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AXA Echo 15

AXA Echo 15 Front Light User Manual

Model: Echo 15 (LAA016)

1. INTRODUCTION

Thank you for choosing the AXA Echo 15 Front Light. This universal dynamo headlight is designed to provide reliable illumination for your bicycle, enhancing your visibility and safety on the road. With a powerful 15 Lux LED light, integrated reflector, and compatibility with various power sources, the Echo 15 is a versatile and durable choice for cyclists.

Key Features:

- High power 15 lux LED light with a lifespan of more than 50,000 hours.
- Integrated retro reflector for improved visibility to oncoming traffic.
- Ergonomic switch button for easy operation.
- Compatible with 6V e-bike batteries.
- Suitable for use with both standard and hub dynamos.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installing and using the AXA Echo 15 Front Light. Failure to follow these instructions may result in injury or damage to the product.

- **Do not look directly into the light beam** when the light is on, as it can cause temporary vision impairment.
- Ensure the light is securely mounted and does not obstruct your view or interfere with bicycle controls.
- This product is **Not Water Resistant**. Avoid exposing the light to heavy rain or submerging it in water.
- Keep out of reach of children.
- All electrical connections should be made by a competent person to avoid short circuits or damage.

3. PACKAGE CONTENTS

The AXA Echo 15 Front Light package contains the following items:

- 1x AXA Echo 15 Head Light

Please check that all components are present and undamaged before proceeding with installation.

4. SETUP AND INSTALLATION

The AXA Echo 15 Front Light is designed for handlebar mounting and can be powered by a dynamo or a 6V e-bike battery.

4.1 Mounting the Light

1. Identify a suitable mounting position on your bicycle's handlebar or front fork crown. The light comes with a sturdy mounting bracket.
2. Attach the light's mounting bracket to the chosen position using appropriate tools. Ensure it is tightened securely to prevent movement during cycling.



Figure 4.1: Side view of the AXA Echo 15 Front Light, highlighting the robust mounting bracket for secure attachment to your bicycle.



Figure 4.2: The AXA Echo 15 Front Light, showcasing its compact design and integrated mounting bracket ready for installation.



Figure 4.3: The AXA Echo 15 Front Light mounted on the front fork of a bicycle, demonstrating its typical installed position.

4.2 Electrical Connection

The Echo 15 can be connected to a bicycle dynamo or a 6V e-bike battery system. Refer to the diagram on the back of the light for correct polarity.

1. For dynamo connection: Connect the dynamo wires to the designated terminals on the back of the light. Ensure a secure and insulated connection.
2. For 6V e-bike battery connection: Connect the light to your e-bike's 6V lighting output. Consult your e-bike's manual for specific wiring instructions.



Figure 4.4: Rear view of the AXA Echo 15 Front Light, showing the clearly marked terminals for electrical connections to a dynamo or e-bike battery.

5. OPERATING INSTRUCTIONS

The AXA Echo 15 Front Light features a simple ergonomic switch button for operation.

1. Once properly installed and connected to a power source (dynamo or 6V e-bike battery), the light is ready for use.
2. To turn the light **ON**, press the ergonomic switch button located on the top or side of the light.
3. To turn the light **OFF**, press the switch button again.



Figure 5.1: Front view of the AXA Echo 15 Front Light, illustrating the clear lens and reflector designed for optimal light output and visibility.

Note: When powered by a dynamo, the light's brightness will vary with your cycling speed. For consistent illumination, ensure your dynamo is functioning correctly.

6. MAINTENANCE

To ensure the longevity and optimal performance of your AXA Echo 15 Front Light, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the light's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the plastic housing or lens.

- **Inspection:** Periodically check the mounting bracket and electrical connections for tightness and signs of wear. Re-tighten any loose screws and replace damaged wires if necessary.
- **Storage:** If storing your bicycle for an extended period, ensure the light is clean and dry. Store in a cool, dry place.

The LED light source is designed for a long lifespan (50,000+ hours) and is not user-replaceable.

7. TROUBLESHOOTING

If you encounter issues with your AXA Echo 15 Front Light, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply, loose connection, or faulty switch.	Check dynamo or e-bike battery connection. Ensure wires are securely attached. Press the switch firmly.
Light is dim or flickers.	Insufficient power from dynamo (low speed) or poor connection.	Increase cycling speed if using a dynamo. Check all electrical connections for corrosion or looseness.
Light falls off or moves.	Loose mounting bracket.	Re-tighten the mounting screws. Ensure the bracket is correctly positioned.

If the problem persists after attempting these solutions, please contact AXA customer support.

8. SPECIFICATIONS

Detailed technical specifications for the AXA Echo 15 Front Light:

Specification	Value
Model Name	Echo 15
Part Number	LAA016
Brightness	15 lux
Light Source	LED
Power Source	Dynamo / 6V E-bike Battery
Material	Plastic
Color	Black
Mounting Type	Handlebar Mount
Item Weight	0.08 Grams
Item Dimensions (LxWxH)	4.13 x 1.77 x 1.97 inches
Water Resistance Level	Not Water Resistant
International Protection Rating	IPX6

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The AXA Echo 15 Front Light comes with a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage resulting from improper installation, misuse, neglect, accidents, or unauthorized modifications.

9.2 Customer Support

For technical assistance, warranty claims, or any other inquiries regarding your AXA Echo 15 Front Light, please contact AXA customer service through their official website or the retailer from whom you purchased the product. Please have your product model name (Echo 15) and part number (LAA016) ready when contacting support.