Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

RAVEMEN PR 2400

RAVEMEN PR 2400 Bicycle Front Light User Manual

2400 Lumen Anti-Glare Beam with Wireless Remote

1. Introduction

Thank you for choosing the RAVEMEN PR 2400 Bicycle Front Light. This high-performance light is designed to enhance your cycling experience with its powerful 2400 lumen output, anti-glare optics, and convenient wireless remote control. It features a durable aluminum body, IPX8 water resistance, and a versatile USB-C charging/power bank function. Please read this manual carefully before use to ensure proper operation and maintenance.



The RAVEMEN PR 2400 Bicycle Front Light provides powerful illumination for your path.

2. Package Contents

- RAVEMEN PR 2400 Bicycle Front Light
- Wireless Remote Switch
- Handlebar Mount
- USB-C Charging Cable
- User Manual

3. Setup and Installation

3.1 Mounting the Light

1. Attach the handlebar mount securely to your bicycle's handlebar. The mount is suitable for handlebars with a

diameter of 31.8 mm to 35 mm.

2. Slide the RAVEMEN PR 2400 light onto the mount until it clicks into place. Ensure it is firmly seated.
3. Adjust the angle of the light to ensure optimal visibility without dazzling oncoming traffic.

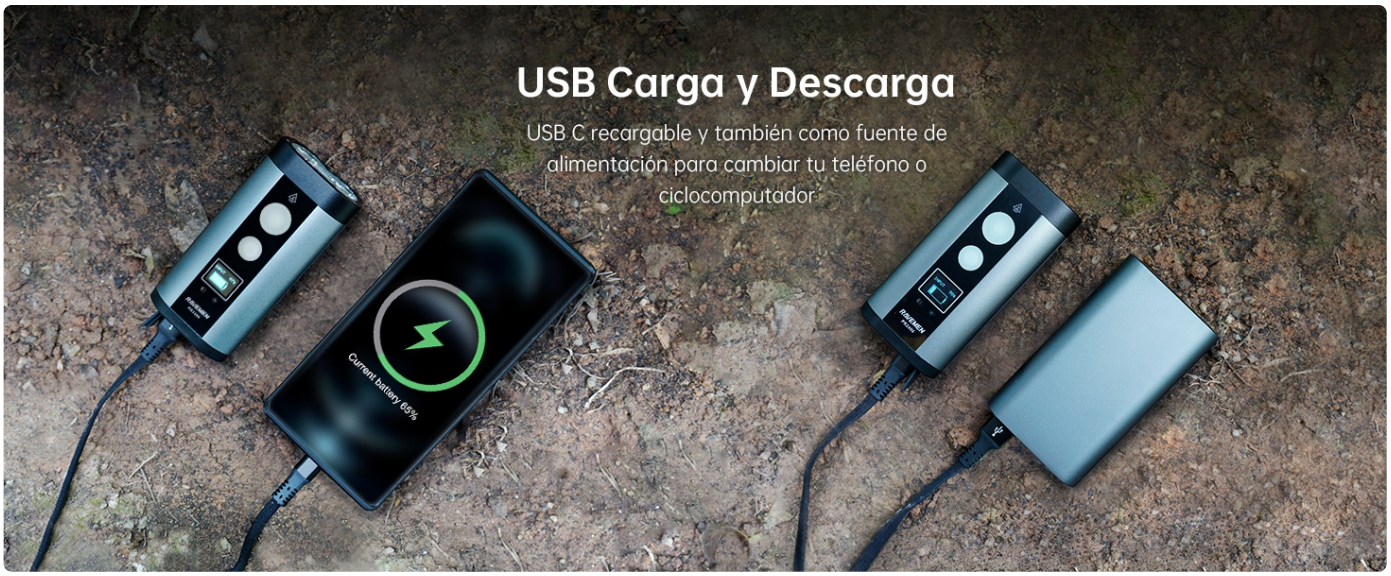


The RAVEMEN PR 2400 light mounted on a handlebar, displaying its OLED screen and indicating a weight of 282g.

3.2 Charging the Battery

The PR 2400 features a built-in 8000 mAh rechargeable lithium-ion battery. Before first use, fully charge the light.

1. Connect the provided USB-C cable to the light's Type-C input port.
2. Connect the other end of the cable to a USB power source (e.g., wall adapter, computer USB port).
3. The OLED display will indicate the charging status. A full charge typically takes several hours.

