



USER GUIDE

Firmware Version: 1.0.x
Last updated on Jun 29, 2026


SPIDER X SLIM


LOW PROFILE 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

 : Mesh Intercom button

 : Center button

Type	Operation	Button	Duration
Basic operations	Power on	 & 	Press for 1 second
	Power off	 & 	Single tap
	Volume up/down	 or 	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
Wave Intercom™	Wave Intercom on		Double tap
	Wave Intercom off		Single tap
	Switch to Mesh Intercom		Single tap
Troubleshooting	Fault reset	 & 	Press for 10 seconds
Configuration menu			Press for 10 seconds

BEFORE GETTING STARTED

I Sena Motorcycles App

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



I 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 SPIDER
X SLIM



INSTALLATION



BASIC OPERATION



PAIRING WITH
BLUETOOTH
DEVICES



USING WITH A
SMARTPHONE



MESH INTERCOM



WAVE
INTERCOM

WAVE INTERCOM



AUDIO
MULTITASKING



FM RADIO



VOICE COMMAND



FIRMWARE UPDATE



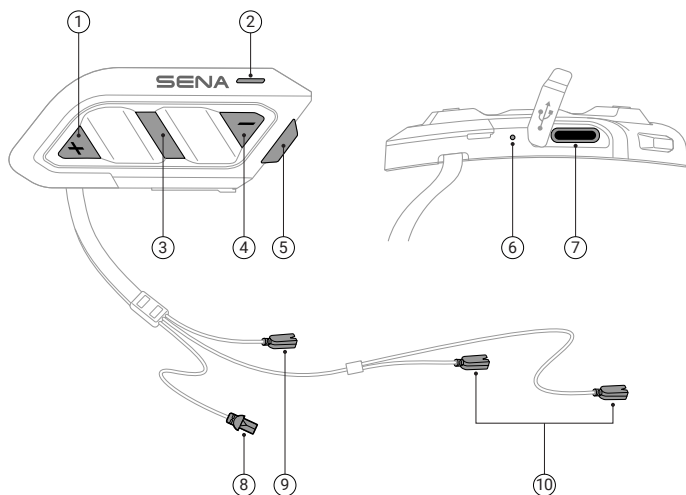
TROUBLESHOOTING



01 ABOUT THE SPIDER X SLIM

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
- AI-based noise cancellation
- Enhanced voice command
- Interchangeable faceplates
- IPx7 waterproof rating
- Bluetooth version 5.3
- Over-the-Air (OTA) firmware update



① (+) button

② Status LED

③ Center button

④ (-) button

⑤ Mesh Intercom button

⑥ Charging LED

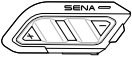
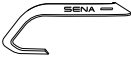

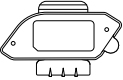
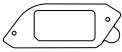
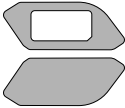

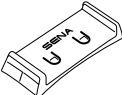
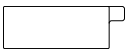


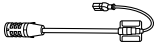






⑦ USB-C charging port

⑧ Battery pack connector

⑨ Microphone connector

⑩ Speaker connectors

Package Contents

 <p>SPIDER X Slim</p>	 x 3 Interchangeable faceplates	 <p>Speakers</p>
 <p>Helmet clamp</p>	 <p>Double sided adhesive tape for a helmet clamp</p>	 <p>Velcro pads with adhesive tapes</p>
 <p>Battery pack</p>	 <p>Battery holder</p>	 <p>Adhesive tape for a battery pack</p>
 x 2 Speaker pads	 x 2 Velcro pads for speakers	 <p>Wired-boom microphone</p>
 <p>Wired microphone</p>	 x 2 Microphone sponges	 <p>Velcro pad for wired-boom microphone</p>
 <p>Velcro pad for wired microphone</p>	 <p>Wired-boom microphone holder</p>	 <p>Velcro pad for wired-boom microphone holder</p>

