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NiteRider Lumina Max 2500 Headlight User Manual

Brand: NiteRider | Model: Lumina Max 2500

INTRODUCTION

The NiteRider Lumina Max 2500 is a high-performance rechargeable LED headlight designed for MTB, road, and commuter cycling. It features a powerful 2500 lumen output in Boost Mode, an 8-step fuel gauge, and multiple light levels including daylight flash modes. The durable housing is constructed from Dupont® Fiberglass reinforced nylon, meeting FL1 Standards for impact testing and dust/water resistance. This manual provides instructions for setup, operation, and maintenance of your Lumina Max 2500 headlight.



Figure 1: NiteRider Lumina Max 2500 Headlight with handlebar mount.

SETUP

1. Unlocking from Travel Lock Mode

The Lumina Max 2500 is set to a travel lock mode at the factory to prevent accidental activation during shipping and storage. To unlock the device for first use:

- Press and hold the power button for 8-10 seconds until the light turns on.
- The light is now unlocked and ready for use.

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Video 1: Explanation of Travel/Lock Mode for Lumina Series Lights. This video demonstrates how to unlock and re-lock the light for transport or storage.

2. Charging the Battery

Before first use, fully charge the Lumina Max 2500. The light features a USB-C charging port.

- Connect the provided USB-C charging cable to the light and a compatible USB power source.
- A full charge typically takes approximately 3 hours.
- The 8-step fuel gauge will indicate charging progress.



RIDERS CAN PAIR AND POWER ON/OFF COMPATIBLE TAILLIGHTS WITH NITELINK™ WIRELESS TECHNOLOGY

Figure 2: The Lumina Max 2500 features NiteLink Wireless Technology and a USB-C charging port. Typical charge time is 3 hours.

3. Installation

The Lumina Max 2500 comes with a secure handlebar mount and is also helmet mountable (helmet mount sold separately).

- **Handlebar Mount:** Attach the handlebar mount securely to your bicycle's handlebar. The mount fits standard and oversize 35mm handlebars. Ensure the light is firmly clicked into place on the mount.
- **Helmet Mount (Optional):** If using a helmet mount, follow the instructions provided with the helmet mount accessory to attach the light securely to your helmet.

