

Lumos Nyxel

Lumos Nyxel Smart Bike Helmet Instruction Manual

Model: Nyxel | Size: S (20.5 - 22in / 52 - 56cm) | Color: Black

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1. INTRODUCTION

Welcome to the Lumos Nyxel Smart Bike Helmet instruction manual. This document provides essential information for the safe and effective use of your new smart helmet. The Lumos Nyxel is designed to enhance cyclist visibility and safety through integrated lighting, smart features, and robust head protection.

2. KEY FEATURES

- **360° Visibility:** Integrated front and back LED lights ensure cyclists are visible from all angles, maximizing safety in various environments.
- **Turn Signals:** Control lights with a remote to indicate turns, enhancing safety on city streets.
- **All-in-One Control:** Synchronize your helmet and bike lights for seamless performance, 360° visibility, and a personalized riding experience.
- **Team Sync:** Connect your Lumos helmet with other Lumos helmets in your riding group for coordinated lighting.
- **Mips Safety System:** Features an innovative low-friction liner that allows for small movements within the shell, absorbing extra energy during rotational impacts for enhanced head protection.

360° Visibility

Helmet with Front & Back Light



8 lighting colors

Mode 01



Always on

Mode 02



Slow flashing

Mode 03

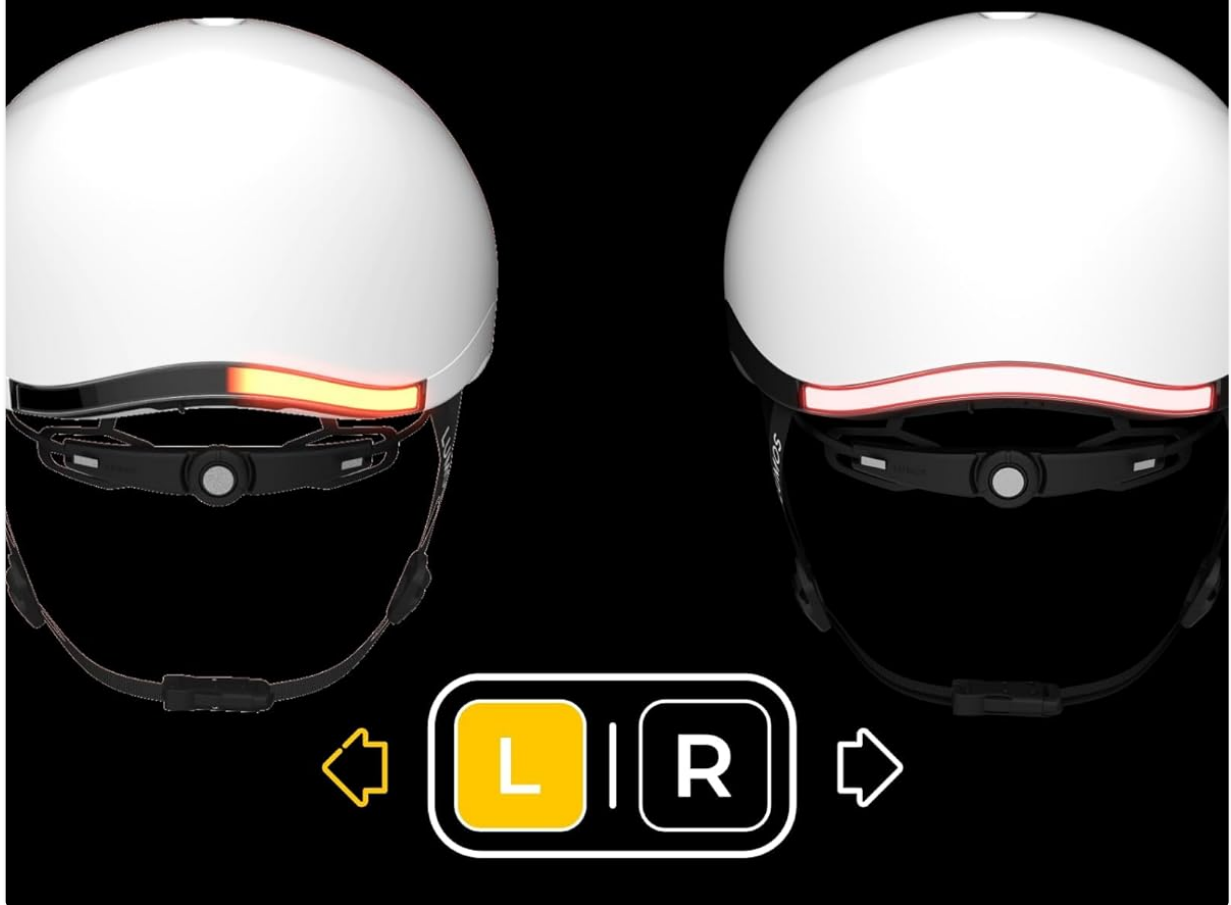


Flashing

The Lumos Nyxel helmet with its integrated front and rear lights, providing 360-degree visibility for cyclists.