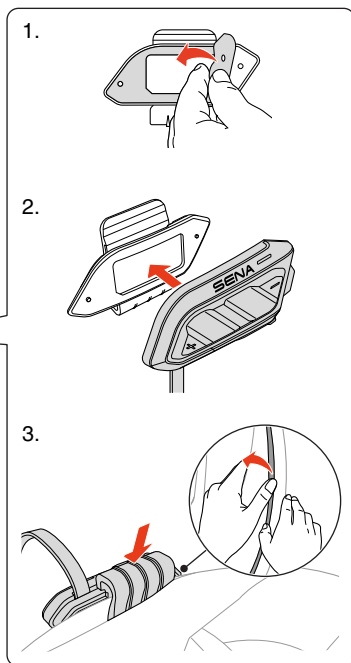
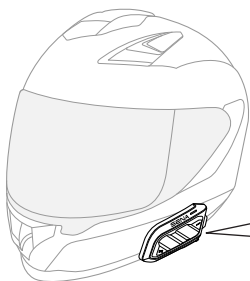


USB-C charging cable

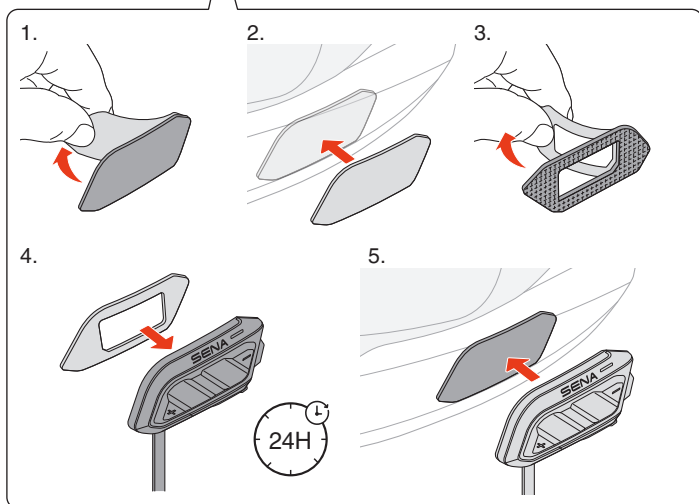
02 INSTALLATION

Main Unit & Clamps

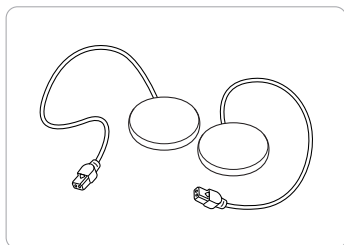
Helmet Clamp



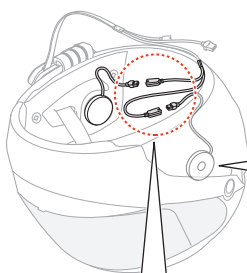
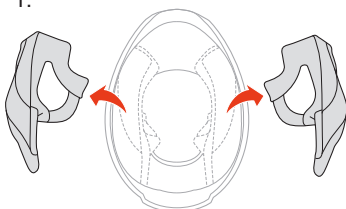
Velcro Pads with Adhesive Tapes



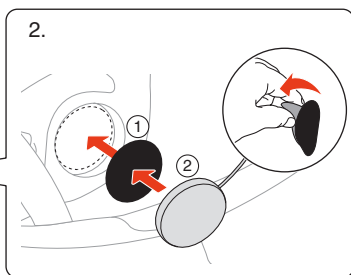
Speakers



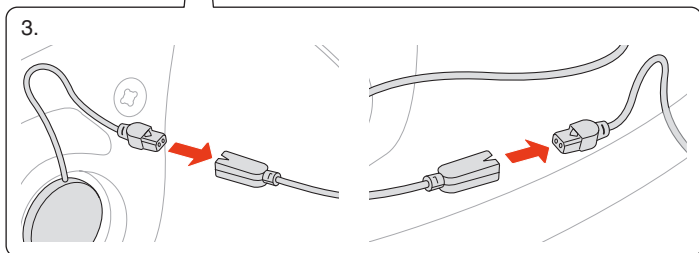
1.

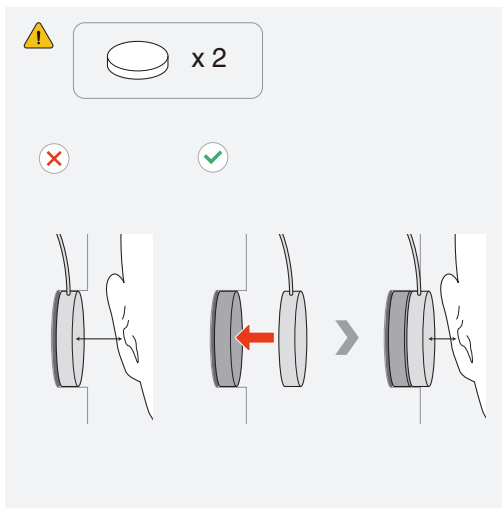
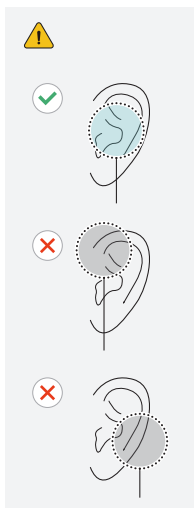


2.



