SENA

USER GUIDE

Firmware Version: 1.6.x

Last updated on Dec 12, 2024

SRL-MESH

MOTORCYCLE MESH & BLUETOOTH®
COMMUNICATION SYSTEM FOR SHOEI HELMETS

SOUND BY
harman/kardon®

The firmware version 1.6.x indicates that this manual is applicable to all firmware updates within the version 1.6 series.

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1. ABOUT THE SRL-MESH

1.1 Product Features

- Mesh Intercom 3.0 - delivers improved sound quality, a more robust connection, and extended talk time
- Dual version Mesh - Mesh 2.0 for backward compatibility

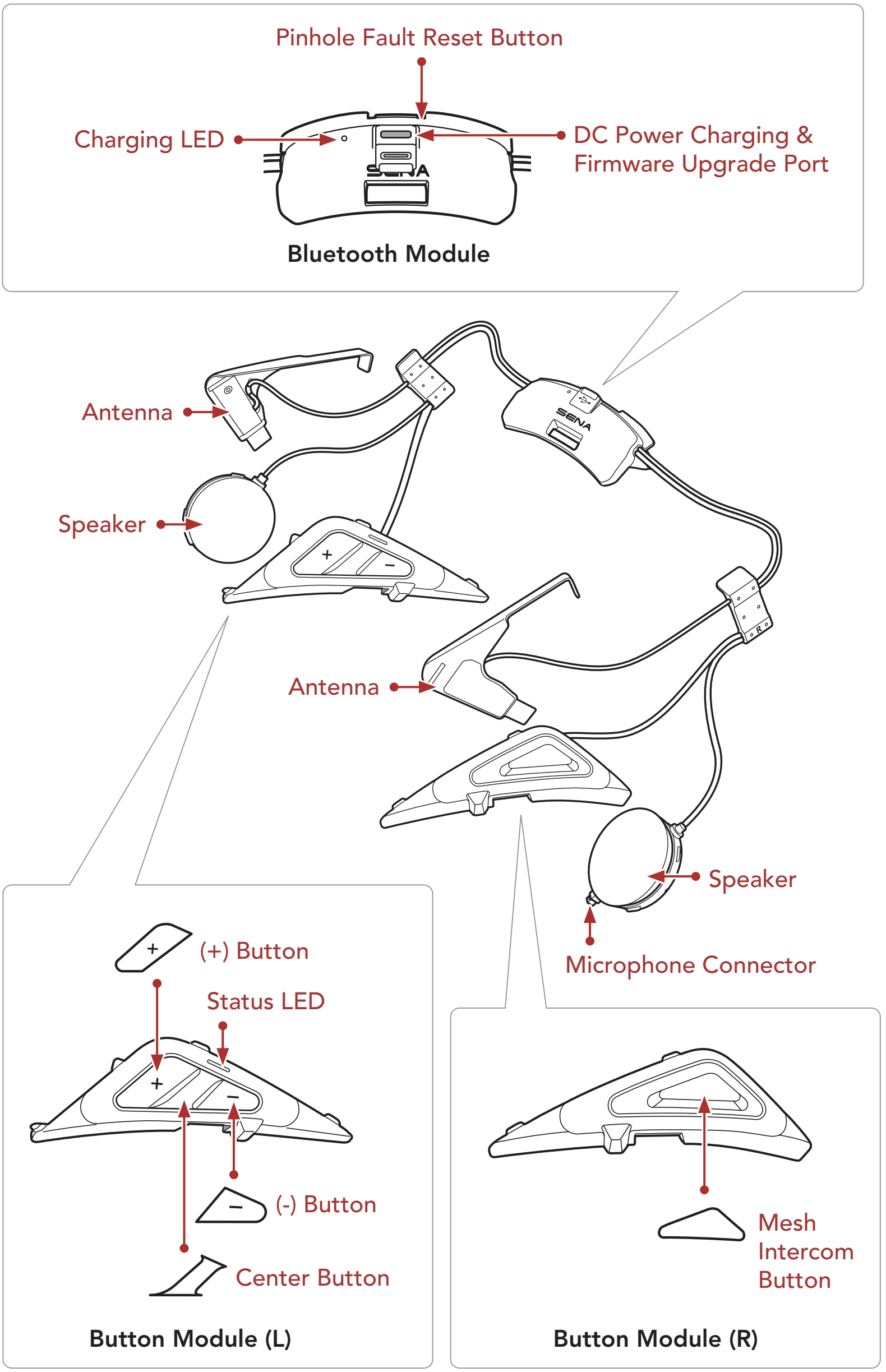
Audio Multitasking™

- Multi-Language Voice Command
- Support Siri and Google Assistant

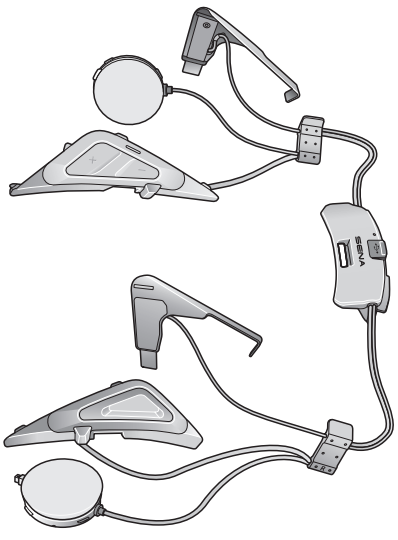
Custom Helmet Fit

Bluetooth® 5.0

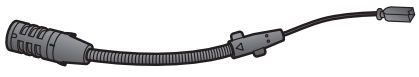
1.2 Product Details



1.3 Package Contents

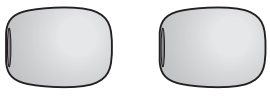


SRL-Mesh

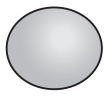


Wired Boom Microphone for Flip Up Helmets

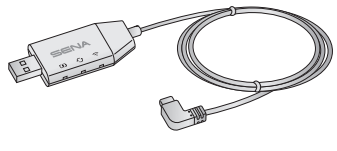
Wired Microphone for Full Face Helmets



Microphone Sponges for Wired Boom Microphone



Hook and Loop Fastener for Wired Microphone



WiFi Adapter

2. INSTALLING THE HEADSET ON YOUR HELMET

The following **SHOEI helmets** are compatible with the **SRL-Mesh**.

- **GT-Air II, J-Cruise II, Neotec II***

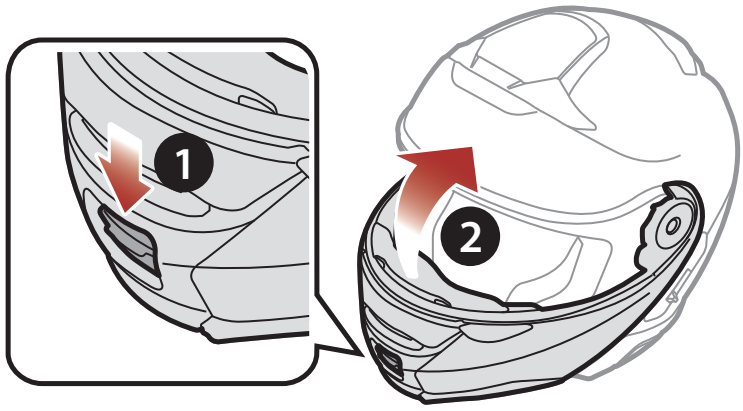
* **Neotec II**'s manufactured on and after March 8, 2019.

