



USER GUIDE

Firmware Version: 1.3.x

Last updated on Oct 23, 2025

S1

SMART ROAD CYCLING HELMET



The firmware version 1.3.x indicates that this manual is applicable to all firmware updates within the version 1.3 series.

QUICK REFERENCE

 : (+) button

 : (-) button

 : Taillight button

 : Multi-function button

Type	Operation	Button	Duration
Basic operations	Power on	 & 	Press for 1 second
	Power off	 & 	Single tap
	Volume up/down	 or 	Single tap
	Taillight on/off		Single tap
Phone	Phone pairing		Press for 5 seconds
	Answer phone call		Single tap
	End phone call		Press for 2 seconds
	Reject phone call		Press for 2 seconds
	Activate voice assistant		Press for 3 seconds
	Speed dial		Press for 3 seconds
	Play/Pause music		Press for 1 second
	Track forward/back	 or 	Press for 1 second
Mesh Intercom™	Mesh Intercom on/off		Single tap
	Mute/Unmute mic		Press for 1 second
	Channel selection		Double tap
	Mesh grouping		Press for 5 seconds
	Reset mesh		Press for 8 seconds
Factory reset			Press for 10 seconds

BEFORE GETTING STARTED

I Sena Cycling App

Download the Sena Cycling app from the Google Play Store or the App Store.



CLICK ANY SECTION TO BEGIN



ABOUT THE S1



BASIC OPERATION



MESH INTERCOM



USING WITH A
SMARTPHONE



FIRMWARE UPDATE



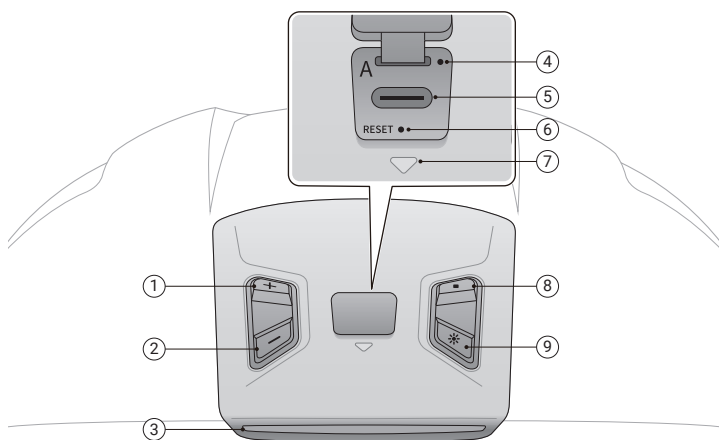
TROUBLESHOOTING



01 ABOUT THE S1

Key Features

- Mesh Intercom 3.0 - delivers improved sound quality, a more robust connection, and extended talk time
- LED taillight
- Advanced Noise Control™
- Bluetooth® version 5.2
- Over-the-Air (OTA) firmware update



① (+) button

② (-) button

③ Taillight

④ Charging LED

⑤ USB-C charging port

⑥ Reset pinhole

⑦ Status LED

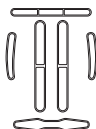
⑧ Multi-function button

⑨ Taillight button

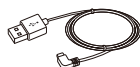
Package Contents



S1



Extra thin inner liner

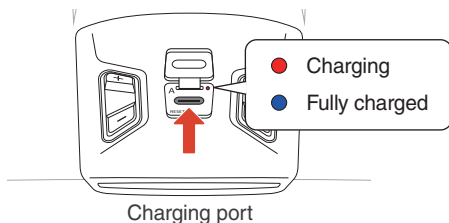


USB-C charging cable

02 BASIC OPERATION

	Tap Tap the button the specified number of times
	Press and Hold Press and hold the button for the specified amount of time
	Voice Prompt
	LED

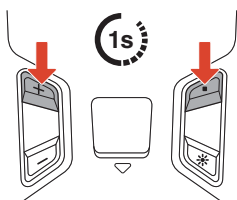
Charging



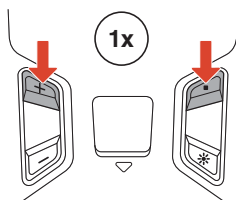
It takes 2.5 hours to fully charge.

- The S1 automatically powers off during charging for safety reasons.
- Any third-party USB charger can be used, as long as it is approved by the FCC, CE, IC, or other locally recognized regulatory agencies.
- Using a non-approved charger may cause fire, explosion, leakage, and other hazards, potentially reducing the battery's lifespan or performance.

