

SUPERNOVA 07104847

Supernova E3 PURE 3 Dynamo Headlight

INSTRUCTION MANUAL

Introduction

The Supernova E3 PURE 3 Dynamo Headlight is an advanced lighting solution designed for bicycles, offering exceptional brightness and reliability. Its minimalist and chic design integrates seamlessly with your bike, providing continuous illumination for both day and night riding. Engineered with the unique Terraflux 3 lens, this headlight optimizes light distribution without the need for complex electronics, ensuring a clear and safe path ahead. The "Upside Down" version allows for versatile mounting options, including under the handlebars.



Figure 1: The Supernova E3 PURE 3 Dynamo Headlight, showcasing its compact and sleek design. This model is designed for bicycle use, providing powerful illumination.

Setup and Installation

Proper installation is crucial for the optimal performance of your Supernova E3 PURE 3 headlight. This dynamo-powered light requires connection to your bicycle's dynamo system.

Mounting the Headlight

- Identify a suitable mounting location on your bicycle. The "Upside Down" version is specifically designed for mounting under the handlebars, but other secure locations may be possible depending on your bike's configuration.
- Use the provided mounting hardware (screws and zip ties) to securely attach the headlight bracket to your bicycle. Ensure the light is firmly fixed and does not obstruct steering or other controls.



Figure 2: Included mounting accessories for the Supernova E3 PURE 3 headlight, featuring durable zip ties for cable management and screws for secure attachment.

Electrical Connections

Connect the headlight to your bicycle's dynamo. The headlight features two main cable connections:

- **Dynamo Connection:** The cable leading to the dynamo is approximately 980 mm long. Connect this cable securely to your bicycle's dynamo output.
- **Taillight Connection:** If you are also connecting a Supernova taillight, use the dedicated cable for the taillight, which is approximately 1080 mm long. Connect this to your Supernova taillight.

Ensure all connections are tight and protected from moisture and physical damage. Route cables neatly along the bicycle frame using the provided zip ties to prevent snagging or interference.



Figure 3: A close-up of the rear of the Supernova E3 PURE 3 headlight, illustrating the cable entry points for the dynamo and taillight connections. Key specifications like voltage and wattage are visible.

Operating Instructions

The Supernova E3 PURE 3 headlight is designed for simplicity and efficiency, featuring a fully automatic operation.

- **Automatic Function:** This headlight operates without a manual switch. It automatically turns on when the bicycle is in motion and the dynamo generates power.
- **Continuous Light:** The E3 PURE 3 provides continuous light, ensuring visibility and safety during both day and night riding conditions.
- **Terraflux 3 Lens:** The unique Terraflux 3 lens optimizes the light beam, providing excellent illumination of the road ahead while also ensuring you are visible to others.
- **Parking Light:** After stopping, the headlight features a 5-minute parking light function, maintaining illumination for a short period to enhance safety when stationary.

Maintenance

To ensure the longevity and optimal performance of your Supernova E3 PURE 3 headlight, follow these simple maintenance guidelines:

- **Cleaning:** Regularly wipe the lens and housing with a soft, damp cloth to remove dirt and grime. Avoid abrasive

cleaners or solvents that could damage the finish or lens.

- **Cable Inspection:** Periodically check all cable connections for tightness and signs of wear or damage. Ensure cables are securely routed and not exposed to sharp edges or excessive tension.
- **Mounting Security:** Verify that the headlight remains securely mounted to your bicycle. Tighten any loose screws or fasteners as needed.
- **Storage:** If storing your bicycle for an extended period, ensure the headlight is clean and dry.

Troubleshooting

If you experience issues with your Supernova E3 PURE 3 headlight, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on when riding.	Loose or disconnected dynamo cable. Dynamo malfunction. Internal wiring issue.	Check the connection between the headlight and the dynamo. Ensure it is secure. Verify your dynamo is functioning correctly (e.g., by testing with another light if possible). If issues persist, contact Supernova customer support.
Light flickers or is dim.	Poor dynamo connection. Dirty lens. Insufficient speed for full brightness.	Check and secure all electrical connections. Clean the headlight lens thoroughly. Ensure you are riding at a sufficient speed for the dynamo to generate full power.

Specifications

Feature	Detail
Brand	SUPERNOVA
Model Number	07104847 (N-P3SU-MBLK)
ASIN	B09NRV2CVT
Color	Black
Light Source Type	LED
Material Type	Anodized Aluminum
Dimensions (approx.)	49 x 41 x 41 mm
Weight (without holder)	90 g
Lumen Output	205 lumens (warm measured, at 25 km/h with 26-inch wheel)
Cable Length (to dynamo)	980 mm
Cable Length (to taillight)	1080 mm
Special Features	Switch-free, fully automatic, Terraflux 3 lens, 5-minute parking light.
First Available Date	March 25, 2022

Warranty and Support

Supernova products are manufactured to high quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Supernova website. In case of technical issues or questions not covered in this manual, please contact Supernova customer support for assistance.

Please retain this manual for future reference.