2.1 Flip Up Helmet Installation

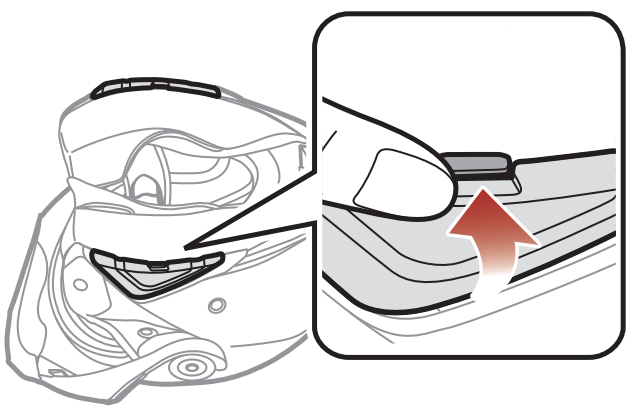
To securely install the **SRL-Mesh** on the **flip up helmet**, please follow this procedure.

2.1.1 Preparing the Helmet for Installation

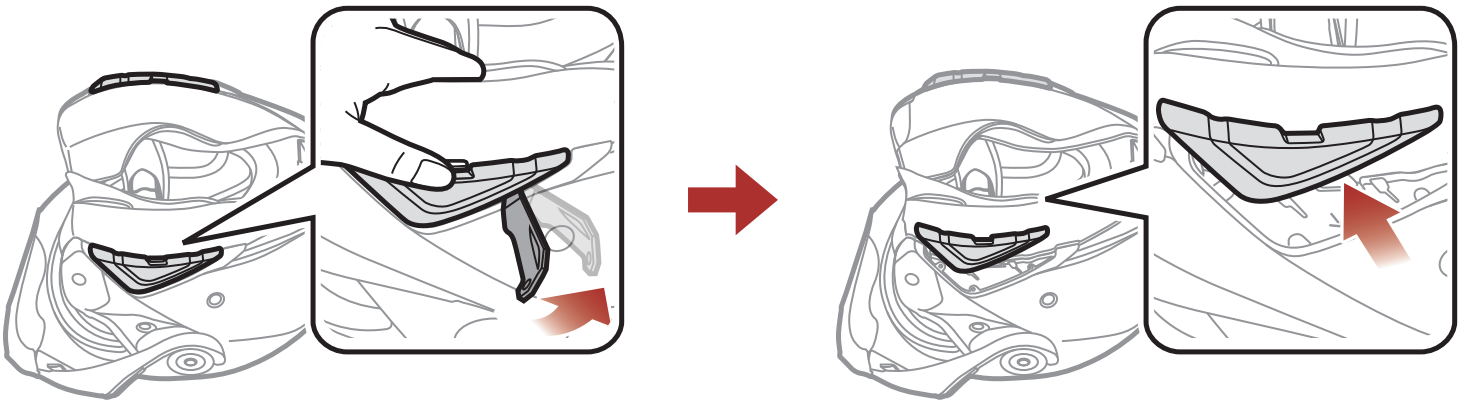
1. Press the open cover button. While pressing the button, lift the face cover completely.