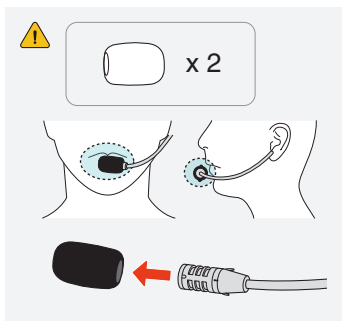
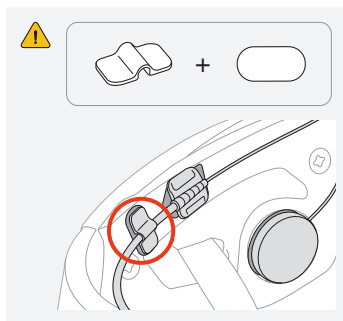
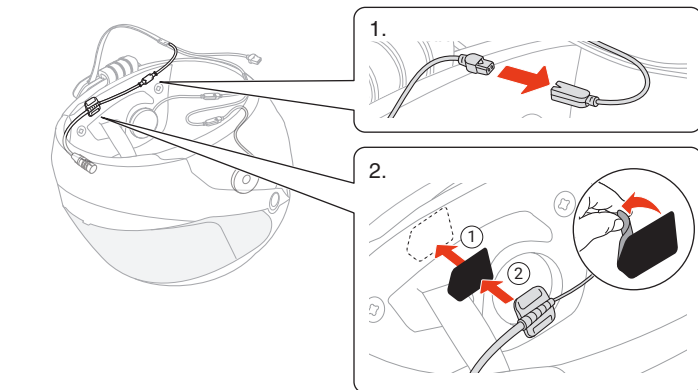
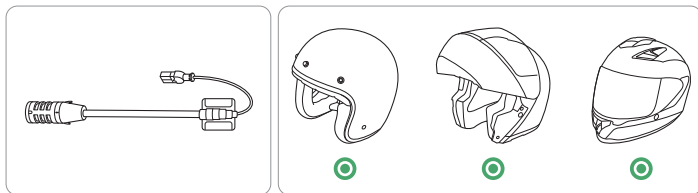
3.



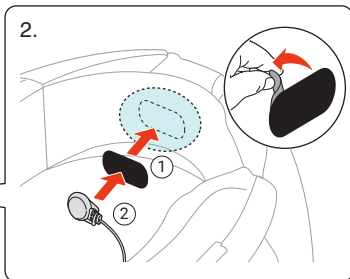
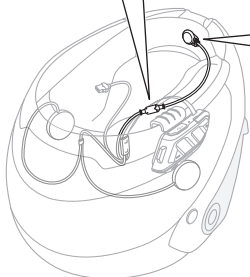
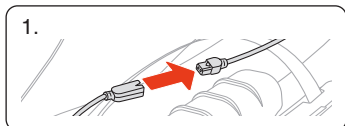
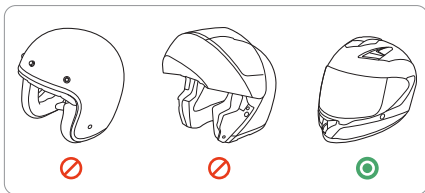
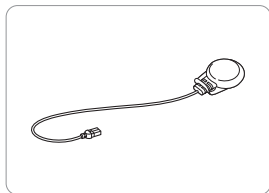


