509 Sinister XL7 Ignite S1

509 Sinister XL7 Ignite S1 Snow Goggle Instruction Manual

Model: Sinister XL7 Ignite S1
Brand: 509

Introduction

The 509 Sinister XL7 Ignite S1 Snow Goggle is engineered for superior vision clarity and comfort in snow environments. Key features include a heated inner lens, increased face foam for larger helmet sizes, a quick-change magnetic lens system, and a frame-integrated fan for fog prevention. This goggle is designed to enhance your snowmobiling experience by providing clear vision and a comfortable fit. Please note, this goggle does not include night vision technology.



Image: The 509 Sinister XL7 Ignite S1 Snow Goggle in Black Ops, showcasing its design and lens.

Key Features:

- **Heated Inner Lens:** Provides premium vision clarity by preventing fogging.
- **Increased Face Foam:** 20% more face foam for compatibility with 2X+ helmet sizes.
- **Magnetic Lens Connection:** Allows for quick and easy lens changes to adapt to varying light conditions.
- **Frame-Integrated Fan:** Offers reliable fog prevention.
- **OTG (Over The Glasses) Compatible:** Designed to fit comfortably over prescription glasses.
- **Shuttered Venting:** Adjustable vents in the frame scoop air in or close off flow as needed.
- **Advanced Lens Technologies:** Includes polarized, HCS, and photochromatic options for improved tints, low light visibility, and contrast.

Setup

Lens Installation and Removal:

The 509 Sinister XL7 Ignite S1 Goggle features a magnetic lens system for quick and effortless lens changes. This allows you to easily swap lenses to match different lighting conditions, such as transitioning from bright daylight to low light or nighttime.

1. **To Remove a Lens:** Gently pull the lens away from the goggle frame. The magnetic connection will release, allowing the lens to detach.
2. **To Install a Lens:** Align the new lens with the goggle frame. The magnets will guide the lens into place, securing it firmly. Ensure all edges are properly seated.



Image: A close-up view of the goggle frame, highlighting the magnetic lens attachment points for easy lens changes.

Adjusting the Strap:

The goggle features an adjustable strap for a secure and comfortable fit over various helmet sizes. Adjust the strap length to ensure the goggle sits snugly on your face without excessive pressure.

Operating Instructions

Using Photochromatic Lenses:

If your goggle is equipped with photochromatic lenses, they will automatically adjust their tint based on the intensity of UV light. In brighter conditions, the lenses will darken to reduce glare and protect your eyes. In dimmer conditions, such as at night or in overcast weather, the lenses will become clearer to maximize visibility. This dynamic adjustment ensures optimal vision without the need to manually change lenses as frequently.

Utilizing Shuttered Venting:

The goggle's frame includes shuttered venting at the bottom. These vents can be adjusted to control airflow. Open the vents to increase air circulation and reduce fogging, especially during strenuous activity. Close the vents to minimize cold air entry in extremely cold or windy conditions.

Heated Inner Lens Operation:

The integrated heated inner lens actively prevents fogging, ensuring clear vision even in challenging conditions. Refer to the specific instructions provided with your goggle for details on activating and managing the heated lens function, including battery life and charging if applicable.

Maintenance

Cleaning Instructions:

- Clean the goggle lenses and frame gently with a soft, non-abrasive cloth.
- For stubborn dirt or smudges, use a mild soap solution and rinse with clean water.
- Avoid using harsh chemicals, abrasive cleaners, or paper towels, as these can damage the lens coatings.
- Allow the goggle to air dry completely before storage.

Storage:

Store your goggle in a protective pouch or case when not in use to prevent scratches. Avoid exposing the goggle to extreme temperatures, both hot and cold, for prolonged periods, as this can affect the materials and lens performance.

Troubleshooting

If you encounter any issues with your 509 Sinister XL7 Ignite S1 Snow Goggle, please refer to the following general advice:

- **Fogging:** Ensure the shuttered vents are open for maximum airflow. If equipped, verify the heated lens system is active and functioning correctly.
- **Lens Clarity:** Check for smudges or dirt on the lens and clean according to the maintenance instructions. Ensure the lens is securely seated in the magnetic frame.
- **Fit Issues:** Adjust the goggle strap for a snug but comfortable fit. Ensure the goggle is compatible with your helmet size.

For persistent problems or specific technical support, please contact 509 customer service.

Specifications

Model Name	Sinister XL7 Ignite S1 Snow Goggle
Item Model Number	F02012900
Brand	509
Manufacturer	509 US
Department	Unisex-Adult
Size	One Size
Color	Black Ops
Lens Color	Black
Item Dimensions (LxWxH)	9.5 x 4.5 x 4.5 inches
Material	Polycarbonate
Frame Material	Polycarbonate (PC)
Lens Material	Polycarbonate
Lens Coating	Polarized Coating
Polarization Type	Polarized
UV Protection	True
Special Features	Adjustable Strap
Compatible Vehicle Type	Snowmobile
Included Components	Protective Goggles
UPC	843614181112
Compliance	US Federal Motor Vehicle Safety Standard 218 (FMVSS 218) (DOT FMVSS No. 218 Certified)

Warranty and Support

The 509 Sinister XL7 Ignite S1 Snow Goggle comes with a **1-year warranty** from the date of purchase, covering manufacturing defects. For warranty claims, technical assistance, or any product-related inquiries, please contact 509 customer support.
You can find more information and support resources by visiting the official 509 store: 509 Official Store.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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