

Sena Outstar S

Sena Outstar S Helmet User Manual

Integrated Bluetooth and Intercom System

1. INTRODUCTION

This manual provides comprehensive instructions for the Sena Outstar S helmet, a smart visor helmet equipped with Sena's communication technology. The Outstar S is ECE certified and designed for immediate use without complex installation. It offers practical functionalities for communication with other riders and smartphone connectivity for GPS directions, music, and calls.

The Sena Outstar S integrates Bluetooth 5.0 for seamless smartphone pairing and a 4-way Bluetooth intercom system with a range of up to 900 meters and a talk time of 12 hours. It also features an integrated retractable sun visor for enhanced riding comfort and safety.



Image: The Sena Outstar S helmet, showcasing its sleek design and integrated communication unit on the side, set against a scenic outdoor background.

2. SETUP

2.1 Initial Charging

Before first use, fully charge the helmet's integrated battery. Connect the provided USB charging cable to the helmet's charging port and to a USB power source. The LED indicator will show charging status and turn off when fully charged. A full charge typically takes approximately 2.5 hours.

2.2 Bluetooth Pairing with Smartphone

1. Ensure the helmet is powered off.
2. Press and hold the **Phone Button** for 5 seconds until the LED flashes red and blue, indicating pairing mode.
3. On your smartphone, go to Bluetooth settings and search for new devices.
4. Select "Sena Outstar S" from the list of available devices.
5. If prompted, enter the PIN "0000".
6. Once paired, the LED will flash blue.

2.3 Intercom Pairing (Up to 4 Riders)

To establish a 4-way intercom connection, each helmet needs to be paired with the others. Follow these steps for each helmet:

1. Ensure both helmets are powered on.
2. On the first helmet, press and hold the **Intercom Button** for 5 seconds until the LED flashes red.
3. On the second helmet, repeat the same action.
4. The helmets will automatically connect. The LED will turn blue on both helmets once connected.
5. Repeat this process for additional helmets (up to 4 total) by pairing each new helmet with one of the already connected helmets.



Image: Frontal view of the Sena Outstar S helmet, showing the clear main visor in the open position and the integrated dark sun visor deployed.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

- **Power On:** Press and hold the **Center Button** and **Phone Button** for 1 second.
- **Power Off:** Press and hold the **Center Button** and **Phone Button** for 5 seconds.

3.2 Volume Control

- **Volume Up:** Rotate the **Jog Dial** clockwise.
- **Volume Down:** Rotate the **Jog Dial** counter-clockwise.

3.3 Music Playback

- **Play/Pause:** Press the **Center Button**.
- **Next Track:** Press and hold the **Center Button** for 2 seconds.

- **Previous Track:** Press and hold the **Phone Button** for 2 seconds.

3.4 Phone Calls

- **Answer Call:** Press the **Center Button**.
- **End Call:** Press and hold the **Center Button** for 2 seconds.
- **Reject Call:** Press and hold the **Phone Button** for 2 seconds.
- **Voice Dial:** Press the **Phone Button**.

3.5 Intercom Communication

- **Start/End Intercom:** Press the **Intercom Button**.
- The intercom system allows for 4-way communication with a range of up to 900 meters in open terrain.

3.6 Retractable Sun Visor

The integrated sun visor can be deployed or retracted using the lever located on the left side of the helmet. Push the lever down to deploy the sun visor and push it up to retract it.



Image: Side view of the Sena Outstar S helmet, showing the clear main visor in the closed position, protecting the rider's face.

4. MAINTENANCE

4.1 Helmet Cleaning

- **Exterior:** Use a soft, damp cloth with mild soap and water. Avoid abrasive cleaners or solvents.
- **Interior Padding:** Removable padding can be hand-washed with mild soap and water. Allow to air dry completely before reinserting.
- **Visors:** Clean with a soft cloth and clean water. Specialized visor cleaning solutions can be used. Do not use harsh chemicals.

4.2 Battery Care

- Charge the battery regularly, even if not in frequent use, to maintain battery health.
- Avoid storing the helmet in extreme temperatures (hot or cold) for extended periods.

4.3 Storage

Store the helmet in a cool, dry place away from direct sunlight and extreme temperatures. Use a helmet bag to protect it from dust and scratches.

5. TROUBLESHOOTING

5.1 No Power

- Ensure the battery is fully charged.
- Verify that the power button sequence is correctly followed (Press and hold **Center Button** and **Phone Button** for 1 second).

5.2 Bluetooth Pairing Issues

- Ensure the helmet is in pairing mode (LED flashing red and blue).
- Delete "Sena Outstar S" from your smartphone's Bluetooth device list and attempt to pair again.
- Try resetting the helmet to factory settings (refer to the full manual for specific steps, typically involves holding a combination of buttons for an extended period).

5.3 Intercom Not Connecting

- Ensure all helmets are within the specified intercom range (up to 900m).
- Verify that each helmet is correctly paired with at least one other helmet in the group.
- Check for any obstructions that might interfere with the signal.



Image: Top-down view of the Sena Outstar S helmet, highlighting the ventilation points and overall shell design.

6. SPECIFICATIONS

Feature	Detail
Model Name	Outstar S
Model Number	OUTSTARS-MB0XL
Bluetooth Version	Bluetooth 5.0

Intercom Range	Up to 900 meters (0.56 miles) in open terrain
Intercom Support	4-way intercom
Talk Time	12 hours
Main Material	Polycarbonate ABS
Certification	ECE 22.05
Battery Type	Lithium-polymer (included)
Closure Type	Ratchet
Color	Black
Size	XL

7. WARRANTY AND SUPPORT

Sena provides support for its products. Spare parts availability in the EU is indicated for 2 years from the date of purchase. For detailed warranty information, technical support, or service inquiries, please refer to the official Sena website or contact their customer service directly.

It is recommended to register your product on the Sena website to receive updates and access full support resources.

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