Wirelessly activated turn signals

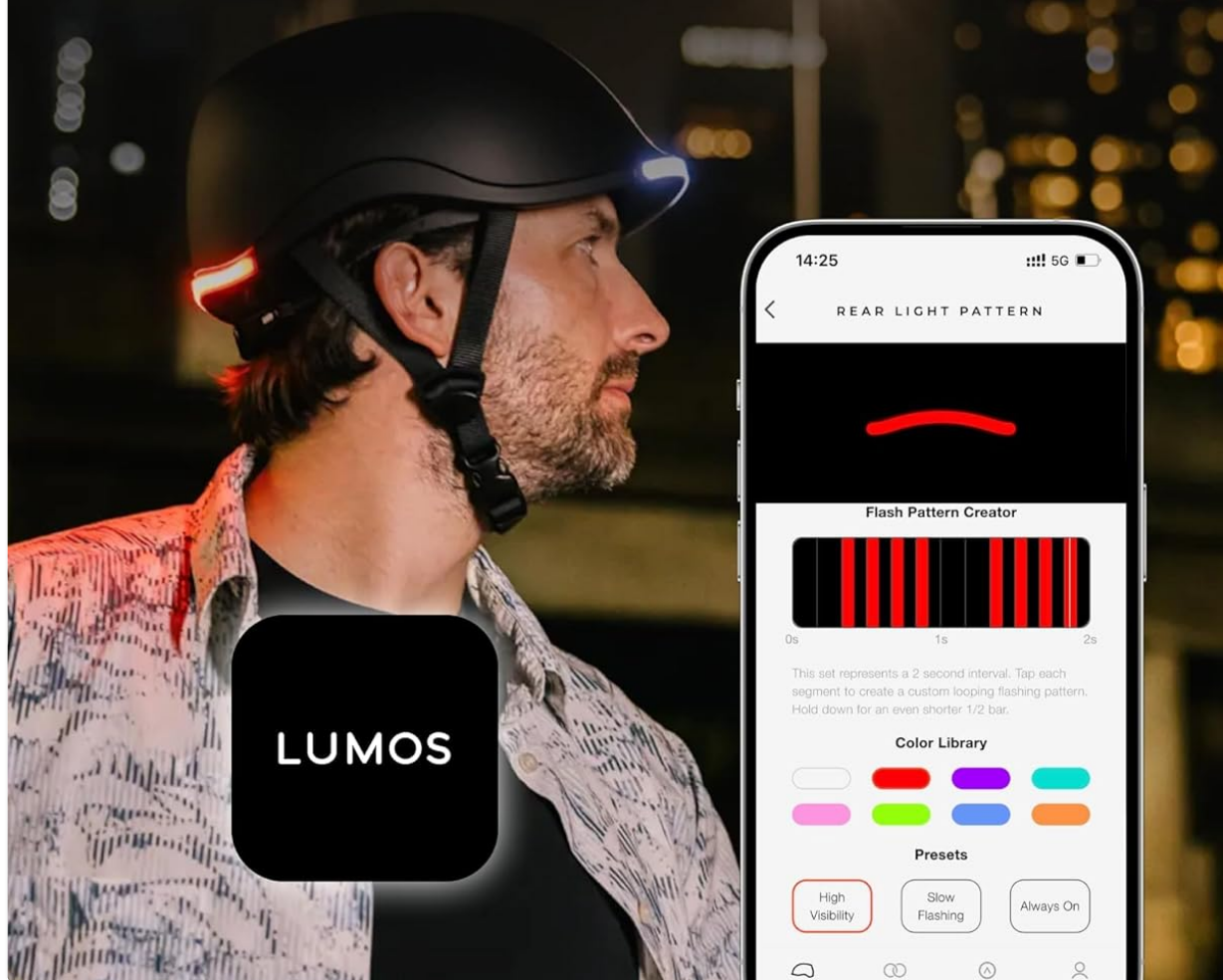
Automatic Brake Lights
(*Unlock with Lumos Remote)



The Lumos Nyxel helmet showcasing its wireless turn signal functionality, indicating left and right turns.

Customize light flashing patterns

8 lighting colors
Check battery life



A cyclist wearing the Lumos Nyxel helmet, with a smartphone showing the Lumos app interface for customizing light flashing patterns and colors.