2. Push the tab on the right cover with your thumb.

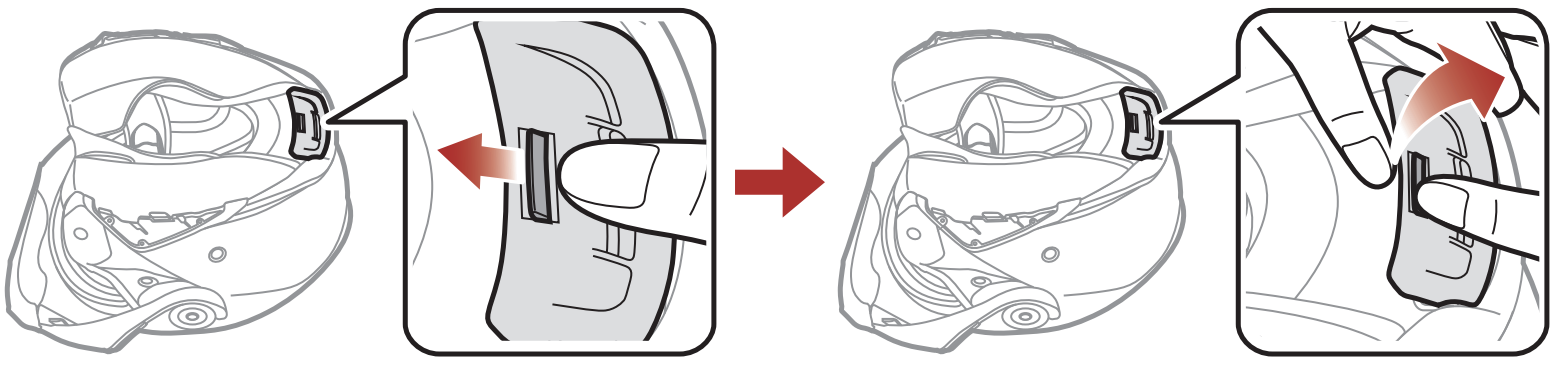


3. While pushing the tab, insert the service tool into the groove and push to remove the cover.

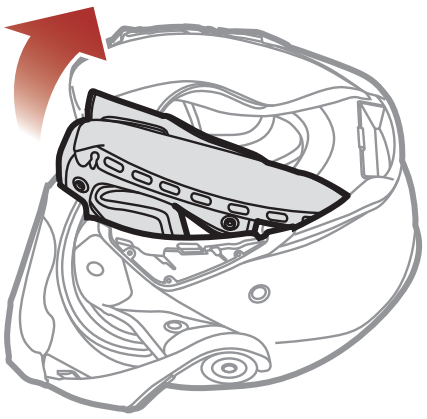


4. Repeat the process on the other side to remove the left cover.

5. Push the tab on the rear cover and remove the rear cover with your thumbs.

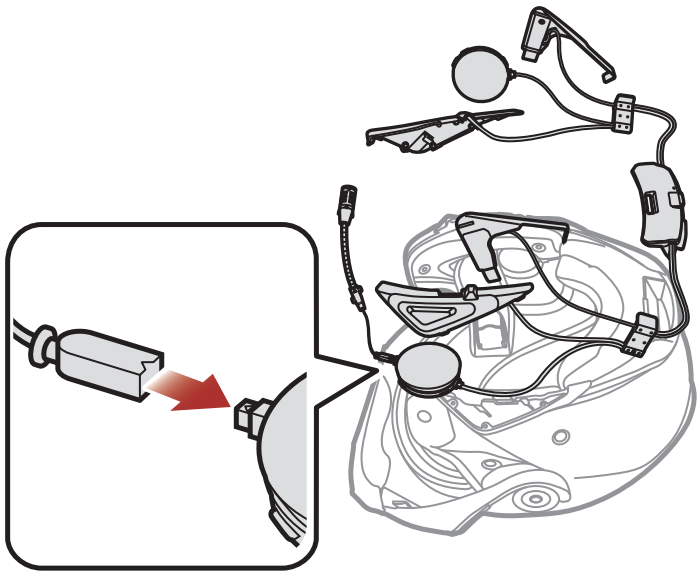


6. Detach the snap fasteners of the internal paddings and remove the paddings from the helmet.

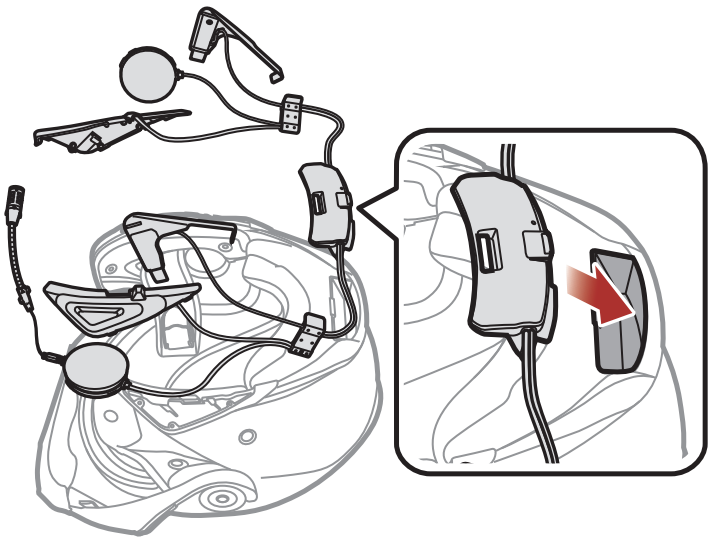


2.1.2 Installing the Headset

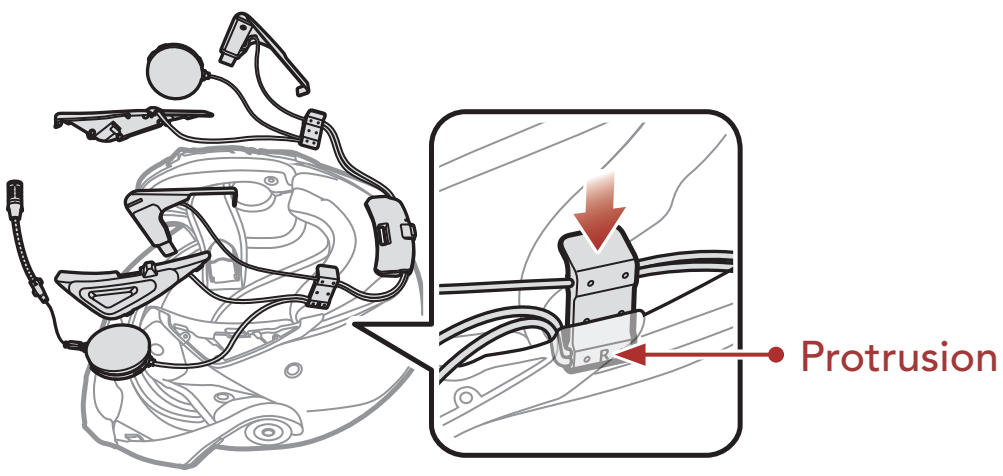
1. Align the arrows on the right side speaker unit with the microphone cable and insert the microphone cable into the microphone connector.



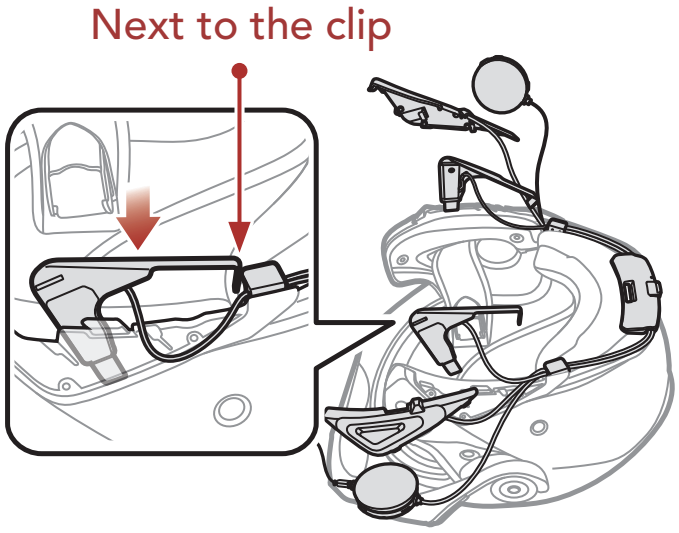
2. Facing the USB port on the Bluetooth Module toward the rear of the helmet, push the module into the corresponding slot until you hear a click.



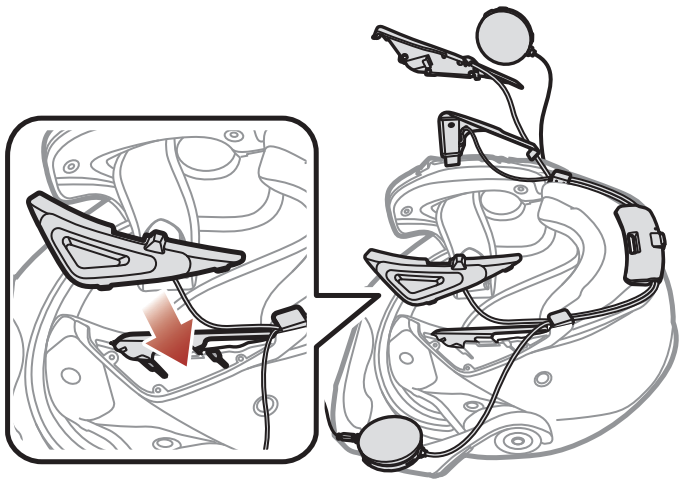
3. Slide the clip (R) between the inner and external shells along the protrusion.



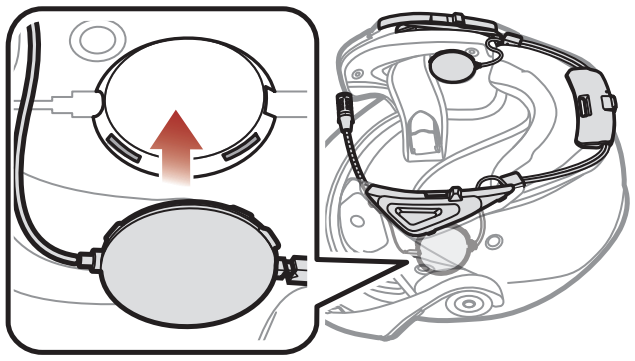
4. Insert the short end of the antenna next to the inserted clip and slide it between the inner and external shells.



5. Slide the **Button Module (R)** into the corresponding place. Make sure that the grooves under the button module fit the corresponding grooves.