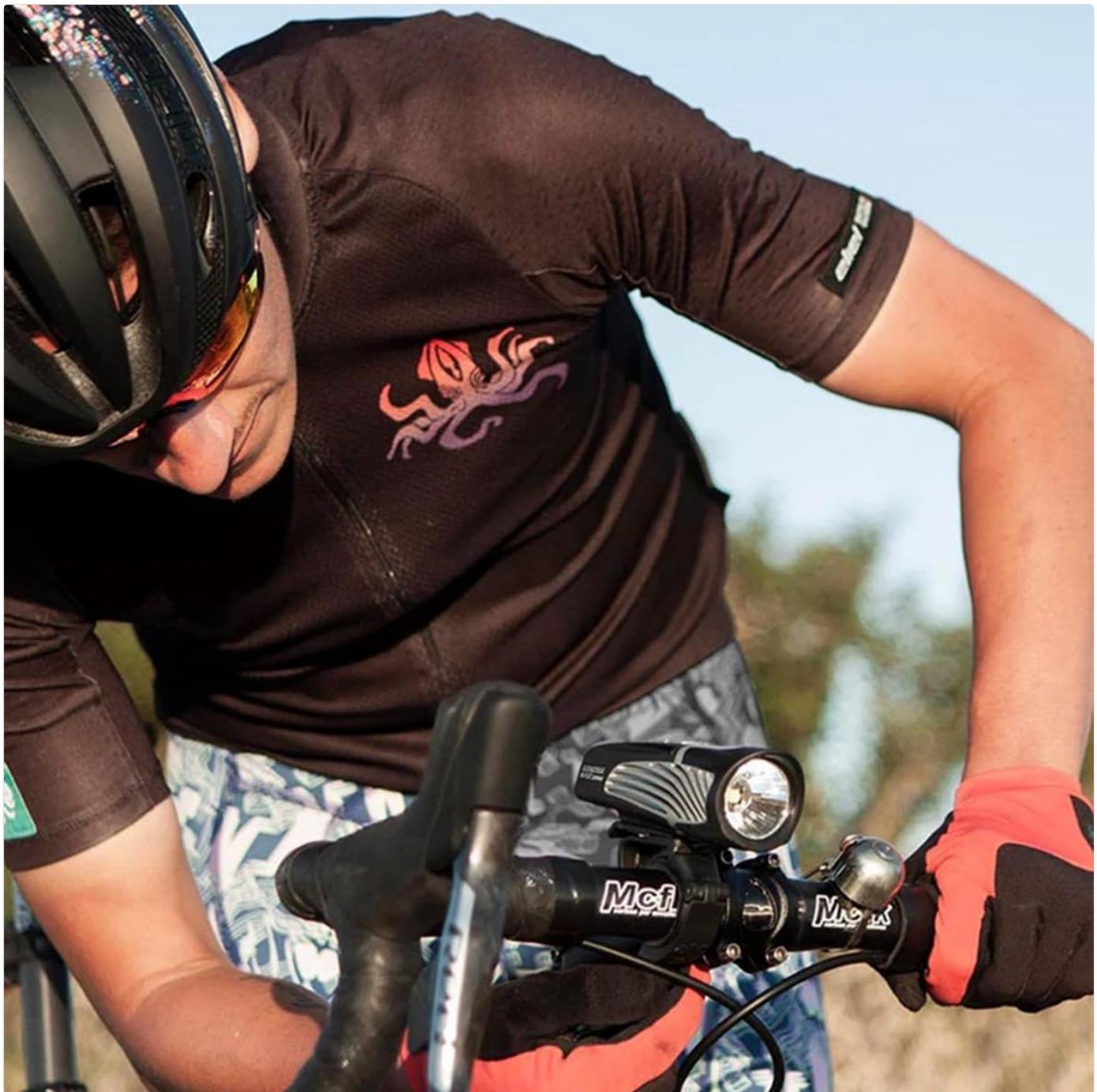


Figure 3: A cyclist adjusting the NiteRider Lumina Max 2500 on a handlebar, demonstrating typical mounting position.

OPERATING INSTRUCTIONS

1. Power On/Off and Mode Selection

- To turn the light ON, press the power button briefly.
- To cycle through the 5 light levels and 3 daylight flash modes, press the power button repeatedly.
- To activate Boost Mode (2500 lumens), press the dedicated Boost Mode button. The power button will light up red and blue to indicate Boost Mode.
- To turn the light OFF, press and hold the power button until the light extinguishes.



TOUGH, LIGHTWEIGHT NYLON / FIBERGLASS COMPOSITE HOUSING WITH ALUMINUM HEATSINK

Figure 4: The light features an 8-step fuel gauge and color-coded light modes visible through the power button, along with custom optics for a wide beam pattern.

2. NiteLink Wireless Technology

The Lumina Max 2500 features NiteLink Wireless Technology, allowing control of compatible NiteRider taillights (sold separately) from the headlight.

- To pair a compatible NiteLink taillight, ensure both the headlight and taillight are in pairing mode.
- Refer to the taillight's manual for specific pairing instructions.
- Once paired, you can control both lights with a flick of the thumb using the NiteLink Wireless Remote (sold separately) or directly from the headlight.

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Video 2: Demonstration of NiteLink Taillight Pairing. This video shows how to pair a NiteLink compatible taillight with the headlight for synchronized control.

3. 8-Step Fuel Gauge

The integrated 8-step fuel gauge provides accurate battery power management, allowing you to monitor the remaining charge.

- The gauge lights will indicate the current battery level.
- Refer to the light's specifications for approximate run times at different light levels.



Figure 5: Key performance metrics for the Lumina Max 2500, including 2500 lumens output, typical run times (0:45-18h), and FL1 Standards compliance for water and dust resistance.

MAINTENANCE

1. Cleaning and Care

- Wipe the light housing and lens with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Ensure the USB-C port cover is securely closed to maintain water resistance (IP64 rating).
- Store the light in a cool, dry place when not in use.

2. Battery Longevity

- For optimal battery life, avoid fully discharging the battery frequently.
- Charge the light regularly, even if not used for extended periods.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|-------------------------|---|--|
| Light does not turn on. | Light is in Travel Lock Mode. | Press and hold the power button for 8-10 seconds to unlock. |
| Light does not turn on. | Battery is fully discharged. | Charge the light using the provided USB-C cable. |
| Short run time. | Operating in high lumen modes (e.g., Boost Mode). | Reduce lumen output by cycling through modes to extend battery life. |
| NiteLink pairing fails. | Taillight not in pairing mode or out of range. | Ensure both devices are in pairing mode and within close proximity. Refer to taillight manual. |

SPECIFICATIONS

| Feature | Detail |
|------------------------|--|
| Model Name | Lumina Max 2500 |
| Part Number | 6797 |
| Brightness | 2500 Lumens (Max Boost Mode) |
| Light Levels | 5 Steady, 3 Daylight Flash Modes |
| Power Source | Rechargeable Battery (USB-C) |
| Charge Time | Approx. 3 hours |
| Material | Plastic, Metal (Dupont® Fiberglass reinforced nylon housing) |
| Water Resistance Level | Water Resistant (IP64) |
| Item Weight | 216 Grams |
| Mounting Type | Handlebar Mount (Helmet Mount sold separately) |
| Dimensions (L x W x H) | Approx. 6 x 2 x 2 inches (15.24 x 5.08 x 5.08 cm) |
| UPC | 702699067974 |

