USER GUIDE

Firmware Version: 1.0.x

Last updated on Jun 4, 2026

HELMLINK SL

MOTORCYCLE MESH COMMUNICATION SYSTEM

The firmware version 1.0.x indicates that this manual is applicable to all firmware updates within the version 1.0 series.

QUICK REFERENCE

(+) : (+) button (–) : (–) button C : Center button

Type	Operation	Button	Duration
Basic operations	Power on	C & (+)	Press for 1 second
	Power off	C & (+)	Single tap
	Volume up/down	(+) or (–)	Single tap
Phone	Phone pairing	C	Press for 5 seconds
	Answer phone call	C	Single tap
	End phone call	C	Press for 2 seconds
	Reject phone call	C	Press for 2 seconds
	Activate voice assistant	C	Press for 3 seconds
	Speed dial	(+)	Press for 3 seconds
	Play/Pause music	C	Press for 1 second
	Track forward/back	(+) or (–)	Press for 1 second
Mesh Intercom™	Mesh Intercom on/off	C	Single tap
	Mute/unmute mic	C	Press for 1 second
	Channel selection	C	Double tap
	Mesh grouping	C	Press for 5 seconds
	Mesh Reach-Out request	C	Press for 5 seconds
	Reset mesh	C	Press for 8 seconds
Wave Intercom™	Wave Intercom on	C	Double tap
	Wave Intercom off	C	Single tap
	Switch to Mesh Intercom	(–)	Press for 2 seconds
Configuration menu		C	Press for 10 seconds

BEFORE GETTING STARTED

Sena Motorcycles App

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

WAVE Intercom App

Download the WAVE Intercom app from the Google Play Store or the App Store.

For detailed information on the Wave Intercom, please refer to the Wave Intercom User Guide at sena.com.

CLICK
ANY SECTION TO BEGIN



ABOUT THE HELMLINK SL



INSTALLATION



BASIC OPERATION



PAIRING WITH BLUETOOTH DEVICES



USING WITH A SMARTPHONE



MESH INTERCOM

WAVE INTERCOM

WAVE INTERCOM



AUDIO MULTITASKING



VOICE COMMAND



FIRMWARE UPDATE

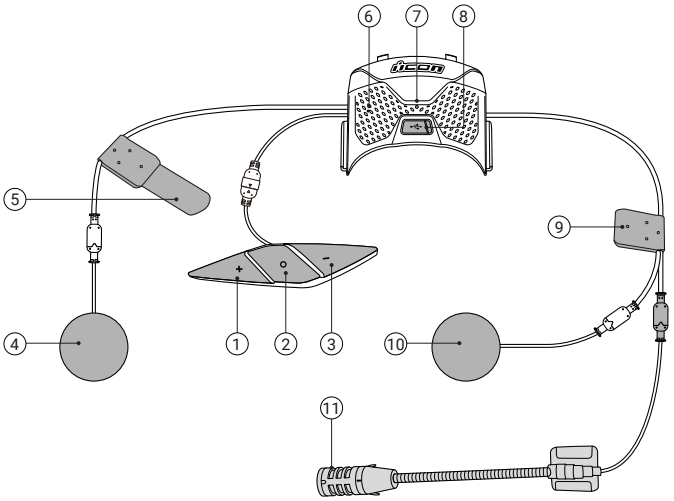


TROUBLESHOOTING

01 ABOUT THE HELMLINK SL

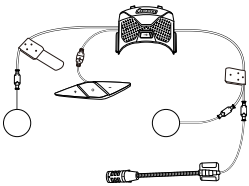
Key Features

- Mesh Intercom 3.0 with improved sound quality, a more robust connection, and extended talk time
- Dual version Mesh: Mesh 2.0 for backward compatibility
- Wave Intercom compatible
- Advanced Noise Control™
- Enhanced voice command
- Bluetooth version 5.2
- Over-the-Air (OTA) firmware update



① (+) button
② Center button
③ (–) button
④ Speaker (L)
⑤ Antenna (L)
⑥ Reset pinhole
⑦ Status & charging LED
⑧ USB-C charging port
⑨ Antenna (R)
⑩ Speaker (R)
⑪ Microphone

