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Sigma Buster 700

Sigma Buster 700 Front Lighting

USER MANUAL

Model: Buster 700 | Brand: Sigma

1. INTRODUCTION

The Sigma Buster 700 is a robust and powerful high-end bicycle front light designed to provide excellent visibility and illumination for cyclists. With an intensity of 700 Lumens, it ensures maximum visibility in various riding conditions, from urban areas to off-road trails. Its compact and lightweight design, combined with a long-lasting lithium-ion battery, makes it an ideal companion for any ride. This manual provides essential information for the proper installation, operation, and maintenance of your Buster 700 light.



Image: The Sigma Buster 700 light in use by a cyclist, highlighting its powerful illumination.

2. PACKAGE CONTENTS

Please check the package for the following items:

- Sigma Buster 700 Front Light
- USB Charging Cable
- Handlebar Mount
- Action Camera Mount Adapter

3. SETUP AND INSTALLATION

The Sigma Buster 700 comes with a versatile mounting system for easy installation on your bicycle's handlebar or helmet.

3.1 Handlebar Mounting

The supplied handlebar bracket is designed for tool-free assembly and is suitable for various handlebar sizes, including oversized handlebars. Simply attach the mount to your handlebar and secure the light.



Image: The Sigma Buster 700 light securely attached to a bicycle handlebar.

3.2 Helmet Mounting (Optional)

Utilize the included Action Camera Mount Adapter to attach the Buster 700 to a compatible helmet mount for an elevated light position.



Image: The Sigma Buster 700 light attached to a helmet mount.

4. OPERATING INSTRUCTIONS

The Buster 700 features an intuitive operation button for easy control, even when wearing gloves.

4.1 Power On/Off

To prevent accidental activation, the light is equipped with a lamp ignition protection feature. **Double-click** the power button to turn the light ON. To turn the light OFF, press and hold the power button for approximately 2 seconds.



Image: Illustration showing the double-click action required to activate the light.

4.2 Switching Modes

Once the light is on, press the power button once to cycle through the different lighting modes:

- **Power Mode:** 700 Lumens (maximum brightness)
- **Standard Mode:** 350 Lumens
- **Eco Mode:** 170 Lumens (energy-saving)
- **Flash Mode:** Flashing light for increased visibility

5. CHARGING

The Sigma Buster 700 is equipped with a compact lithium-ion battery that can be charged quickly using the supplied Micro-USB cable.

5.1 Charging Process

1. Locate the Micro-USB charging port on the rear of the light.
2. Open the protective cover of the charging port.
3. Connect the Micro-USB cable to the light and the other end to a USB power source (e.g., computer, USB wall adapter).
4. The charging indicator will show the charging status.
5. A full charge takes approximately 4.5 hours. Charging is possible even during operation.



Image: The Micro-USB charging port located at the rear of the Sigma Buster 700.

5.2 Battery Indicator

The Buster 700 features a two-level charging indicator to keep you informed about the battery status:

- **Green Light:** Battery charge is above 70%.
- **Orange Light:** Battery charge is between 31% and 70%.
- **Red Light:** Battery charge is below 30%. Recharge the device soon.



Image: Visual representation of the two-level battery charge indicator on the light.

6. MODES AND BATTERY LIFE

The Buster 700 offers various modes to suit your lighting needs, each with a different battery runtime:

Mode	Brightness	Approximate Battery Life
Power	700 Lumens	2 hours
Standard	350 Lumens	4 hours
Eco	170 Lumens	8 hours
Flash	Up to 700 Lumens (intermittent)	18 hours



Image: Diagram illustrating the different light modes, their lumens, and battery runtimes, along with cooling ribs for heat dissipation.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Sigma Buster 700, follow these maintenance guidelines:

- **Cleaning:** Wipe the light body and lens with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Water Resistance:** The light is rated IPX4, meaning it withstands splashes from any direction. Do not submerge the light in water. Ensure the USB port cover is securely closed when not charging to maintain water resistance.
- **Storage:** Store the light in a cool, dry place when not in use. For long-term storage, charge the battery to about 50% every few months to preserve battery health.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge as soon as the low battery indicator appears.