IPX6

S

52-56cm
(20.5-22in)

M

55-59cm
(21.6-23.2in)

L

58-63cm
(22.8-24.8in)



Two cyclists riding at night, demonstrating the Team Sync feature where their Lumos helmets display coordinated lighting patterns.



An internal view of the Lumos Nyxel helmet highlighting the Mips safety system, designed to reduce rotational forces during impacts.

3. SETUP

3.1 Unboxing and Initial Inspection

Upon receiving your Lumos Nyxel helmet, carefully open the packaging and inspect all components. The box should contain:

- Lumos Nyxel Smart Bike Helmet
- USB-C Charging Cable
- Lumos Remote (for turn signals)

- Silicone Bands (for remote attachment)
- Getting Started Cards / User Guide



Included in this box

Helmet • Charging cable • Lumos remote • Silicone bands • Getting started cards

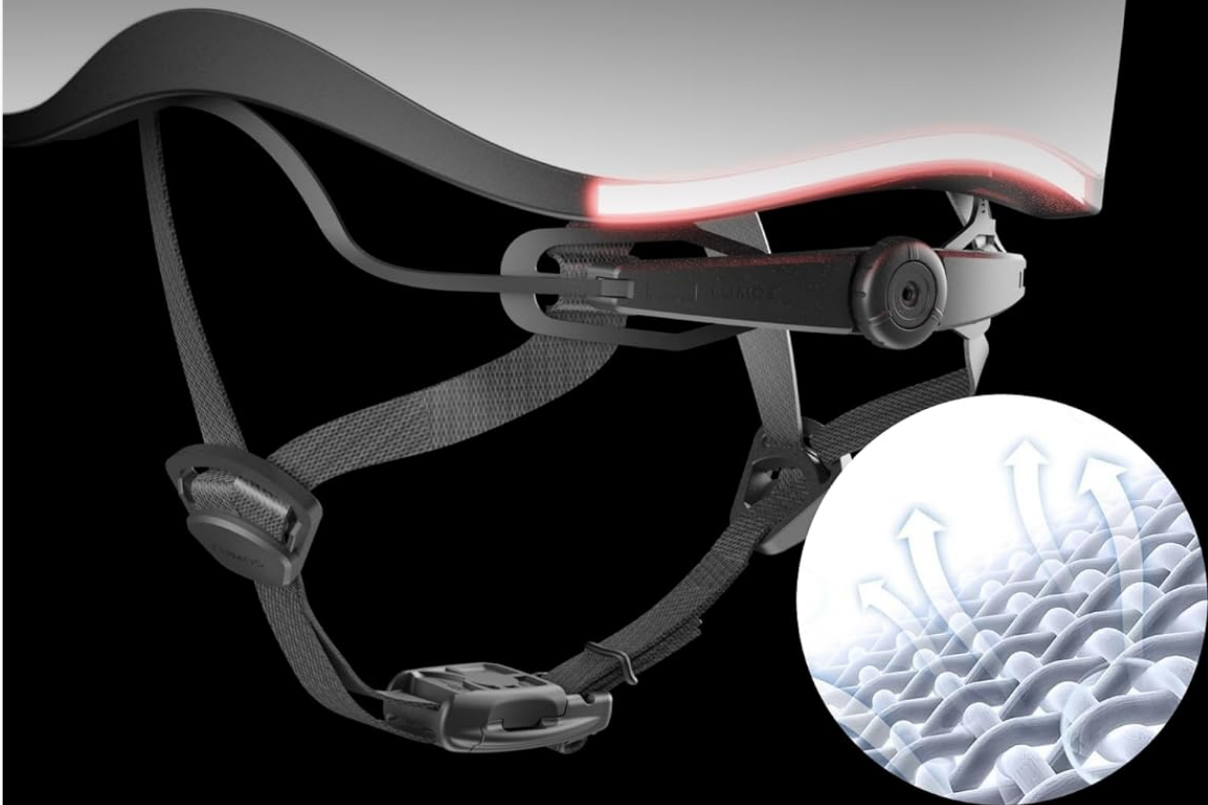
The complete contents of the Lumos Nyxel helmet package, including the helmet, USB-C charging cable, Lumos remote, silicone bands, and documentation.

3.2 Charging the Helmet

Before first use, fully charge your helmet. Connect the provided USB-C cable to the charging port located on the helmet and plug the other end into a compatible USB power source. The helmet's lights will indicate charging status.

Engineered for a Secure, Snug Fit

Ionic+ Antimicrobial Liner, Stay Fresh on
Every Ride



A close-up of the Lumos Nyxel helmet showing the USB-C charging port and the charging indicator light.

