

Ravemen PR2000

RAVEMEN PR2000 Bike Light Instruction Manual

INTRODUCTION

The RAVEMEN PR2000 is a high-performance bicycle headlight designed for night riding, mountain biking, and various cycling environments. Featuring 2000 lumens of maximum brightness, a dual-lens anti-glare system, and a wireless remote control, it provides enhanced visibility and safety. This manual provides essential information for the proper setup, operation, and maintenance of your PR2000 bike light.



Image: The RAVEMEN PR2000 Bike Light, showcasing its dual-lens design, LED display, handlebar mount, and accompanying wireless remote.

SETUP

1. Mounting the Light

The PR2000 is designed to fit 31.8mm-35mm round handlebars. Securely attach the light to your handlebar using the provided mount. Ensure the light is firmly in place and adjusted to illuminate the path ahead without obstructing your view or dazzling oncoming traffic.



Image: The PR2000 bike light securely mounted on a bicycle handlebar, displaying its LED runtime indicator.

2. Charging the Battery

The PR2000 features a USB-C charging port. Connect the light to a compatible USB power source using the provided cable. The LED display will indicate the charging status. The light also functions as a power bank, allowing you to charge other USB-powered digital devices in emergencies.

USB-C CHARGING PORT AND RUN TIME EXTENSION

extend battery runtime with external power source



Image: The PR2000 bike light being charged via its USB-C port, highlighting its runtime extension capability.

3. Wireless Remote Control Setup

Attach the wireless remote to your handlebar in a convenient location that allows for easy access without releasing your grip. The remote enables you to turn the light on/off, switch between modes, and change brightness levels safely while riding.

Your browser does not support the video tag.

Video: Demonstrates the installation methods for a RAVEMEN bike light, including handlebar mounting and the use of a wireless remote control.

OPERATING INSTRUCTIONS

1. Power On/Off and Mode Selection

Long press the main button on the light to turn it on or off. Click the button to cycle through different lighting modes, including low beam and HiLo beam. The HiLo beam system provides a far-reaching high beam and an anti-glare low beam, similar to automotive headlights, to illuminate your path while reducing glare for oncoming road users.

