet.
3. Monitor the fuel gauge for charging status. Ensure charging is performed in a fire-safe area, away from flammable materials.



Image: The AC adapter used to charge the Li-Ion battery pack for the NiteRider Pro 1800 Race light.

## MAINTENANCE

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- **Cleaning:** Wipe the light and battery with a damp cloth. Avoid harsh chemicals.
- **Storage:** Store the light and battery in the provided nylon storage pouch in a cool, dry place when not in use.
- **Water Resistance:** The Pro 1800 Race is water and dust resistant (IPX6 rated), designed to withstand diverse riding conditions. However, avoid submerging the unit.
- **Durability:** The rugged design with DuPont fiberglass reinforced nylon casing/housing ensures durability against impacts and falls.

## TROUBLESHOOTING

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If you encounter issues with your NiteRider Pro 1800 Race light, consider the following:

- **Light Not Turning On:** Ensure the battery is fully charged and properly connected to the light head.
- **Reduced Runtime:** Check the battery's age and charging habits. Battery performance can degrade over time. Ensure the light is not consistently used in the highest lumen modes, which consume more power.
- **Mounting Issues:** Verify that the handlebar or helmet mount is correctly installed and tightened.

For further assistance, please contact NiteRider customer service.

## SPECIFICATIONS

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Feature	Detail
Brand	NiteRider
Model Number	6591
Light Output Maximum	1800 Lumens
Number of Settings	3 (plus Boost)
Material	Nylon (DuPont fiberglass reinforced)
Power Source	Battery Powered (Li-Ion)
Mounting Type	Handlebar Mount, Helmet Mount
Water Resistance Level	Water Resistant (IPX6)
Item Weight	1.67 Pounds
Lens Type	Specialty Borofloat Glass Lens

## WARRANTY AND SUPPORT

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**Warranty:** The NiteRider Pro 1800 Race comes with the following warranty coverage:

- 1-year Warranty: Rechargeable battery cells
- 2-year Warranty: Printed circuit boards, switches, AC adapters
- Limited Lifetime Warranty: Covers any defects in mechanical components ( housings, covers, mounts and fasteners) and LEDs

**Customer Service:** NiteRider offers dedicated customer service based in San Diego, CA. For technical inquiries, lighting system suggestions, service, or any other support needs, please visit the official NiteRider website or contact their support team directly.