Microphone

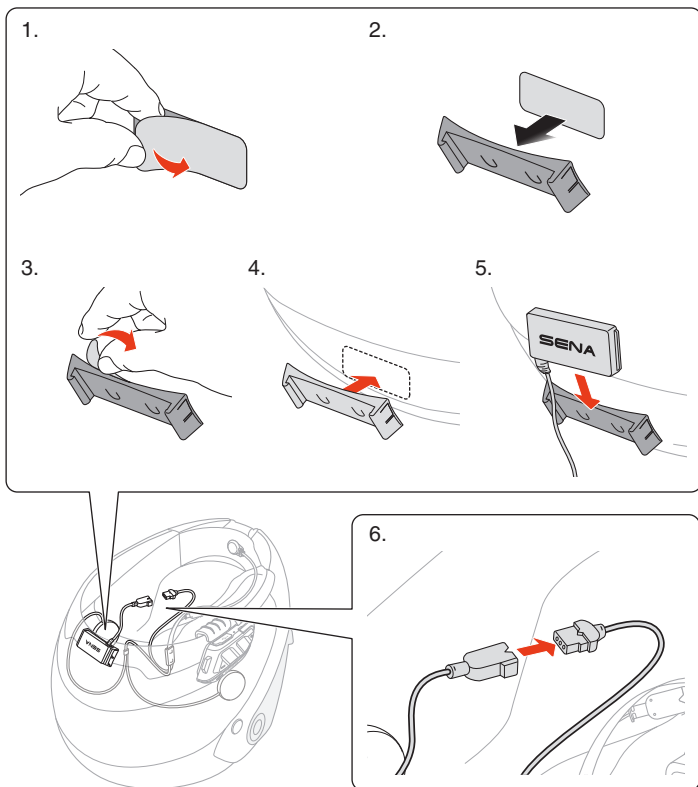
Wired-Boom Microphone



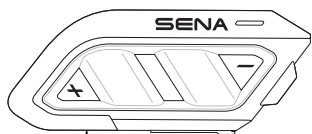
Wired Microphone



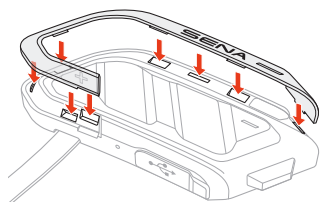
Battery Pack



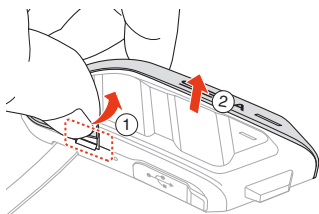
Interchangeable Faceplates








Installation



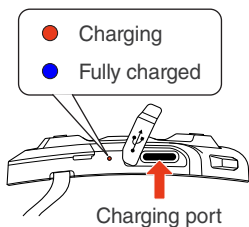
Removal



03 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
	Voice Command
	LED

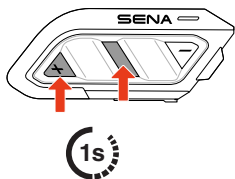
Charging



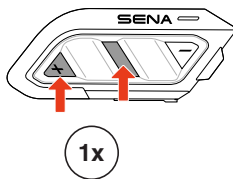
It takes 2 hours to fully charge.

- The SPIDER X Slim features fast charging, delivering 2 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

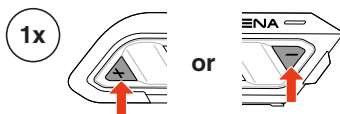


Power Off



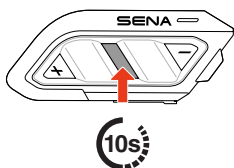
- Make sure that the battery connector is connected to the device before powering on.
- The SPIDER X Slim enters deep sleep mode if it remains motionless for 2 minutes.
- If any motion is detected within 3 days, the SPIDER X Slim wakes up. Otherwise, it powers off completely after 3 days.
- To enable or disable this function, go to Device Settings and toggle Auto On/Off in the Sena Motorcycles app.

Volume



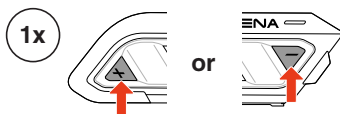
Configuration

Enter Configuration

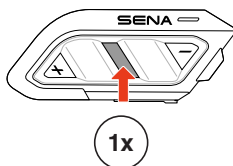


"Configuration menu"

Navigate



Confirm

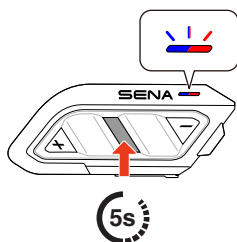


04 PAIRING WITH BLUETOOTH DEVICES

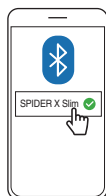
When using the SPIDER X Slim with other Bluetooth devices for the first time, they need to be paired. The SPIDER X Slim can pair with multiple devices, including two mobile phones and one GPS. However, it supports only one additional device, alongside a mobile phone, for simultaneous connection.