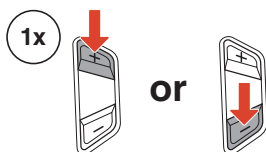
Power On



Power Off



Volume



Taillight On/Off



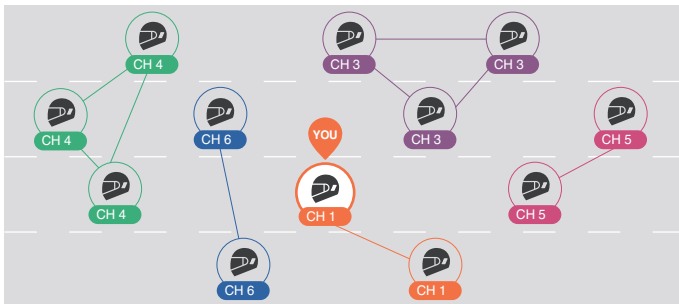
The taillight can be customized through the Sena Cycling app. The brake light activates automatically when braking is detected.

03 MESH INTERCOM

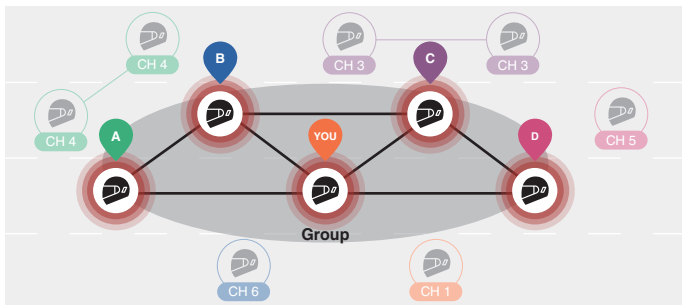
The S1 provides two Mesh Intercom modes:

- Open Mesh™ for open group intercom conversations.
- Group Mesh™ for private group intercom conversations.

Open Mesh



Group Mesh



Mesh Version Switch

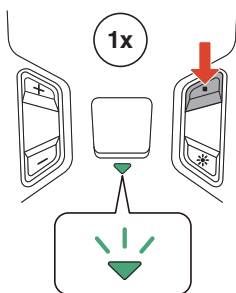
Switch to Mesh 2.0 for Backward Compatibility

Mesh 3.0 is the latest Mesh Intercom technology, but to communicate with legacy products using Mesh 2.0, please switch to Mesh 2.0 using the Sena Cycling app.

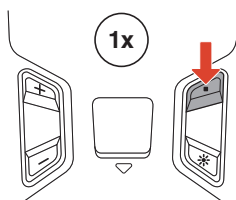
Open Mesh

You can freely communicate with virtually unlimited users in each of the 6 available channels. The default Mesh Intercom channel is 1.

Mesh Intercom On/Off



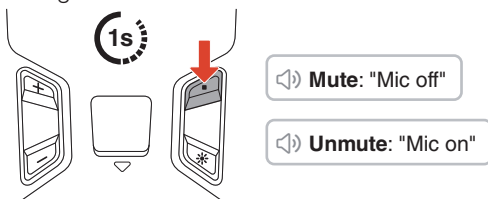
On: "Mesh Intercom on, Open Mesh, channel 1"



Off: "Mesh intercom off"

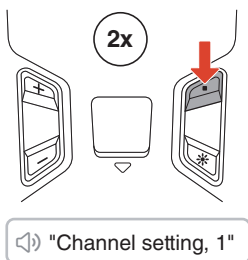
Mute/Unmute Mic

Press the multi-function button for 1 second to mute/unmute the microphone during Mesh Intercom communication.

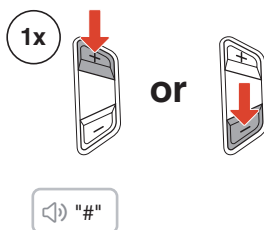


Channel Selection

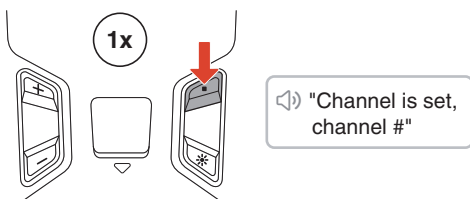
1. Enter the channel setting.