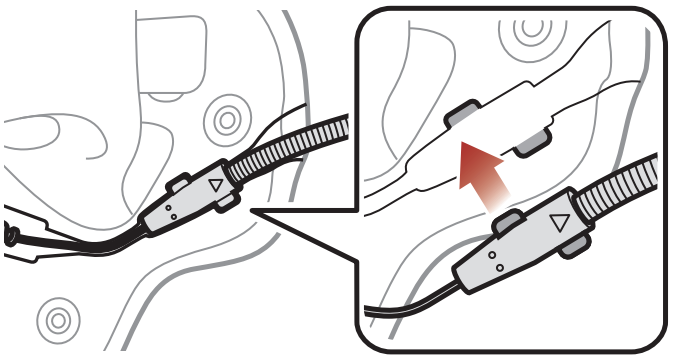


6. Insert the speaker into the grooves in the inner shell of the helmet.



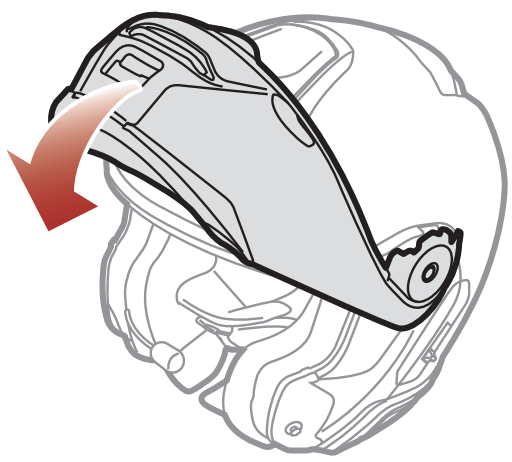
7. Repeat steps 3 to 6 on the other side.

8. Insert the Wired Boom Microphone into the grooves in the inner shell of the helmet.

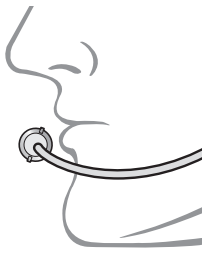


9. Reattach the internal paddings beginning with the rear and click the snap fasteners.

10. Lower the face cover completely.



11. Position the Wired Boom Microphone close to your mouth.

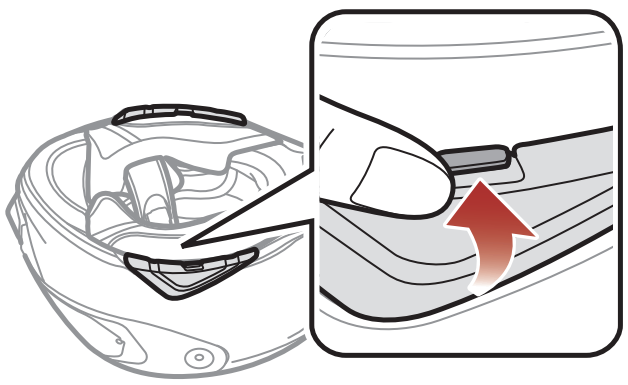


2.2 Full Face Helmet Installation

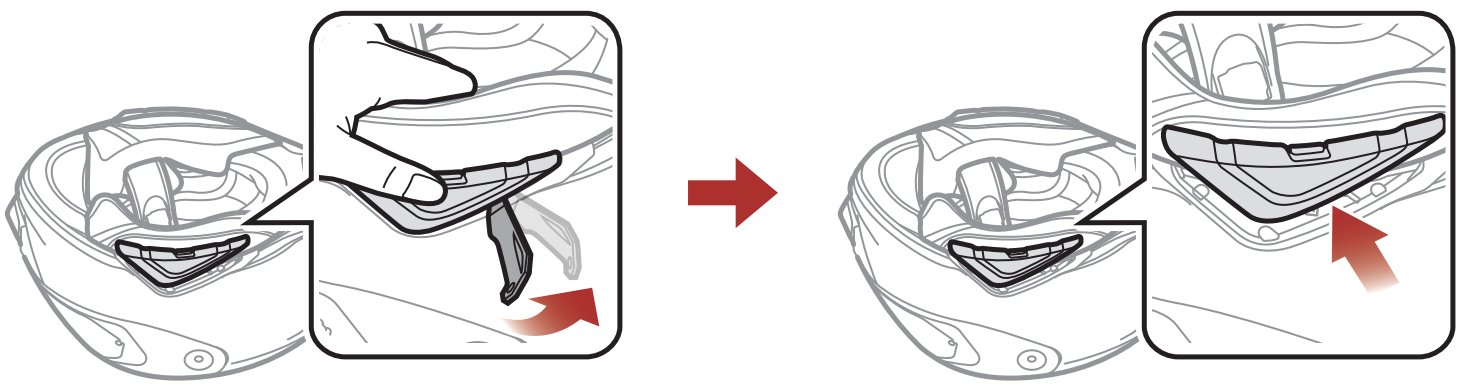
To securely install the **SRL-Mesh** on the **full face helmet**, please follow this procedure.

2.2.1 Preparing the Helmet for Installation

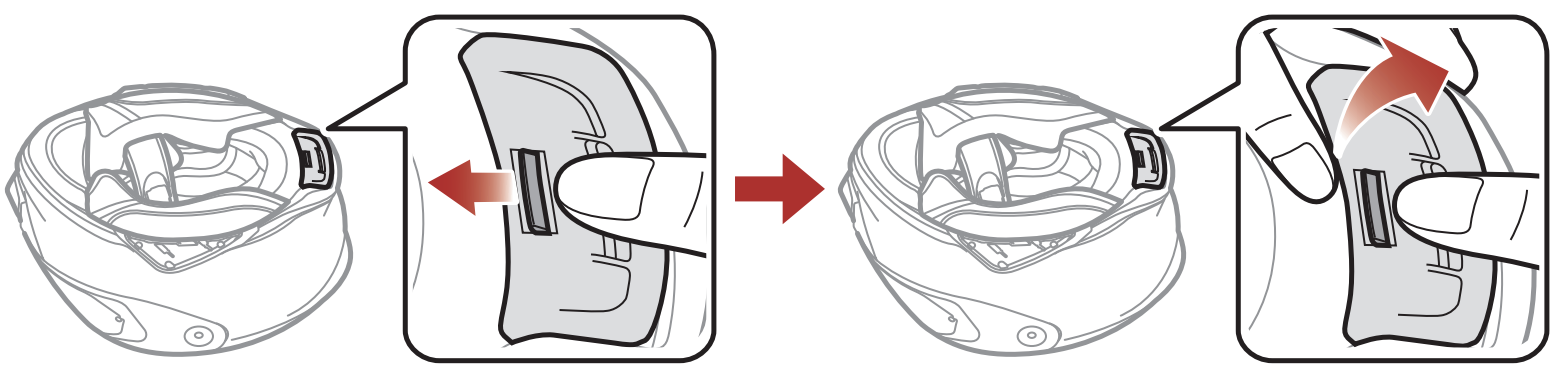
1. Push the tab on the right cover with your thumb.



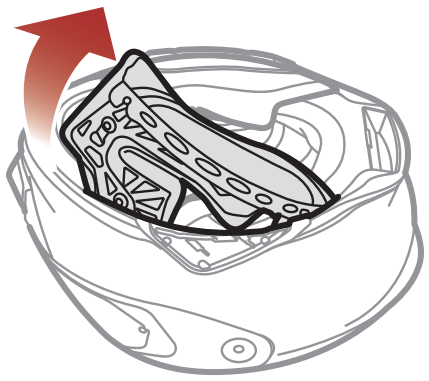
2. While pushing the tab, insert the service tool into the groove and push to remove the cover.