8. TROUBLESHOOTING

If you encounter issues with your Sigma Buster 700, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	Low battery; Ignition protection not disengaged.	Charge the battery. Double-click the power button firmly to turn on.
Light does not charge.	Faulty USB cable or power source; Loose connection.	Try a different USB cable or power adapter. Ensure the cable is securely connected to both the light and the power source.
Light output is dim.	Low battery; Lens is dirty.	Recharge the battery. Clean the lens with a soft cloth.
Battery life is shorter than expected.	Operating in high-power modes; Battery degradation over time.	Use Eco or Standard mode for longer runtimes. Ensure full charge before use.

If the problem persists after trying these solutions, please contact Sigma Sport customer support.

9. SPECIFICATIONS

Feature	Detail
Model Name	Buster 700
Part Number	SG19700
Brightness	700 Lumens (Max)
Visibility	100 meters
Power Source	Battery Powered (Lithium-ion)
Charging Time	Approx. 4.5 hours
Water Resistance Level	IPX4 (Splashproof)
Material	Plastic

Feature	Detail
Item Weight	0.15 Kilograms
Product Dimensions	2.52" L x 5.67" W x 4.09" H
Mounting Type	Handlebar Mount

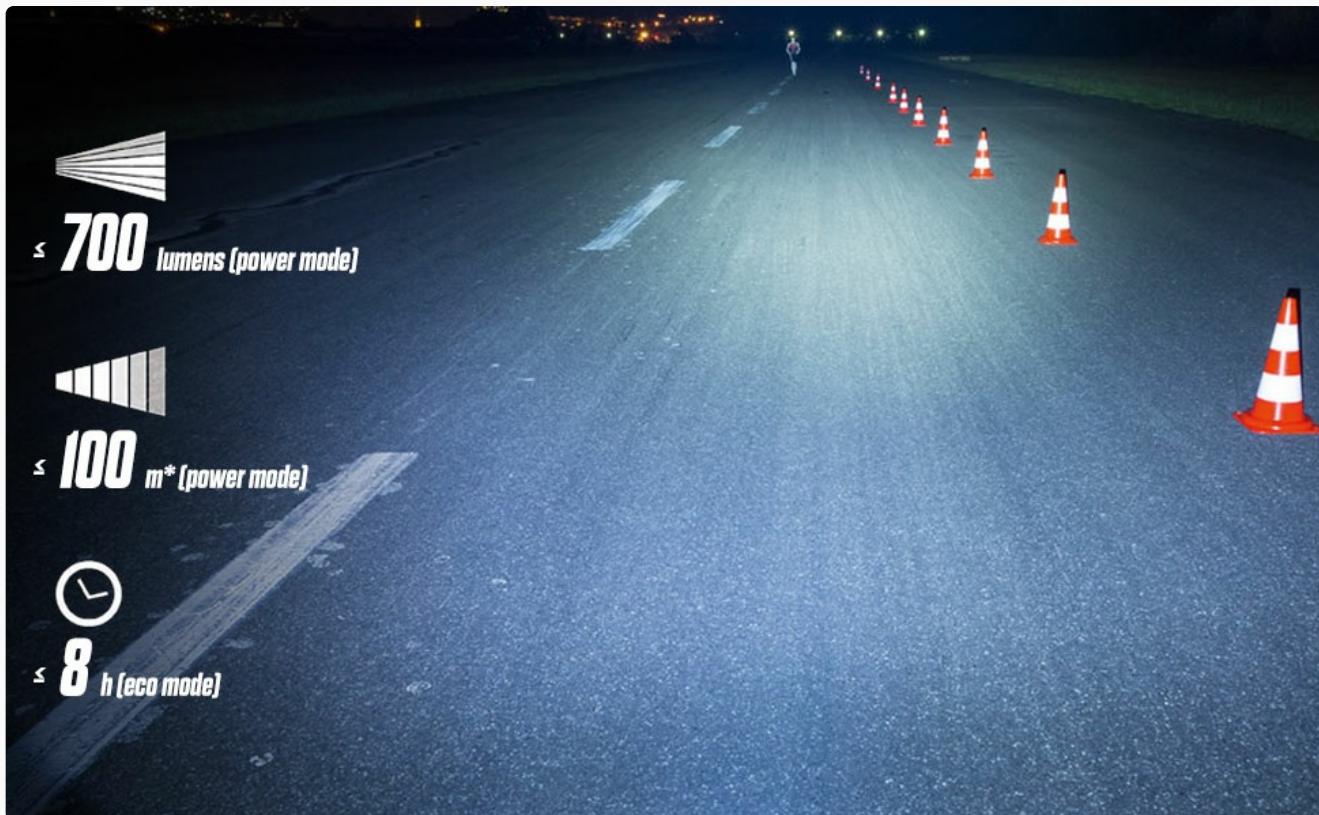


Image: Illustration demonstrating the 100-meter visibility range of the Buster 700 in power mode.

10. SAFETY INFORMATION

Please read and follow these safety precautions to ensure safe operation of your Sigma Buster 700:

- Do not look directly into the light beam when it is on, as it can cause temporary vision impairment.
- Ensure the light is securely mounted before each ride to prevent it from falling off.
- Do not disassemble or modify the light. This can void the warranty and pose a safety risk.
- Keep the light away from extreme temperatures and direct sunlight.
- Dispose of the battery responsibly according to local regulations.

11. WARRANTY AND SUPPORT

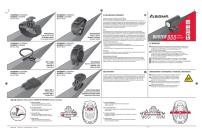
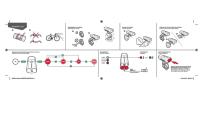
Sigma Sport products are known for their quality and reliability. The Buster 700 is designed for durability and performance.

Warranty: Spare part availability is typically supported for 2 years from the date of purchase within the EU. For specific warranty terms and conditions, please refer to the official Sigma Sport website or contact your local dealer.