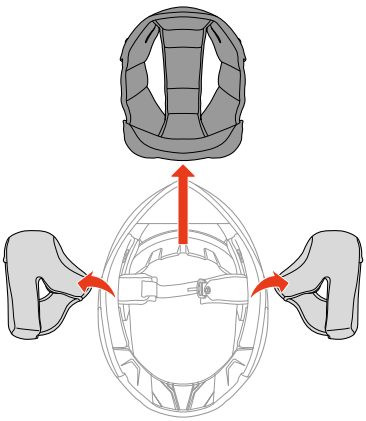
Package Contents

 HelmLink SL	 Allen wrench	 Screws
 Velcro pads for speakers	 Microphone sponges	 Velcro pad for microphone
 USB-C charging cable		

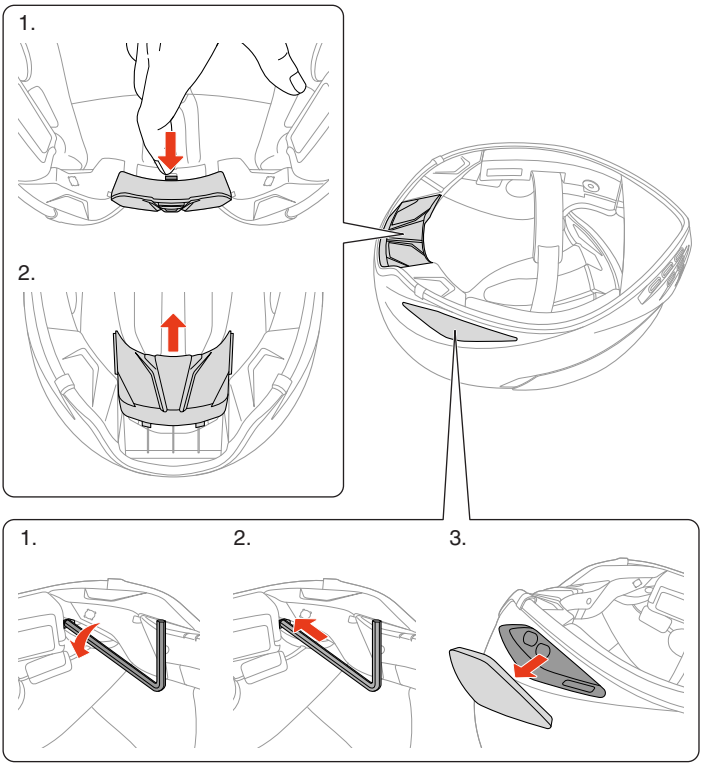
02 INSTALLATION

Preparing the Helmet

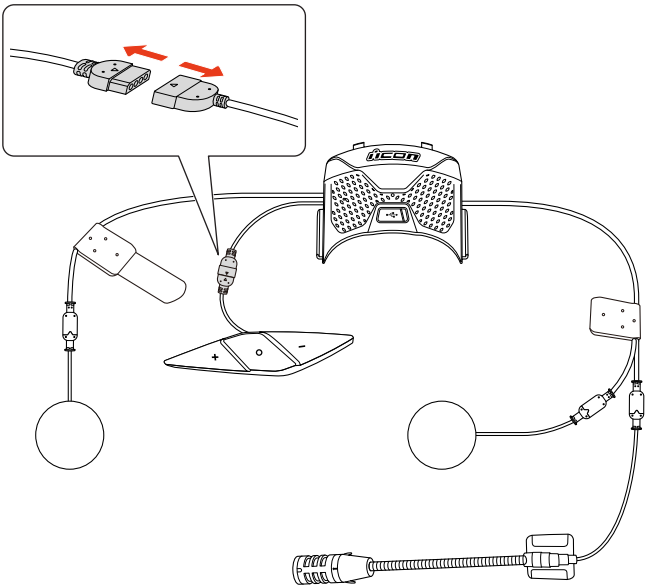
Inner Padding



Module Cover

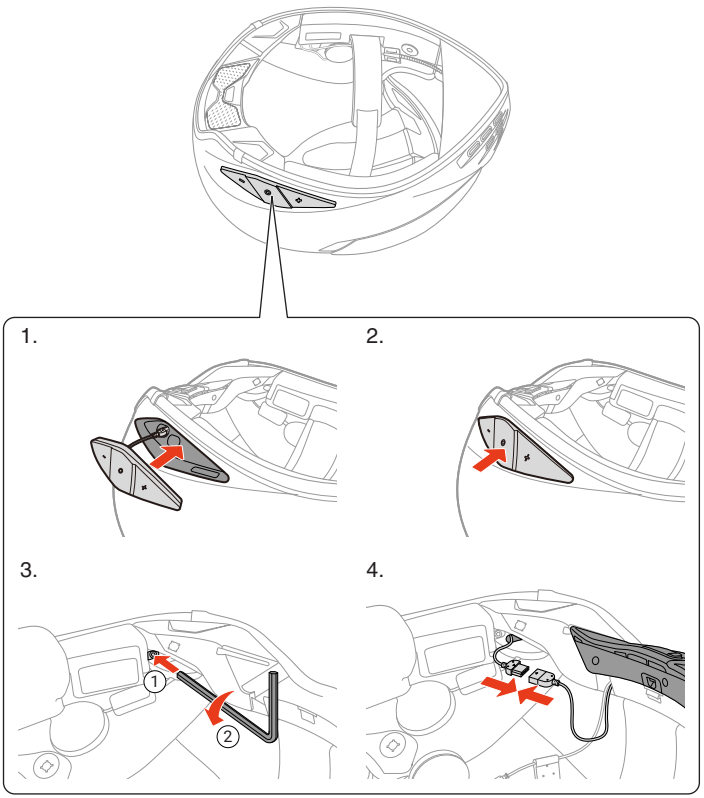


Preparing the Headset

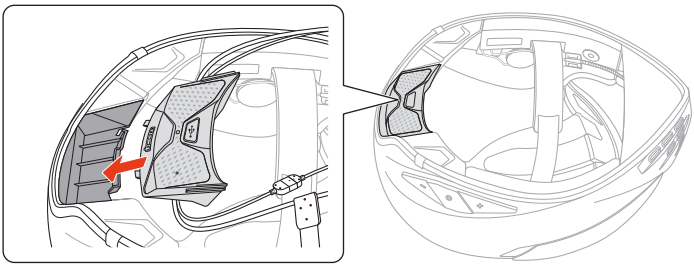


Installing the Headset

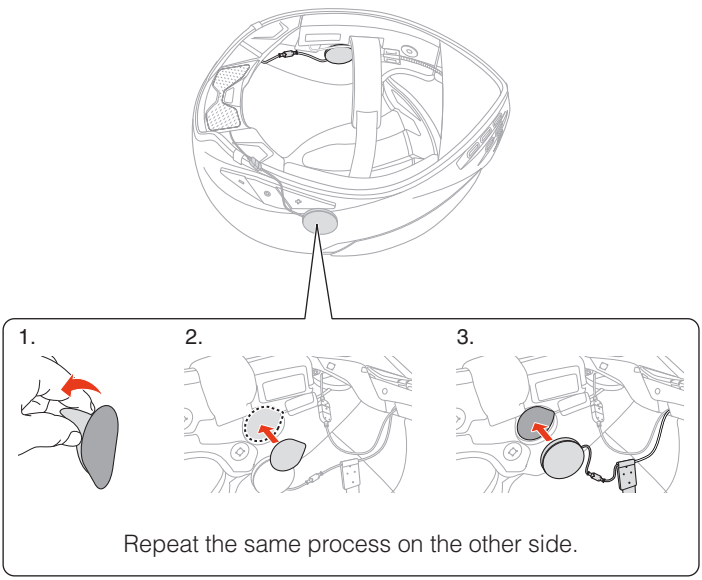
Button Module

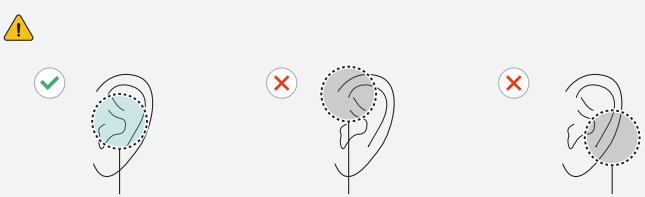


Battery Module

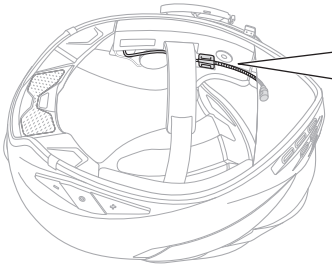


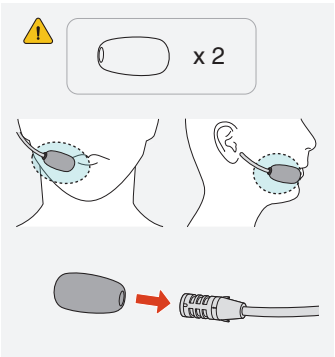