3. Repeat the process on the other side to remove the left cover.
4. Push the tab on the rear cover and remove the rear cover with your thumbs.

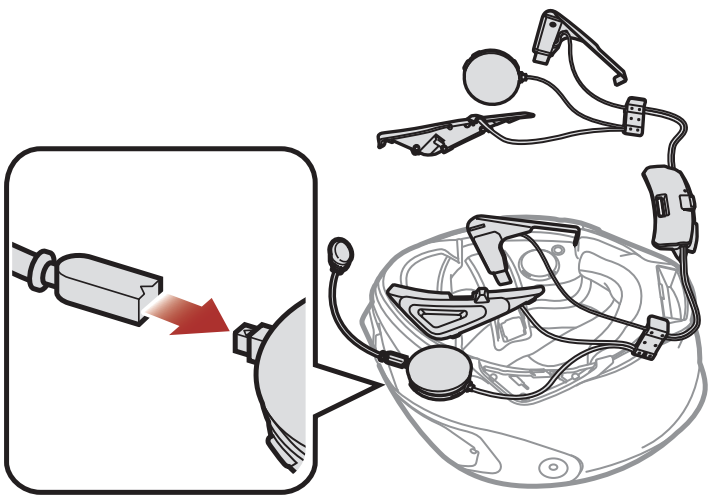


5. Detach the snap fasteners of the internal paddings and remove the paddings from the helmet.

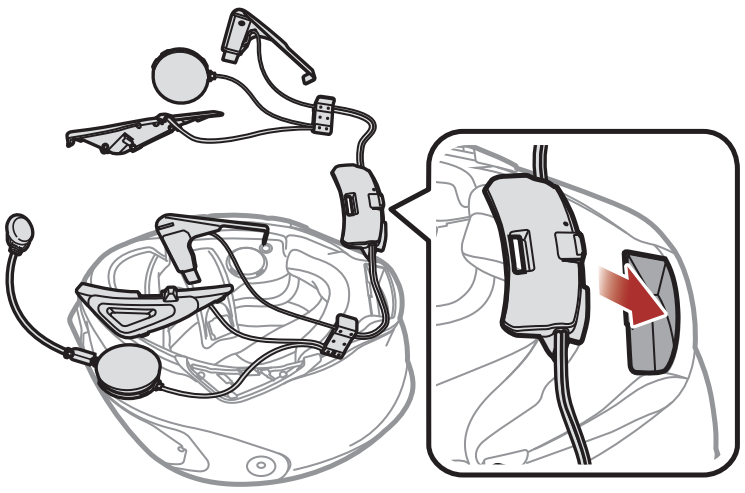


2.2.2 Installing the Headset

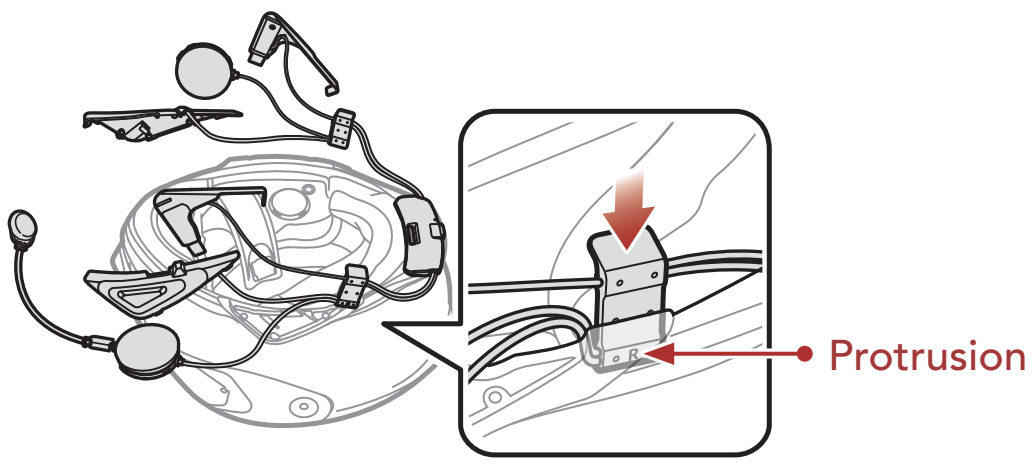
1. Align the arrows on the right side speaker unit with the microphone cable and insert the microphone cable into the microphone connector.



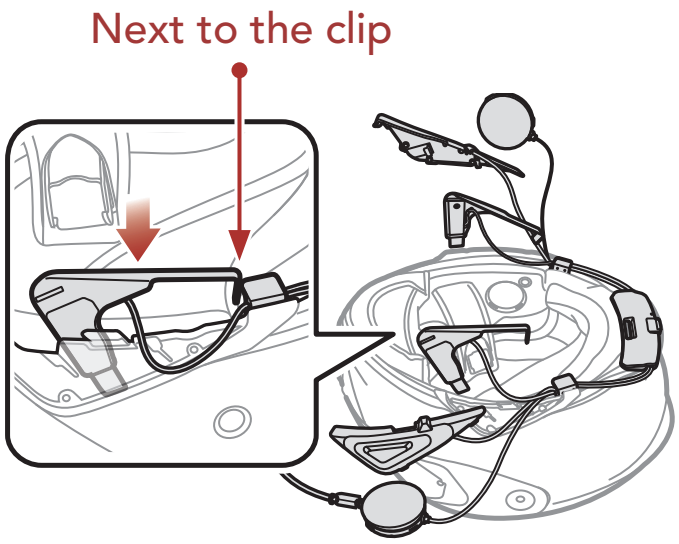
2. Facing the USB port on the Bluetooth Module toward the rear of the helmet, push the module into the corresponding slot until you hear a click.



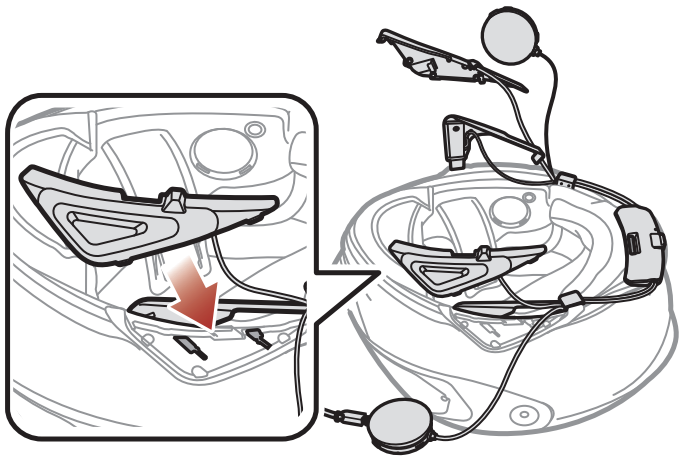
3. Slide the clip (R) between the inner and external shells along the protrusion.