2. Navigate between channels.



3. Confirm and save the channel.

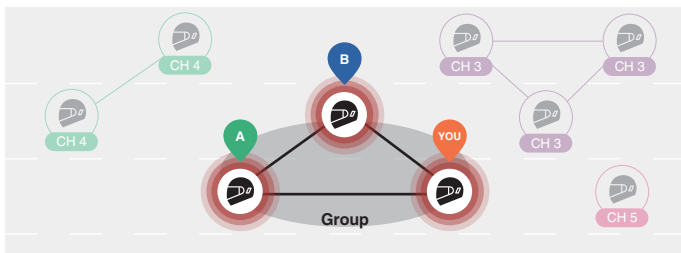


- The channel will be automatically saved if no buttons are pressed for 10 seconds on a specific channel.
- The channel will be saved even if the S1 is turned off.

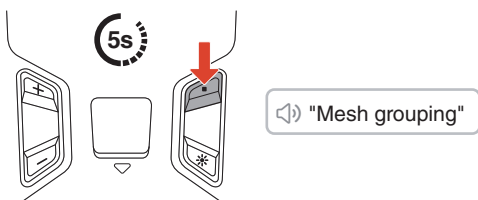
Group Mesh

By using group mesh, a private conversation group can be created for up to 24 participants.

Create a Group Mesh



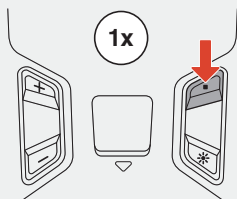
1. Users (You, A, and B) enter the mesh grouping by pressing the multi-function button for 5 seconds while staying in the open mesh. They don't need to be on the same open mesh channel to create a group mesh together.



2. When mesh grouping is completed, it automatically switches from open mesh to group mesh.

"Group Mesh"

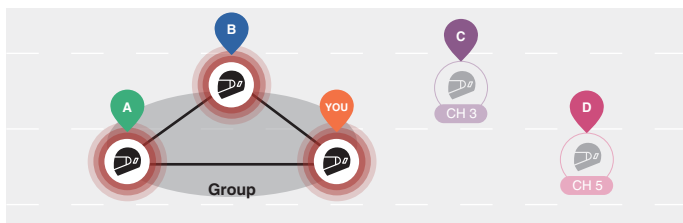
- If you want to cancel mesh grouping, tap the multi-function button.



- If the mesh grouping is not successfully completed within 30 seconds, users will hear a voice prompt saying, "Grouping failed."

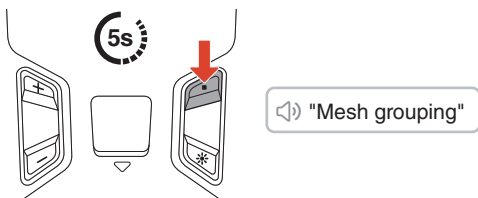
Join an Existing Group Mesh

While you are in a group mesh, you can invite other users in open mesh to join the group.



You are already in group mesh with A and B, and the other users, C and D, are in open mesh.

1. You and the other users, C and D, enter mesh grouping by pressing the multi-function button for 5 seconds.



- When mesh grouping is completed, the other users, C and D, automatically join the group mesh while leaving the open mesh.

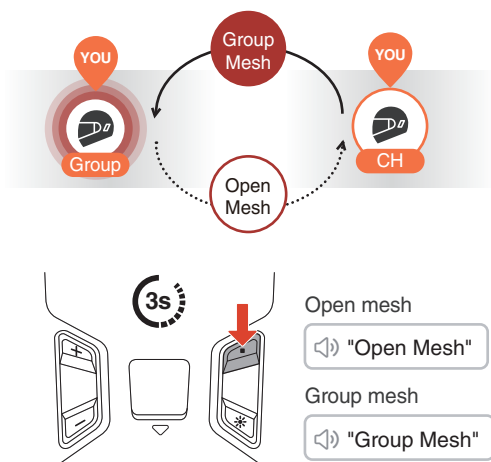
 "Group Mesh"

New participants (C and D)

- If the mesh grouping is not successfully completed within 30 seconds, the current user (You) will hear a low tone double beep and the new users (C and D) will hear a voice prompt saying, "Grouping failed."

Toggle Open/Group Mesh

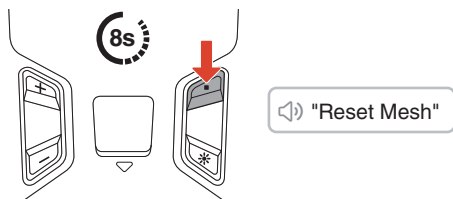
You can toggle between open mesh and group mesh without resetting the mesh.