3.3 Fitting the Helmet

Ensure a secure and comfortable fit for optimal safety. Adjust the straps and the rear retention system until the helmet sits snugly on your head without obstructing your vision. The Ionic+ Antimicrobial Liner helps maintain freshness.

Up to 14 hours runtime

USB-C charging & long battery life



14 hours

ECO
MODE

13.5 hours

SLOW
FLASH

6.33 hours

FAST
FLASH

3.5 hours

ALWAYS
ON

A detailed view of the Lumos Nyxel helmet's internal structure, highlighting the adjustable straps and Ionic+ Antimicrobial Liner for a secure and comfortable fit.

3.4 Pairing with the Lumos App

Download the Lumos App from your smartphone's app store. Follow the in-app instructions to pair your helmet via Bluetooth. This enables customization of light patterns, battery monitoring, and access to smart features like crash detection.

Official Lumos video demonstrating the pairing process of the Nyxel Smart Bike Helmet with the Lumos mobile application, showcasing app features and connectivity.

3.5 Attaching the Lumos Remote

Use the provided silicone bands to securely attach the Lumos Remote to your bike's handlebar. Ensure it is within easy reach for activating turn signals during your ride.

Official Lumos video highlighting the smart features of the helmet, including the remote-controlled turn signals and automatic brake lights, emphasizing enhanced safety for cyclists.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off and Changing Light Modes

Press the power button on your helmet to turn it on or off. Short presses will cycle through different pre-set light modes. Further customization of light patterns, colors, and brightness is available via the Lumos App.

Official Lumos video showcasing the programmable LED lights and smart turn signals of the helmet, demonstrating various light patterns and their functionality.

4.2 Using Turn Signals

Press the left or right button on your Lumos Remote to activate the corresponding turn signal on your helmet. The signal will flash for a set duration or until manually deactivated, clearly indicating your intentions to other road users.

4.3 Automatic Brake Lights

When paired with the Lumos Remote, the helmet can detect sudden deceleration and automatically activate its rear lights as brake lights, warning traffic behind you. This feature significantly enhances safety during stops or sudden speed changes.

4.4 Team Sync Functionality

Through the Lumos App, you can enable Team Sync to coordinate your helmet's lights with other Lumos helmets in your group. This creates a unified and highly visible presence on the road.

5. MAINTENANCE

5.1 Cleaning Your Helmet

Clean the helmet shell with a soft, damp cloth and mild soap. Avoid harsh chemicals or abrasive materials that could damage the finish or electronic components. The internal padding can be removed and hand-washed with mild detergent, then air-dried.

5.2 Battery Care

Regularly charge your helmet to maintain optimal battery life. Avoid fully discharging the battery for extended periods. Store the helmet in a cool, dry place when not in use. The Nyxel features a replaceable battery module, contributing to a longer product lifespan and reduced waste.

5.3 Firmware Updates

Periodically check the Lumos App for available firmware updates. Keeping your helmet's firmware up-to-date ensures you have the latest features, performance enhancements, and bug fixes.

6. TROUBLESHOOTING

- **Helmet not turning on:** Ensure the battery is charged. Connect to the USB-C charger and check for

charging indicators.

- **Lights not working:** Check battery level. Verify light mode settings via the helmet button or Lumos App.
- **App connectivity issues:** Ensure Bluetooth is enabled on your smartphone and the helmet is in pairing mode. Try restarting both the helmet and the app. Ensure the helmet's firmware is updated.
- **Turn signals not responding:** Check if the Lumos Remote is paired correctly with the helmet. Ensure the remote's battery is functional.
- **Automatic brake lights not activating:** This feature requires the Lumos Remote to be paired and functioning. Ensure the helmet is worn correctly for accurate motion detection.

7. SPECIFICATIONS

Feature	Detail
Brand	Lumos
Model Name	Nyxel
Size	S (20.5 - 22in / 52 - 56cm)
Color	Black
Special Feature	MIPS Technology, Integrated LED Lights, Turn Signals
Outer Material	Plastic
Inner Material	Foam
Recommended Uses	Cycling
Item Package Dimensions	10.75 x 8.39 x 6.38 inches
Package Weight	0.67 Kilograms
Part Number	220033001
UPC	810059474994

8. WARRANTY AND SUPPORT

8.1 Warranty Information

For detailed warranty information, please refer to the warranty card included in your product packaging or visit the official Lumos website. Keep your proof of purchase for any warranty claims.

8.2 Contact Support

If you encounter any issues or have questions not covered in this manual, please contact Lumos customer support:

- Email: support@lumoshelmet.co

8.3 Lumos App Download

Download the Lumos App for full functionality and customization:

- [Google Play Store \(Android\)](#)
- [Apple App Store \(iOS\)](#)