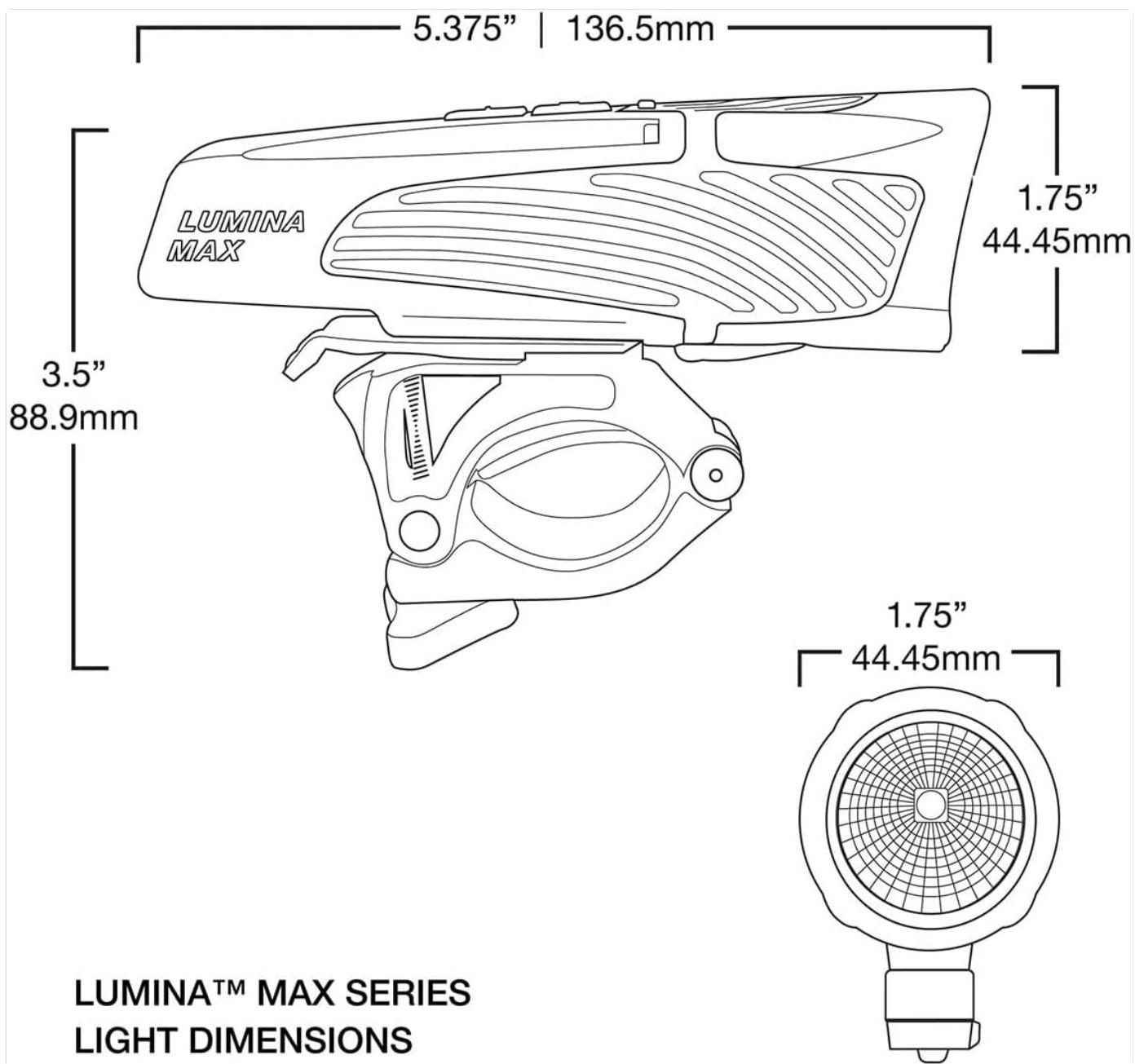


Figure 6: Detailed dimensions of the Lumina Max series headlight.

WARRANTY AND SUPPORT

The NiteRider Lumina Max 2500 comes with a Limited Lifetime Warranty. For detailed warranty information, product support, or service inquiries, please refer to the official NiteRider website or contact their customer service.

Visit the NiteRider Store: [NiteRider Amazon Store](#)