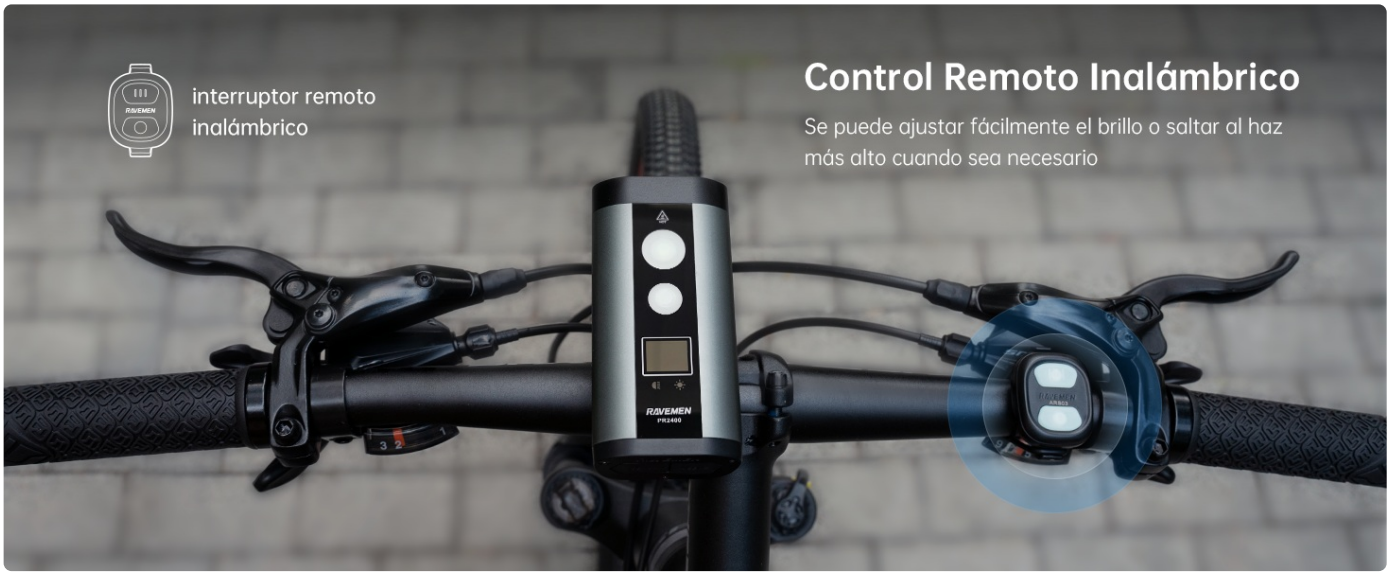


The light supports USB-C charging and can also act as a power bank to charge other devices.

3.3 Pairing the Wireless Remote

The wireless remote allows for convenient control of the light's functions without removing your hands from the handlebars.

- Ensure the light is powered on.
- Press and hold the button on the wireless remote until the light responds, indicating successful pairing.
- Mount the remote switch in an easily accessible position on your handlebar.



The wireless remote control allows for easy adjustment of brightness and switching to high beam.

4. Operating Instructions

4.1 Power On/Off

- To turn on the light: Press and hold the power button on the light or the remote for 1.5 seconds.
- To turn off the light: Press and hold the power button on the light or the remote for 1.5 seconds.

4.2 Changing Modes and Brightness

The PR 2400 features multiple brightness levels and modes, including an anti-glare flood beam for road cycling and a

HiLo beam system for mountain biking.

- **Change Modes:** Press the mode button (or the corresponding button on the remote) once to cycle through different lighting modes (e.g., road, mountain).
- **Change Brightness:** Press the brightness button (or the corresponding button on the remote) once to cycle through different brightness levels within the selected mode.



Control your light directly from the grip using the wireless remote: 1.5s press for on/off, single press for mode change, single press for brightness change.



The light features an anti-glare design for road use and a HiLo beam system for off-road conditions.

4.3 OLED Display

The integrated OLED display provides real-time information:

- Remaining runtime for the current brightness level.
- Current mode and brightness level.
- Battery status.



The OLED display clearly shows remaining runtime and current mode, aiding in optimal brightness selection.

4.4 USB Output (Power Bank Function)

The PR 2400 can also function as a power bank to charge your digital devices.

- Connect your device's charging cable to the standard USB output port on the light.
- The light will begin charging your device. Note that using this feature will reduce the light's operational runtime.



The USB output port allows the light to function as a power bank for charging digital devices.

5. Maintenance

- **Cleaning:** Wipe the light with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the light in a cool, dry place when not in use. For long-term storage, charge the battery to approximately 50% every 3-6 months to prolong battery life.
- **Water Resistance:** The PR 2400 has an IPX8 waterproof rating, meaning it can withstand heavy rain and muddy conditions. However, avoid prolonged submersion beyond specified limits (e.g., 1.5m underwater for 30 minutes). Ensure the USB port cover is securely closed to maintain water resistance.



The IPX8 water resistance ensures the light performs reliably in wet conditions.

6. Troubleshooting

- **Light not turning on:** Ensure the battery is charged. If the issue persists, try resetting the light by connecting it to a power source for a few seconds.
- **Remote not working:** Check if the remote is properly paired with the light. Re-pair if necessary. Ensure there are no obstructions between the remote and the light.
- **Short runtime:** Ensure the battery is fully charged. Extreme temperatures can affect battery performance. If runtime significantly decreases over time, the battery may be degrading.
- **Charging issues:** Verify the USB-C cable and power source are functional. Ensure the cable is correctly inserted into the port.

7. Specifications

Feature	Specification
Model	PR 2400
Maximum Luminous Power	2400 Lumens
Battery Type	2 Lithium Polymer (8000 mAh total)
Dimensions	16.9 x 11.5 x 4.3 cm
Weight	282 Grams
Material	Aluminum, Plastic
Water Resistance Level	IPX8
Mounting Type	Handlebar Mount
Number of Settings	5
Power Source	Battery

8. Warranty and Support

RAVEMEN products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the official RAVEMEN website or contact your local dealer. Keep your purchase receipt as proof of purchase for warranty claims.

© 2024 RAVEMEN. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0CF1WTCKF

More documents and user manuals: **https://manuals.plus/**