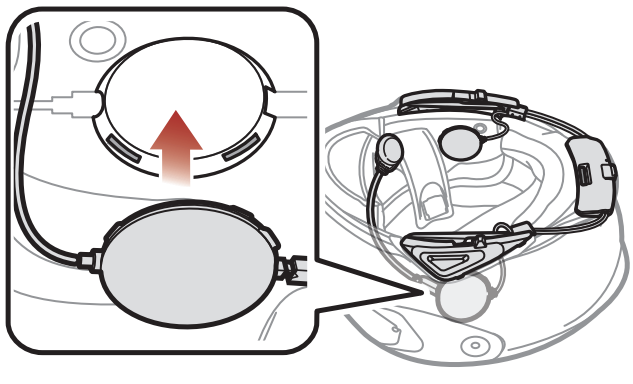
4. Insert the short end of the antenna next to the inserted clip and slide it between the inner and external shells.



5. Slide the **Button Module (R)** into the corresponding place. Make sure that the grooves under the button module fit the corresponding grooves.

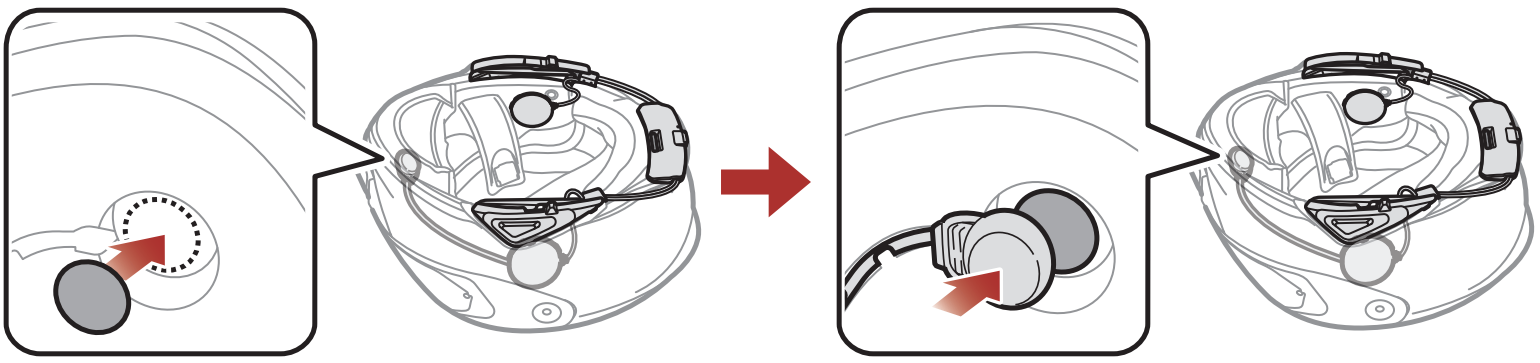


6. Insert the speaker into the grooves in the inner shell of the helmet.



7. Repeat steps 3 to 6 on the other side.

8. Peel off the cover of the adhesive tape of the hook and loop fastener for microphone and attach it to the inside of the helmet's chin guard. Then, attach the wired microphone to the hook and loop fastener.



9. Reattach the internal paddings beginning with the rear and click the snap fasteners.

3. GETTING STARTED

3.1 Downloadable Sena Software

3.1.1 Sena Motorcycles App

By simply pairing your phone with your headset, you can use the **Sena Motorcycles App** for quicker, easier set up and management.

- Download the **Sena Motorcycles App** on **Google Play Store** or **App Store**.

3.1.2 Sena Device Manager

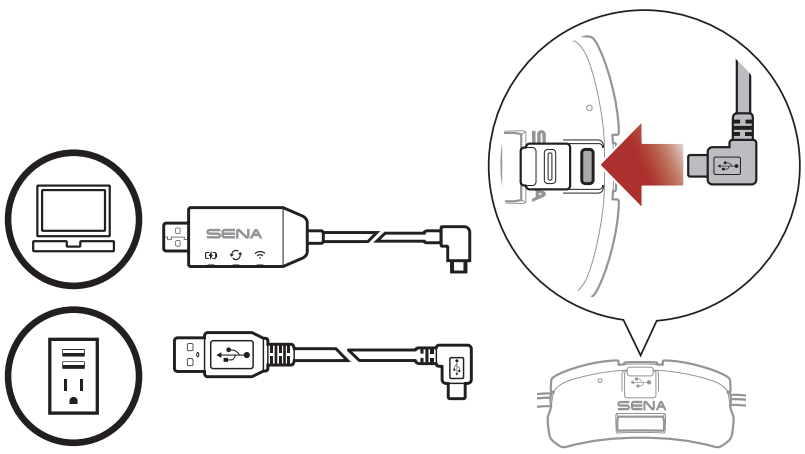
The **Sena Device Manager** allows you to upgrade firmware and configure settings directly from your PC.

Sena Device Manager

- Download the **Sena Device Manager** at **sena.com**.

3.2 Charging

Charging the headset



You can charge the headset by connecting the **WiFi Adapter** or a **USB Power & Data Cable (USB-C)**.

A **USB Power & Data Cable (USB-C)** is not included in the package.

The headset will be fully charged in about 2.5 hours. (The charging time may vary depending on the charging method.)

Note:

- Please make sure to take off your **SRL-Mesh**-installed helmet while charging. The headset automatically turns off during charging.
- Any 3rd party USB charger can be used with Sena products if the charger is approved by either the FCC, CE, IC, or other locally approved agencies.
- Use of a non-approved charger may cause fire, explosion, leakage, and other hazards which may also reduce the life time or performance of the battery.

3.3 Legend

Tap button the specified number of times

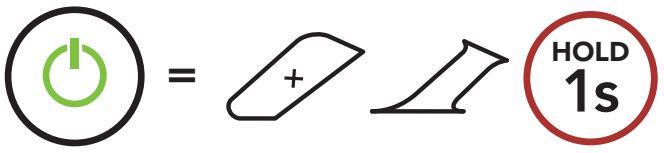
Press and Hold button for the specified amount of time

"Hello"

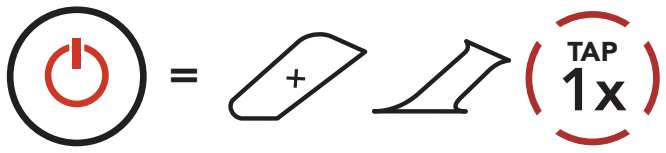
Audible prompt

3.4 Powering On and Off

Powering On



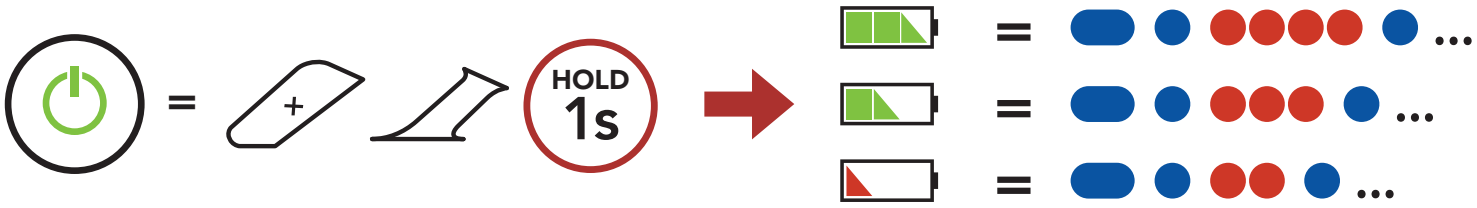
Powering Off



3.5 Checking the Battery Level

Instructions are for when powering the headset on.