2000 LUMENS BIKE LIGHT LIGHT UP YOUR ROAD

≡○ ≡○ HiLo BEAM SYSTEM

UP TO 558 FT

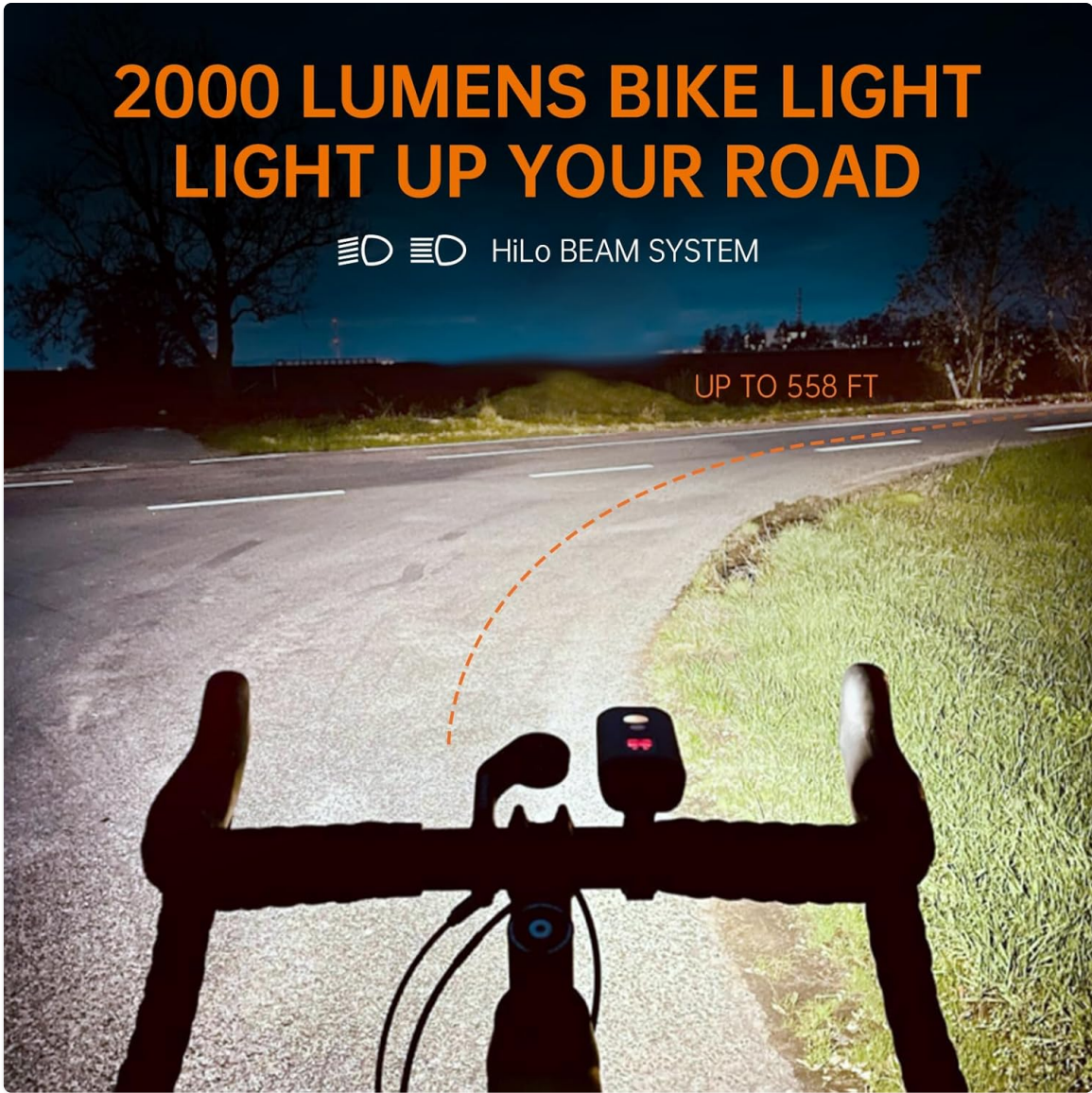


Image: The PR2000 bike light casting a powerful 2000-lumen beam on a road during night riding.

ANTI-GLARE DESIGN

Providing broad close-range flood light with anti-glare low beam for commuting, no dazzle and glare for oncoming riders and pedestrians



HiLo BEAM SYSTEM

Providing similar illuminating light of automotive headlight with far reaching high beam and broad flood anti-glare low beam



Image: Visual comparison of anti-glare design and HiLo beam system, showing how the light reduces dazzle for others while providing ample illumination.

2. LED Runtime Display

The integrated LED display shows the remaining runtime for each brightness level, allowing you to select the ideal setting for your ride and manage battery life effectively.

3. Smart Daytime Riding Mode (If applicable)

Some RAVEMEN models feature a smart daytime riding mode that automatically adjusts brightness or switches to pulse flashing in bright ambient light, and to a mid-brightness level in low ambient light. The light may also turn off after a period of inactivity and turn back on when motion is detected.

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Video: Demonstrates various lighting modes and the smart daytime riding mode, including auto switching and auto on/off functionality.

MAINTENANCE

1. Waterproof Design

The PR2000 is IPX8 waterproof, meaning it is protected against continuous immersion in water up to

1.5 meters for 30 minutes. This ensures reliable performance in various weather conditions.



Image: The PR2000 bike light submerged in water, illustrating its IPX8 waterproof capability.

2. Durable Construction

The light features a durable anodized aluminum body, built to withstand extreme weather and riding situations. Regular cleaning with a soft, damp cloth is recommended to maintain its appearance and functionality. Avoid using harsh chemicals or abrasive materials.

TROUBLESHOOTING

- **Light not turning on:** Ensure the battery is charged. Long press the power button for several seconds.
- **Light not charging:** Check the USB-C cable and power adapter. Ensure the charging port is clean and free of debris.
- **Remote not responding:** Ensure the remote is properly paired with the light. Check the remote's battery if applicable.
- **Reduced runtime:** Battery performance can decrease over time. Ensure the light is fully charged before each ride. Operating at higher brightness levels will consume battery faster.






SPECIFICATIONS

Feature	Specification
Brightness	2000 lumens
Power Source	USB C Rechargeable
Water Resistance Level	IPX8 Waterproof
Material	Aluminum
Item Weight	214 Grams
Mounting Type	Handlebar Mount (31.8mm-35mm)
Number of Settings	5
Auto Part Position	Front

WARRANTY AND SUPPORT

The RAVEMEN PR2000 Bike Light comes with a **2-year warranty**. For technical support, warranty claims, or any questions regarding your product, please refer to the contact information provided with your purchase or visit the official Ravemen website.

Related Documents - PR2000

	Ravemen PR2000 Bicycle Headlight User Manual and Specifications Comprehensive user manual and technical specifications for the Ravemen PR2000 2000 Lumen bicycle headlight, including operation, mounting, safety, and warranty information.
	Ravemen CR600 Bike Headlight User Manual - 600 Lumens, IPX6 Waterproof User manual for the Ravemen CR600 bicycle headlight, detailing its 600 lumens output, multiple lighting modes, IPX6 water resistance, mounting instructions, safety precautions, and warranty information.
	Ravemen CR1000 Bicycle Headlight User Manual and Specifications Comprehensive user manual and technical specifications for the Ravemen CR1000 bicycle headlight. Learn about operation, mounting, safety guidelines, battery care, and warranty information.
	Ravemen CR300 Bicycle Headlight - User Manual and Specifications Comprehensive user manual for the Ravemen CR300 bicycle headlight, detailing technical specifications, performance parameters, mounting instructions, safety warnings, and warranty information. Features include multiple brightness modes, long battery life, and a remote button.
	Ravemen PR800 Bicycle Headlight User Manual 800 Lumens Comprehensive user manual for the Ravemen PR800 bicycle headlight. Learn about technical specifications, performance parameters, operation, mounting, safety precautions, and warranty information.



[Ravemen PR1600 Bike Headlight User Manual](#)

Comprehensive user manual for the Ravemen PR1600 bike headlight, detailing technical specifications, performance parameters, quick guide, mounting instructions, battery charging, safety alerts, and warranty information.