- If you have never participated in group mesh, you cannot toggle between open mesh and group mesh. You will hear a voice prompt saying, "No group available."

Reset Mesh

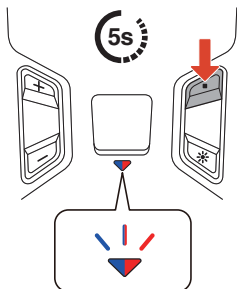
If the S1 resets the mesh while in open mesh or group mesh, it will automatically return to open mesh, channel 1.



04 USING WITH A SMARTPHONE

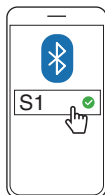
Phone Pairing

1.



 "Phone pairing"

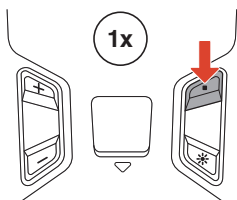
2.



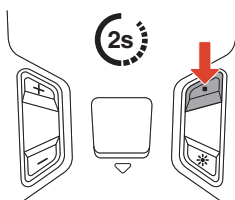
- When you turn on the S1 for the first time or reboot it after a factory reset, the S1 will automatically enter phone pairing mode.
- To cancel phone pairing, press any button.

Making and Answering Calls

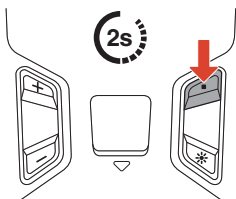
Answer a Call



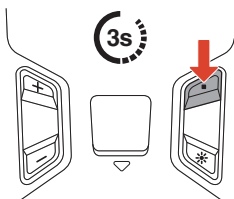
End a Call



Reject a Call



Activate Voice Assistant



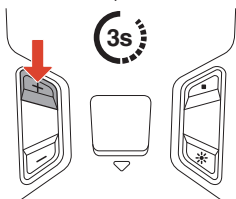
Speed Dial

Assign Speed Dial Presets

Speed dial presets can be assigned using the Sena Cycling app.

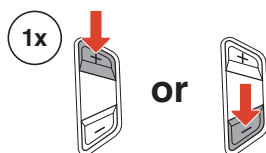
Use Speed Dial Presets

1. Enter the speed dial menu.



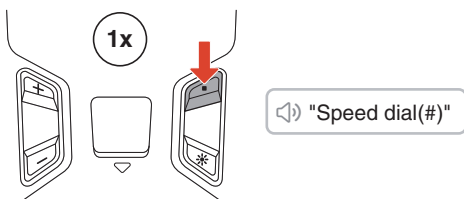
 "Speed dial"

2. Navigate forward or backward through speed dial preset.



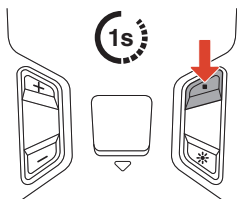
- ① Last number redial
- ② Speed dial (1→2→3)
- ③ Cancel

3. Tap the multi-function button to confirm.

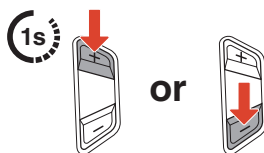


Music

Play/Pause Music



Track Forward/Backward



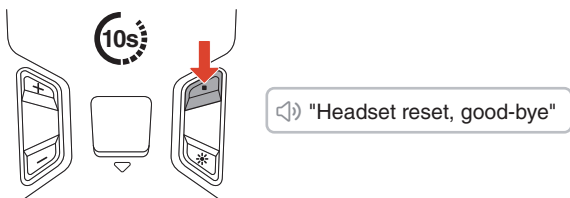
05 FIRMWARE UPDATE

You can update the firmware via Over-the-Air (OTA) directly from the settings in the Sena Cycling app.

06 TROUBLESHOOTING

Factory Reset

To restore the S1 to its factory default settings, simply use the factory reset feature.

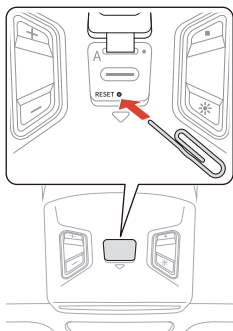


Fault Reset

If the S1 is on but not responding, you can perform a fault reset to restore normal functionality.

Use a clip to press the reset pinhole under the USB-C charging port.

All settings will remain unchanged.





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