Powering On

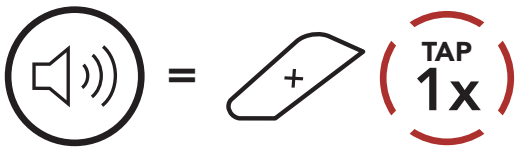


Note: When the battery is low while in use, you will hear a voice prompt saying **"Low battery."**

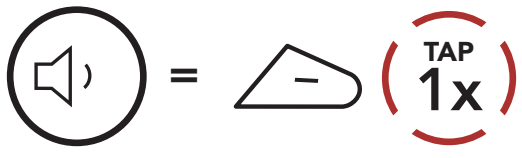
3.6 Volume Adjustment

You can raise or lower the volume by tapping the **(+) Button** or the **(-) Button**. Volume is set and maintained independently at different levels for each audio source (i.e., phone, intercom), even when the headset is rebooted.

Volume Up



Volume Down



4. PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES

When using the headset with other Bluetooth devices for the first time, they will need to be "paired." This enables them to recognize and communicate with one another whenever they are within range.

The headset can pair with multiple Bluetooth devices such as a mobile phone or GPS via **Mobile Phone Pairing, Second Mobile Phone Pairing** and **GPS Pairing**. The headset can also be paired with up to three other Sena headsets.

Pairs with up to Three Sena headsets

4.1 Phone Pairing

1. While the headset is on, press and hold the **Center Button** for **10 seconds**.

2. Tap the **(+) Button**.

3. Select **SRL-Mesh** in the list of Bluetooth devices detected. If your mobile phone asks for a PIN, enter 0000.

Note: When you turn on the SRL-Mesh for the first time or reboot it after a factory reset, the SRL-Mesh will automatically enter phone pairing mode.

4.2 Second Mobile Phone Pairing

1. Press and hold the **Center Button** for **10 seconds**.

2. Double tap the **(+) Button**.

3. Select **SRL-Mesh** in the list of Bluetooth devices detected. If your Bluetooth device asks for a PIN, enter 0000.

4.3 Advanced Selective Pairing: Hands-Free or A2DP Stereo

Phone Pairing allows the headset to establish two Bluetooth profiles: **Hands-Free** or **A2DP Stereo**. **Advanced Selective Pairing** allows the headset to separate the profiles to enable connection with two devices.

4.3.1 Phone Selective Pairing - Hands-Free Profile

1. Press and hold the **Center Button** for **10 seconds**.

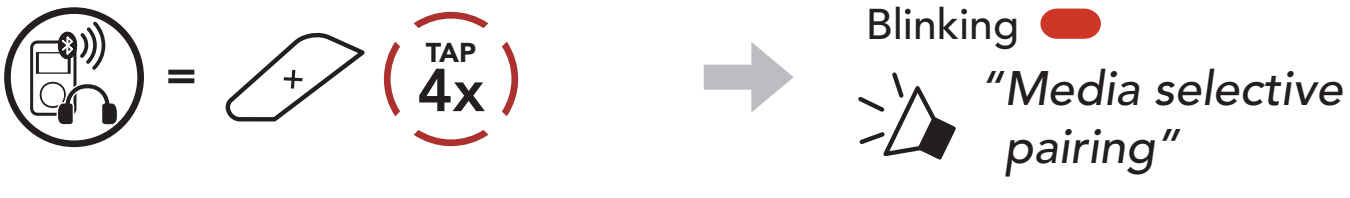
2. Tap the **(+) Button 3 times**.

3. Select **SRL-Mesh** in the list of Bluetooth devices detected. If your mobile phone asks for a PIN, enter 0000.

4.3.2 Media Selective Pairing - A2DP Profile

1. Press and hold the **Center Button** for **10 seconds**.

2. Tap the **(+) Button 4 times**.



3. Select **SRL-Mesh** in the list of Bluetooth devices detected. If your mobile phone asks for a PIN, enter 0000.

4.4 GPS Pairing

1. Press and hold the **Center Button** for **10 seconds**.

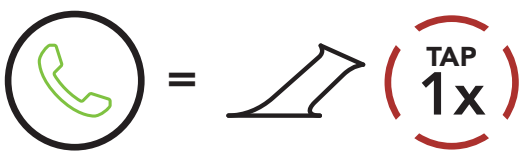
2. Tap the **(+) Button 5 times**.

3. Select **SRL-Mesh** in the list of devices detected. If your Bluetooth device asks for a PIN, enter 0000.

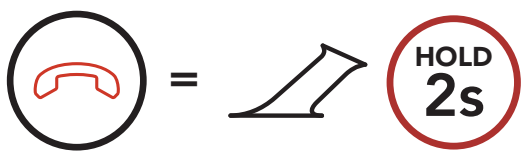
5. MOBILE PHONE USAGE

5.1 Making and Answering Calls

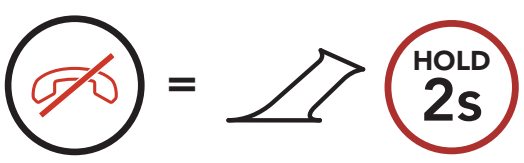
Answer a Call



End a Call



Reject a Call



5.2 Siri and Google Assistant

The **SRL-Mesh** supports the **Siri** and **Google Assistant** access directly. You can activate the **Siri** or **Google Assistant** using the voice through the **SRL-Mesh**'s microphone, a wake word will be used. This is a word or a group of words such as **"Hey Siri"** or **"Hey Google."**

Activate the Siri or Google Assistant Installed on Your Smartphone

5.3 Speed Dialing

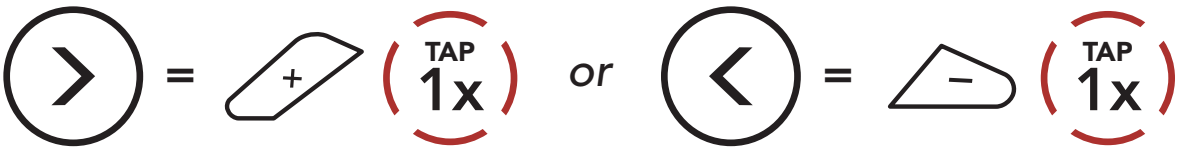
5.3.1 Assigning Speed Dial Presets

Speed Dial Presets could be assigned through the **Sena Motorcycles App**.

5.3.2 Using Speed Dial Presets

1. Enter into the **Speed Dial** menu.

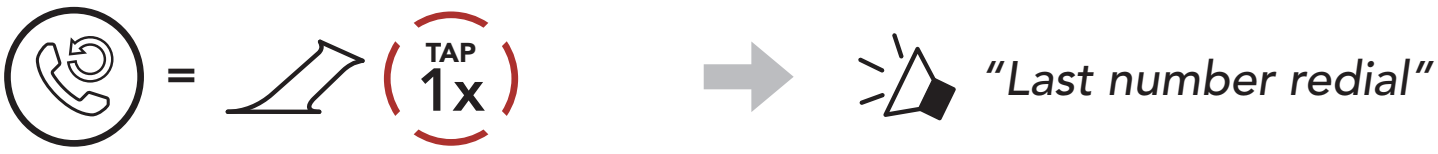
2. Navigate forward or backward through **Speed Dial Preset** numbers.



