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busch+müller Secuzed Plus

busch+müller Secuzed Plus Rear Light Instruction Manual

Model: Secuzed Plus (Part No. 202441)

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1. INTRODUCTION

Thank you for choosing the busch+müller Secuzed Plus Rear Light. This manual provides essential information for the safe and efficient use of your new bicycle rear light. Please read these instructions carefully before installation and operation, and retain them for future reference.

The Secuzed Plus is designed to enhance your visibility and safety on the road, featuring 10 LEDs, an integrated reflector, and a parking light function. It is suitable for 6-12V DC power sources, typically found on e-bikes or dynamo systems.

2. SAFETY INFORMATION

- Always ensure the light is securely mounted before riding. A loose light can fall off and cause distraction or damage.
- Connect the light only to a compatible 6-12V DC power source. Incorrect voltage can damage the light.
- Do not look directly into the light when it is on, as it can cause temporary vision impairment.
- Regularly check the functionality of the light, especially before night rides.
- Keep the light clean to ensure maximum visibility and performance.
- This product is water resistant (IPX6), but it is not designed for submersion. Avoid high-pressure water jets.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- busch+müller Secuzed Plus Rear Light (1 unit)
- Mounting bracket (1 unit)
- Mounting screw and nut (1 set)
- Cable ties (2 units)

- Hex key (1 unit)
- Connection cable (pre-attached or separate, depending on model variant)



Image: All components included with the Secuzed Plus Rear Light, showing the light unit, mounting hardware, and wiring.

4. SETUP AND INSTALLATION

4.1 Mounting the Rear Light

1. **Choose Mounting Location:** The Secuzed Plus is designed for seat post mounting (Sitzmontage). Ensure the chosen location provides clear visibility from the rear and does not interfere with bicycle operation or rider movement.
2. **Attach Mounting Bracket:** Secure the provided mounting bracket to your bicycle's seat post using the supplied screw and nut. Use the hex key to tighten the screw firmly. Ensure the bracket is oriented correctly so the light will face directly backward.
3. **Install Rear Light:** Slide the Secuzed Plus rear light onto the mounting bracket until it clicks securely into place. Verify that it is firmly attached and does not wobble.



Image: The Secuzed Plus Rear Light showing the electrical connection wires.

4.2 Electrical Connection

The Secuzed Plus Rear Light operates on a 6-12V DC power supply. This is typically provided by an e-bike battery system or a dynamo. Consult your bicycle's manual for specific wiring instructions for accessories.

1. **Identify Power Source:** Locate the designated 6-12V DC output for accessories on your e-bike or dynamo system.
2. **Connect Wires:** Connect the two wires from the Secuzed Plus Rear Light to the corresponding positive and negative terminals of your bicycle's power source. Ensure a secure and insulated connection to prevent short circuits. If unsure, consult a qualified bicycle mechanic.
3. **Secure Cables:** Use the provided cable ties to neatly route and secure the wiring along your bicycle frame, preventing them from snagging or interfering with moving parts.

Note: The light is designed for DC power. Connecting it to an AC power source or a voltage outside the 6-12V range may damage the unit.

5. OPERATING INSTRUCTIONS

The Secuzed Plus Rear Light features automatic operation and a parking light function.

5.1 Turning On/Off

- The light typically turns on automatically when power is supplied from your e-bike system or dynamo, and the bicycle is in motion or the e-bike system is active.
- To turn off the light, you will usually need to switch off the power supply from your e-bike system or stop riding if connected to a dynamo. Refer to your bicycle's manual for specific controls related to accessory power.

5.2 Parking Light Function

The integrated parking light function keeps the rear light illuminated for a period after the bicycle stops or the main power supply is interrupted. This feature enhances safety when you are stopped at traffic lights or taking a break.

- The parking light activates automatically. There are no manual controls for this function on the light itself.
- The duration of the parking light illumination depends on the internal capacitor charge.



Image: Side view of the Secuzed Plus Rear Light, indicating its power specifications.

6. MAINTENANCE

6.1 Cleaning

- Clean the light regularly with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or high-pressure water jets, as these can damage the housing or electronics.
- Ensure the reflector surface is clean for optimal visibility.

6.2 Inspection

- Periodically check the mounting for tightness and ensure the light is securely attached.
- Inspect the wiring for any signs of wear, fraying, or damage. Replace damaged cables immediately to prevent electrical issues.

Note: The Secuzed Plus Rear Light does not contain user-serviceable parts or replaceable batteries. Any internal repairs should only be performed by qualified personnel.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on.	No power supply or incorrect connection.	Check the power connection to your e-bike or dynamo system. Ensure wires are securely connected and insulated. Verify the e-bike system is on or the dynamo is generating power.
Light flickers or is dim.	Loose connection or insufficient power.	Inspect all electrical connections for looseness. Ensure the power source is providing stable 6-12V DC. Clean any corrosion on terminals.
Parking light does not work.	Insufficient charge in the internal capacitor.	Ride for a longer period to allow the capacitor to fully charge. If the issue persists, there might be an internal fault.
Light is loose on the mount.	Mounting screw is loose or light not fully engaged.	Tighten the mounting screw on the seat post bracket. Ensure the light is fully clicked into the bracket.

If you experience issues not listed here or if the suggested solutions do not resolve the problem, please contact busch+müller customer support or a qualified bicycle mechanic.

8. SPECIFICATIONS

Model Name	Secuzed Plus
Part Number	202441
Brand	busch+müller
Color	Red
Light Source	10 LEDs
Power Source	Battery Powered (6-12V DC)
Functions	Rear Light, Reflector, Parking Light
Mounting Type	Sitzmontage (Seat Post Mounting)
Water Resistance Level	IPX6 (Water Resistant)
Material	Other (Durable plastic/composite)
Package Weight	0.09 Kilograms (approx. 250g as per feature bullets)
Item Package Dimensions	8.66 x 4.09 x 2.72 inches

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Specific warranty terms and conditions for the busch+müller Secuzed Plus Rear Light are typically provided with your purchase documentation or can be found on the official busch+müller website. Please retain your proof of purchase for any warranty claims.

The warranty generally covers manufacturing defects under normal use. It does not cover damage resulting from improper installation, misuse, accidents, modifications, or normal wear and tear.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact busch+müller customer support through their official website or the retailer from whom you purchased the product. When contacting support, please have your product model (Secuzed Plus) and part number (202441) ready.

Official busch+müller Website: www.bumm.de