Speakers

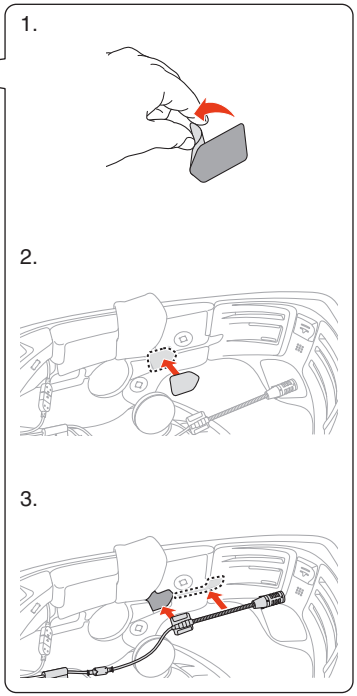




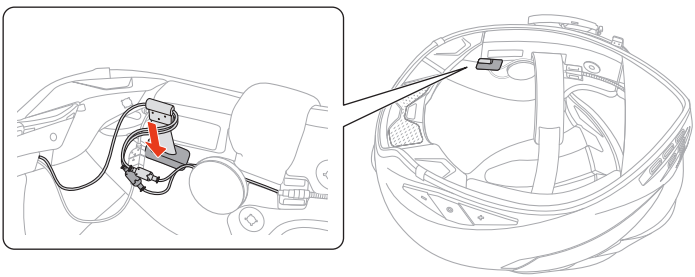
Microphone





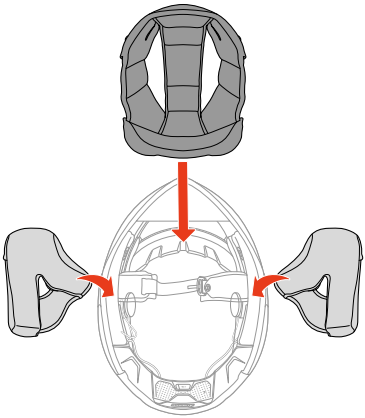


Antenna

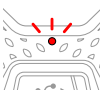


Repeat the same process on the other side.

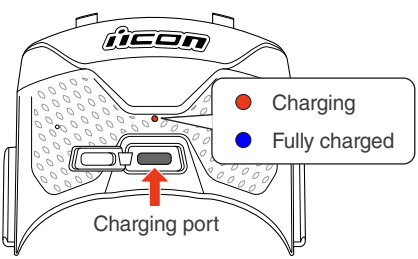
Inner Padding



03 BASIC OPERATION

1x	Tap Tap the button the specified number of times
1s	Press and Hold Press and hold the button for the specified amount of time
" "	Voice Prompt
" "	Voice Command
	LED

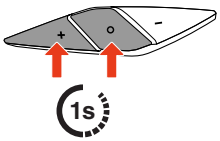
Charging



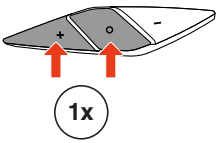
It takes 2.5 hours to fully charge.

- The HelmLink SL features fast charging, delivering 3 hours of Mesh Intercom with just a 20-minute charge.
- 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

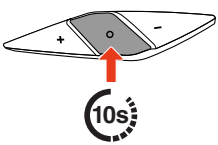


Volume



Configuration

Enter Configuration

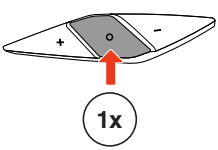


"Configuration menu"

Navigate



Confirm

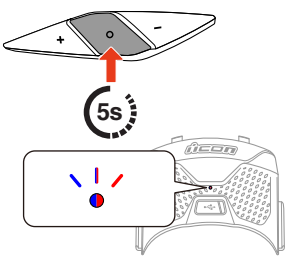


04 PAIRING WITH BLUETOOTH DEVICES

When using the HelmLink SL with other Bluetooth devices for the first time, they need to be paired. The HelmLink SL can pair with multiple devices, including two mobile phones and one GPS. However, it supports only one additional device, alongside a mobile phone, for simultaneous connection.