Phone Pairing

1.



2.

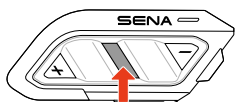


🔊 "Phone pairing"

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

Second Mobile Phone Pairing

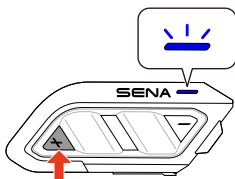
1.



10s

"Configuration menu"

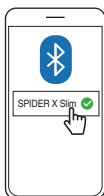
2.



1x

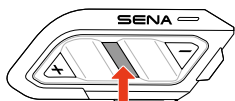
"Second mobile phone pairing"

3.



GPS Pairing

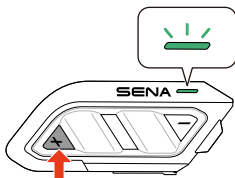
1.



10s

"Configuration menu"

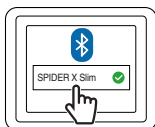
2.



2x

"GPS pairing"

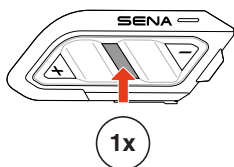
3.



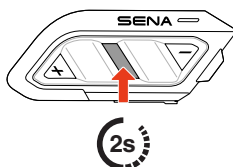
05 USING WITH A SMARTPHONE

Making and Answering Calls

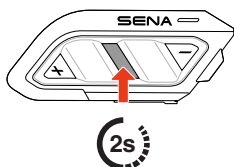
Answer a Call



End a Call



Reject a Call

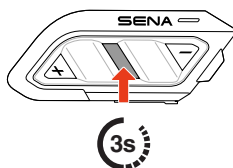


Siri or Google Assistant

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



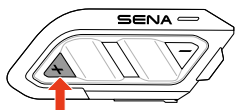
Speed Dial

Assign Speed Dial Presets

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

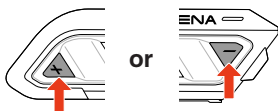
Use Speed Dial Presets

1. Enter the speed dial menu.



"Speed dial"

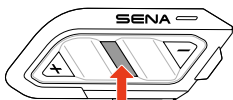
2. Navigate forward or backward through speed dial preset.



or

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

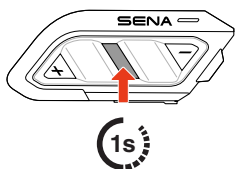
3. Tap the center button to confirm.



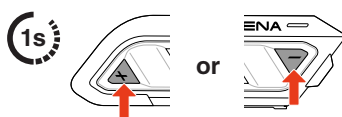
"Speed dial #"

Music

Play/Pause Music



Track Forward/Backward

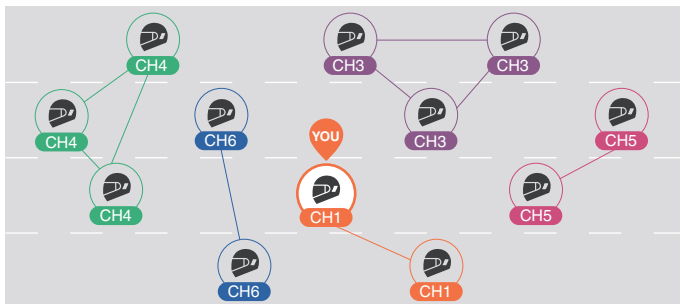


06 MESH INTERCOM

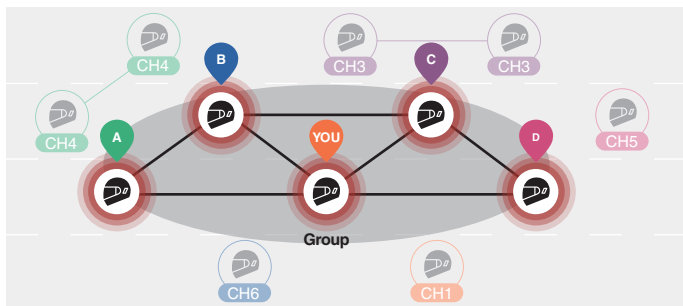
The SPIDER X Slim provides two Mesh Intercom modes:

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

Open Mesh



Group Mesh



Mesh Version Switch

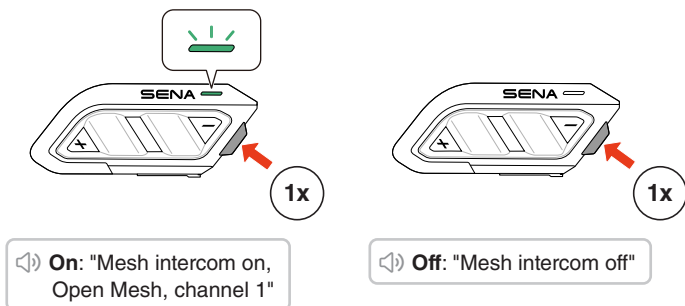
Switch to Mesh 2.0 for Backward Compatibility

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



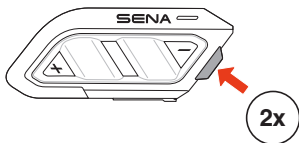
Mute/Unmute Mic

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



Channel Selection

1. Enter the channel setting.



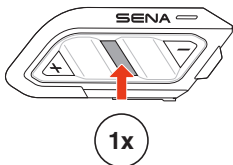
"Channel setting, 1"

2. Navigate between channels.



"#"

3. Confirm and save the channel.



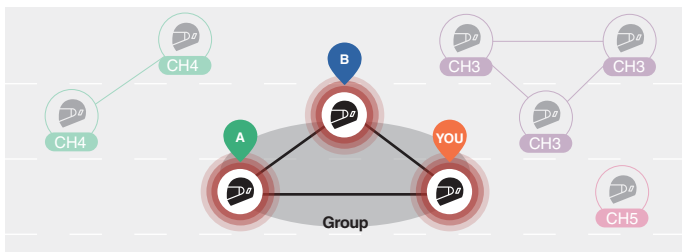
"Channel is set, channel #"

- 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 SPIDER X Slim 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



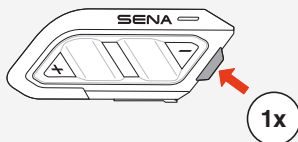
1. Users (You, A, and B) enter the mesh grouping by pressing the Mesh Intercom button for 5 seconds while staying in the open mesh. They don't need to be on the same open mesh channel to create a group mesh together.



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

"Group Mesh"

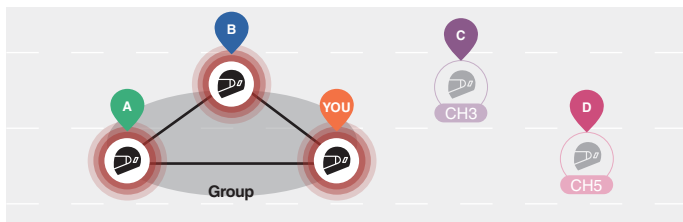
- If you want to cancel mesh grouping, tap the Mesh Intercom button.



- 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 Mesh Intercom button for 5 seconds.



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

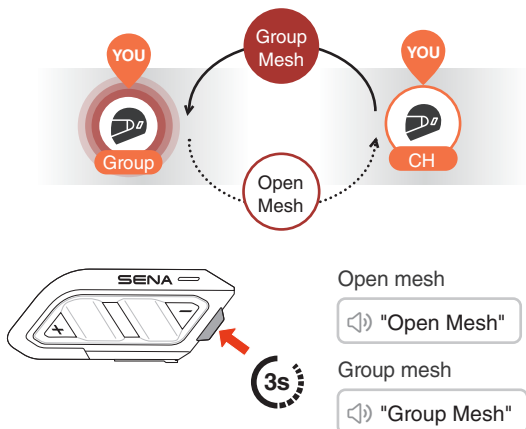
🔊 "Group Mesh"

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

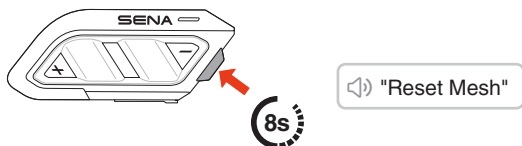
You can toggle between open mesh and group mesh without resetting the mesh.



- 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 SPIDER X Slim resets the mesh while in open mesh or group mesh, it will automatically return to open mesh, channel 1.