Customer Support: For further assistance, technical support, or inquiries about your Sigma Buster 700, please visit the official Sigma Sport store or contact their customer service department.

Visit the [Sigma Store on Amazon](#) for more information and products.

Related Documents - Buster 700

	<p>SIGMA BUSTER 400 HL Bike Headlight User Manual and Features</p> <p>User manual and feature guide for the SIGMA BUSTER 400 HL bike headlight. Details mounting, operation modes, battery life, charging, technical specifications, and safety warnings for cyclists.</p>
	<p>SIGMA BUSTER 800 Front Bike Light User Manual and Specifications</p> <p>Comprehensive user manual for the SIGMA BUSTER 800 front bicycle headlight. Covers mounting options (helmet, handlebar), operation modes, profile selection, battery status, charging, technical specifications, and safety compliance. Includes detailed textual descriptions of diagrams and features.</p>
	<p>SIGMA BUSTER 800 Front Bike Light - User Manual and Technical Information</p> <p>Comprehensive user manual for the SIGMA BUSTER 800 front bike light. Includes mounting instructions for helmets and handlebars, mode details, technical specifications, battery information, charging procedures, safety warnings, and regulatory compliance information.</p>
	<p>Sigma Buster 100 Bicycle Headlight: Operation, Features, and Accessories</p> <p>Comprehensive guide to the Sigma Buster 100 bicycle headlight, covering operation modes, battery status, charging, mounting options, and available accessories. Includes technical specifications and manufacturer details.</p>
	<p>SIGMA BUSTER 800 HL Headlight User Manual and Technical Specifications</p> <p>Comprehensive user manual and technical details for the SIGMA BUSTER 800 HL LED headlight, covering features, operation, mounting, charging, and regulatory compliance.</p>
	<p>Sigma Buster 300 LED Bike Light - User Manual and Specifications</p> <p>Official user manual and technical information for the Sigma Buster 300 LED bicycle light. Includes mounting instructions, operation details, battery status, charging guide, splash resistance, and accessory list. Features EU Declaration of Conformity and CE information.</p>