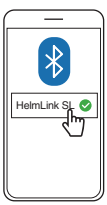
Phone Pairing

1.



"Phone pairing"

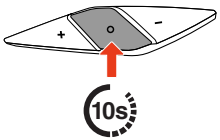
2.



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

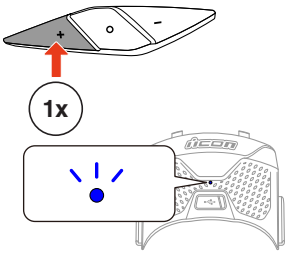
Second Mobile Phone Pairing

1.



"Configuration menu"

2.



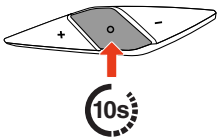
"Second mobile phone pairing"

3.



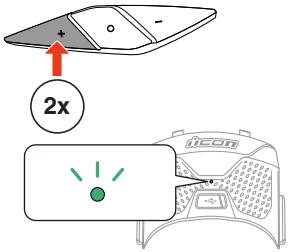
GPS Pairing

1.



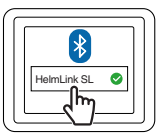
"Configuration menu"

2.



"GPS pairing"

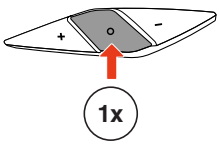
3.



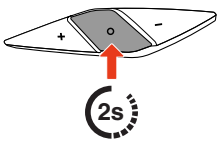
05 USING WITH A SMARTPHONE

Making and Answering Calls

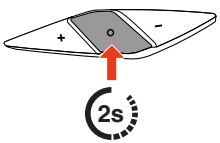
Answer a Call



End a Call



Reject a Call

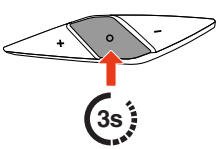


Siri or Google Assistant

Say “Hey Siri”, “Hey Google”, or press the center button for 3 seconds to activate Siri or Google Assistant.

"Hey Google" or "Hey Siri"

or



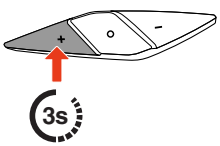
Speed Dial

Assign Speed Dial Presets

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

Use Speed Dial Presets

1. Enter the speed dial menu.



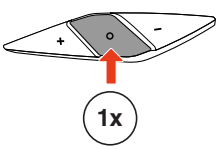
"Speed dial"

2. Navigate forward or backward through speed dial preset.



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

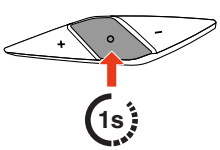
3. Tap the center button to confirm.



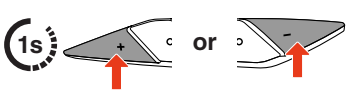
"Speed dial #"

Music

Play/Pause Music



Track Forward/Backward

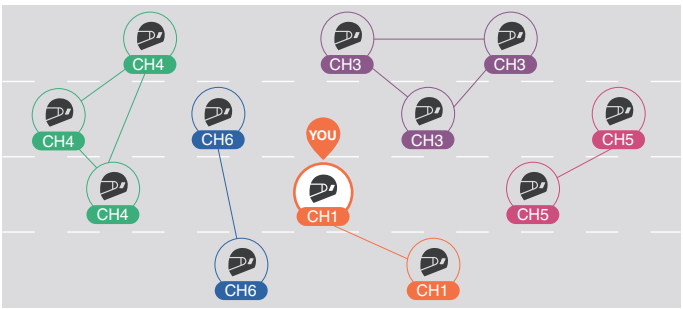


06 MESH INTERCOM

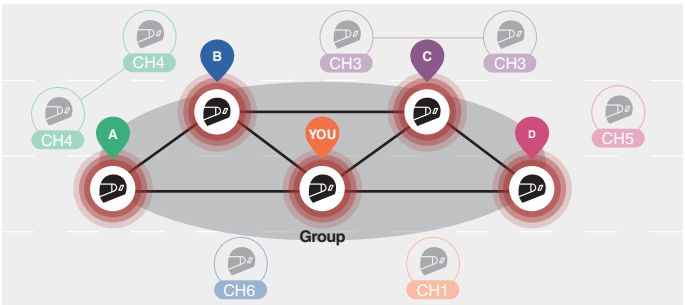
The HelmLink SL provides two Mesh Intercom modes:

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

Open Mesh



Group Mesh



Mesh Version Switch

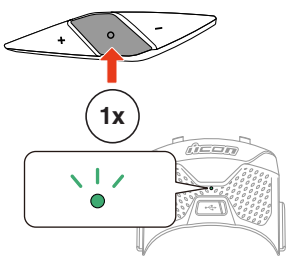
Switch to Mesh 2.0 for Backward Compatibility

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 Motorcycles 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

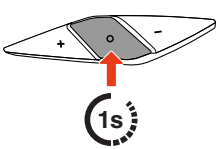


On: "Mesh intercom on, Open Mesh, channel 1"

Off: "Mesh intercom off"

Mute/Unmute Mic

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

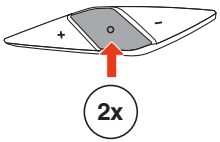


Mute: "Mic off"

Unmute: "Mic on"

Channel Selection

1. Enter the channel setting.



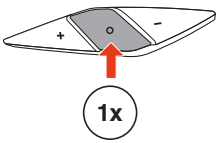
"Channel setting, 1"

2. Navigate between channels.



"#"

3. Confirm and save the channel.



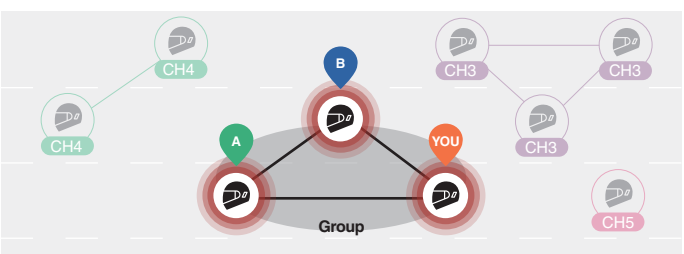
"Channel is set, channel #"

- 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 HelmLink SL is turned off.

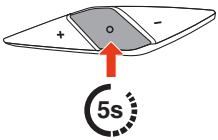
Group Mesh

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 center 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.

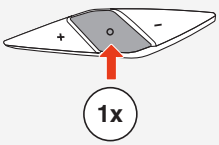


"Mesh grouping"

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

"Group Mesh"

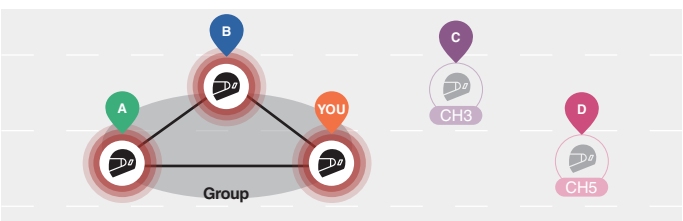
- If you want to cancel mesh grouping, tap the center button.



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

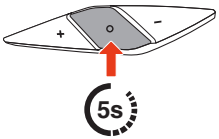
Join an Existing Group Mesh

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 center button for 5 seconds.



"Mesh grouping"

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

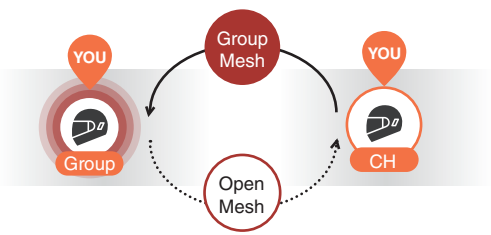
"Group Mesh"

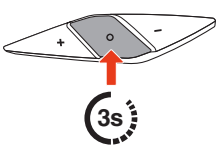
New participants (C and D)

- 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.





Open mesh

"Open Mesh"

Group mesh

"Group Mesh"

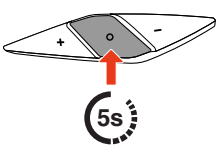
- If you have never participated in group mesh, you cannot toggle between open mesh and group mesh. You will hear a voice prompt saying, “No group available.”

Mesh Reach-Out Request

You (caller) can send a Mesh Reach-Out request to turn on Mesh Intercom to nearby* friends who have it turned off.