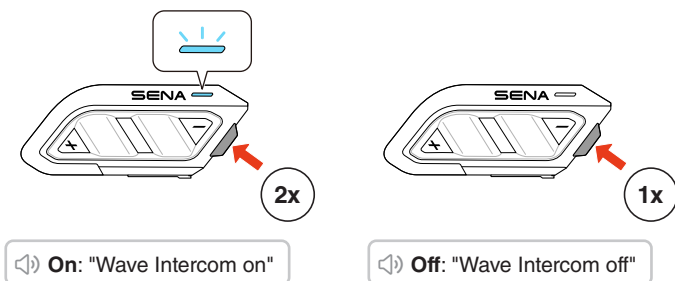
07 WAVE INTERCOM

Wave Intercom enables open communication using cellular data. For detailed information, please refer to the Wave Intercom User Guide on [sena.com](https://www.sena.com).

Wave Intercom On/Off

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

- You must open the app before starting Wave Intercom.

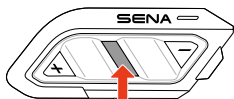


When you start Wave Intercom, you will automatically connect with users in the Wave Zone. The Wave Zone covers a 1-mile radius in North America and a 1.6-km radius in Europe.

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

Switch between Wave Intercom and Mesh Intercom

You can easily switch between Mesh Intercom and Wave Intercom with a single tap on the center button.



1x

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 SPIDER X Slim allows you to listen to music, GPS turn-by-turn instructions, and FM radio while having a Mesh Intercom conversation.

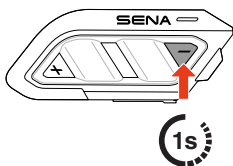
For more details, go to Device Settings on the Sena Motorcycles app to configure the settings.

Background Volume

Background audio, such as music playback, will automatically lower in volume during an active intercom conversation. You can adjust the volume reduction percentage in the app under 'Background Volume'.

09 FM RADIO

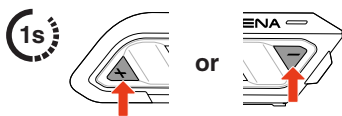
FM Radio On/Off



On: "FM Radio On"

Off: "FM Radio Off"

Seek Stations

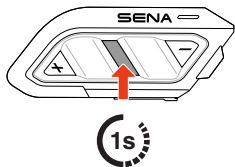


Save to Preset

You can use the Sena Motorcycles app to save the station to your preset stations.

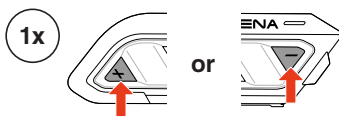
Select Station from Preset

1. Enter the station selection mode.



"Station Selection Mode"

2. Navigate forward or backward through preset stations.



"Preset (#)"

- If you do not press any button for approximately 10 seconds, or if you press and hold the center button for 1 second while in the station selection mode, the headset will exit the station selection mode.

10 VOICE COMMAND

The SPIDER X Slim 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, FM Radio On"
- "Hey Sena, FM Radio Off"
- "Hey Sena, Mesh Intercom On"
- "Hey Sena, Mesh Intercom Off"
- "Hey Sena, Wave Intercom On"
- "Hey Sena, Wave Intercom Off"

11 FIRMWARE UPDATE

Over-the-Air (OTA) Update

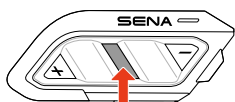
You can update the firmware via Over-the-Air (OTA) directly from the settings in the Sena Motorcycles app.

12 TROUBLESHOOTING

Factory Reset

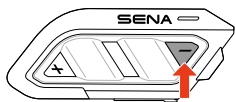
To restore the SPIDER X Slim to its factory default settings, simply use the factory reset feature.

1.



🔊 "Configuration menu"

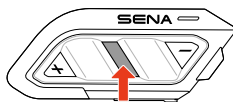
2.



2x

🔊 "Factory reset"

3.



1x

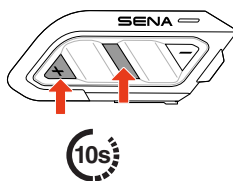
🔊 "Headset reset, good-bye"

Fault Reset

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

Ensure the USB-C charging cable is disconnected, then press the center button and (+) button simultaneously for 10 seconds.

All settings will remain unchanged.





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