1. If you want to send or receive a Mesh Reach-Out request, you need to enable it in the Sena Motorcycles app.
2. You can send a Mesh Reach-Out request using the center button or the Sena Motorcycles app.

Caller



Caller: "Mesh reach-out request"

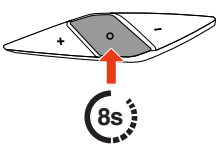
Nearby Friends: "Mesh intercom requested"

3. Friends who receive the Mesh Reach-Out request need to manually turn on their Mesh Intercom.

* Up to 330 ft in open terrain

Reset Mesh

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



"Reset Mesh"

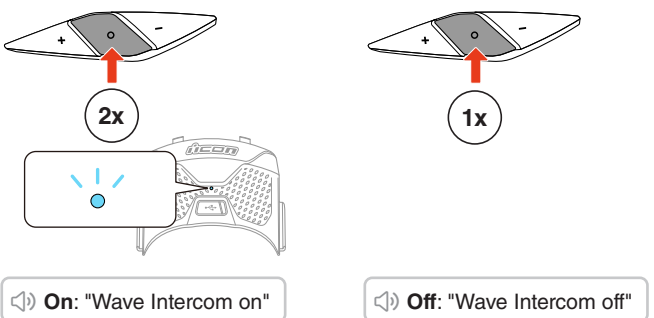
07 WAVE INTERCOM

Wave Intercom enables open communication using cellular data. For detailed information, please refer to the Wave Intercom User Guide on sena.com.

Wave Intercom On/Off

Open the WAVE Intercom app, then double-tap the center button to join Wave Intercom.

- You must open the app before starting Wave Intercom.

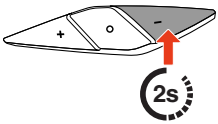


When you start Wave Intercom, you will automatically connect with users in the Wave Zone. The Wave Zone covers a 1-mile radius in North America and a 1.6-km radius in Europe.

To end Wave Intercom, single-tap the center button.

Switch between Wave Intercom and Mesh Intercom

You can easily switch between Mesh Intercom and Wave Intercom by pressing the (–) button for 2 seconds.



Wave to Mesh: "Wave Intercom off. Mesh Intercom on."

Mesh to Wave: "Mesh Intercom off. Wave Intercom on."

08 AUDIO MULTITASKING

Audio multitasking on the HelmLink SL allows you to listen to music and GPS turn-by-turn instructions while having a Mesh Intercom conversation.

Background Volume

When enabled, background audio, such as music playback, will automatically lower in volume during an intercom conversation. To disable this setting, go to Device Settings in the Sena Motorcycles app.

09 VOICE COMMAND

The HelmLink SL offers multi-language voice commands in eight different languages, which can be easily set through the Sena Motorcycles app. A complete list of available voice commands is also provided in the Sena Motorcycles app.

To activate voice commands, simply say, “Hey Sena.”

"Hey Sena"

Voice Command List

“Answer”
“Ignore”
“Hey Sena, Check Battery”
“Hey Sena, Volume Up”
“Hey Sena, Volume Down”
“Hey Sena, Phone Pairing”
“Hey Sena, Redial Number”
“Hey Sena, End Call”
“Hey Sena, Play Music”
“Hey Sena, Stop Music”
“Hey Sena, Previous Track”
“Hey Sena, Next Track”
“Hey Sena, Mesh Intercom On”
“Hey Sena, Mesh Intercom Off”
“Hey Sena, Wave Intercom On”
“Hey Sena, Wave Intercom Off”

10 FIRMWARE UPDATE

Over-the-Air (OTA) Update

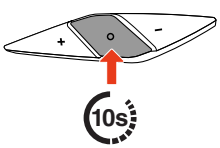
You can update the firmware via Over-the-Air (OTA) directly from the settings in the Sena Motorcycles app.

11 TROUBLESHOOTING

Factory Reset

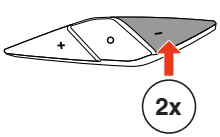
To restore the HelmLink SL to its factory default settings, simply use the factory reset feature.

1.



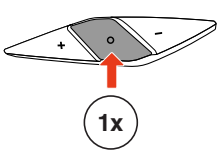
"Configuration menu"

2.



"Factory reset"

3.



"Headset reset, good-bye"

Fault Reset

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

Use a clip to press the reset pinhole on the battery module.

All settings will remain unchanged.