(1) Last number redial
(2) Speed dial 1
(3) Speed dial 2
(4) Speed dial 3
(5) Cancel

3. Call one of your **Speed Dial Presets** numbers.

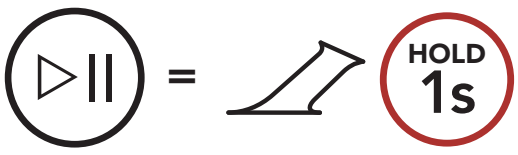
4. Redial the last number called.



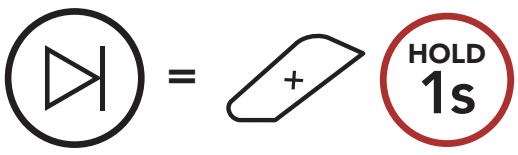
6. STEREO MUSIC

6.1 Bluetooth Stereo Music

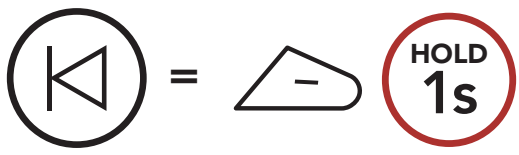
Play/Pause Music



Next Track



Previous Track



6.2 Music Sharing

You can start sharing music with one intercom friend using Bluetooth stereo music during a two-way intercom conversation and one participant of a Mesh. If you start sharing music while Bluetooth intercom and Mesh Intercom are running at the same time, then music shared during Bluetooth intercom will take priority over music shared during Mesh Intercom.

Note:

- Both you and your intercom friend can remotely control music playback such as track forward and track back.
- **Music sharing** will be paused when you are using your mobile phone or listening to GPS instructions.
- **Music sharing** will be terminated if the headset starts a multi-way intercom conference.

6.2.1 Bluetooth Intercom Music Sharing

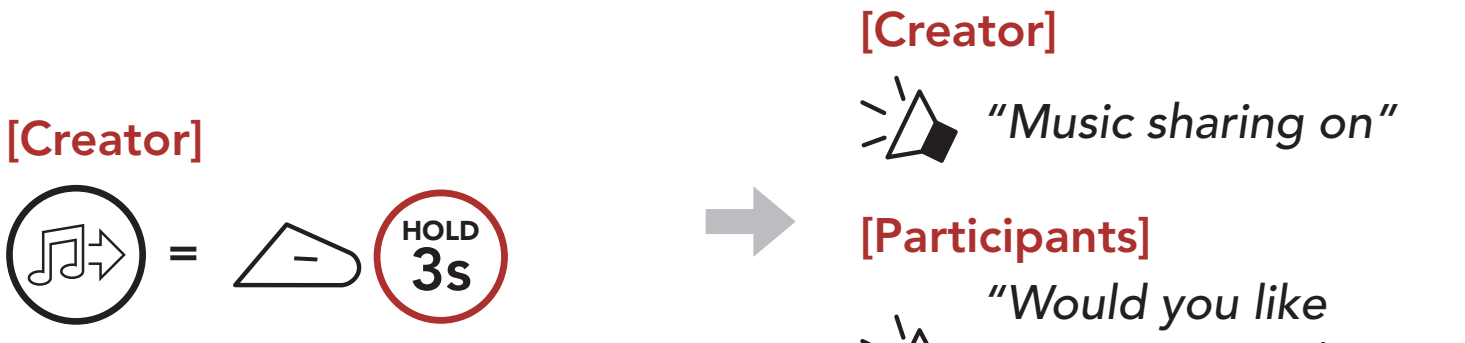
You can start sharing the music with one intercom friend of a two-way intercom conversation.

Start/Terminate Sharing Music

6.2.2 Mesh Intercom Music Sharing

You can start sharing music with one participant of a **Mesh Intercom**.

1. The **Creator** will send a request message to **participants** connected during **Mesh Intercom**.



2. The **Creator** will share music with the **first participant** that accepts the request.

[Participant] Accept

[Participant] Refuse

7. MESH INTERCOM

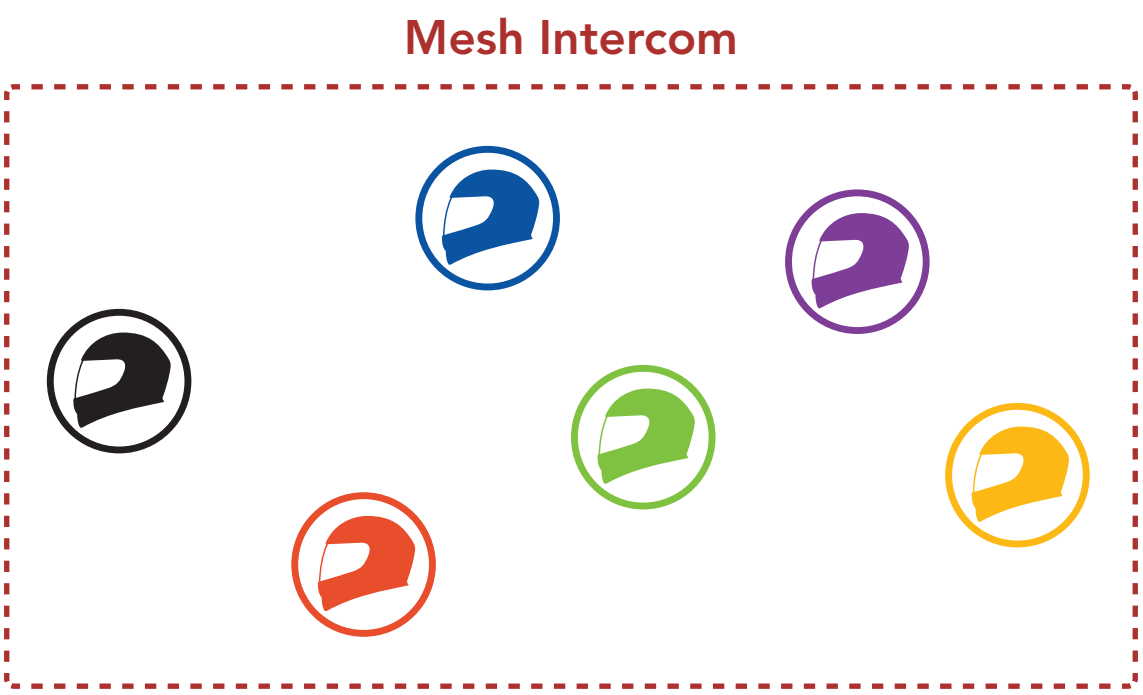
7.1 What is Mesh Intercom?

Mesh Intercom™ is a dynamic communication system created by Sena that provides instant and effortless bike-to-bike communication without a pre-grouping process. **Mesh Intercom** allows users to connect and communicate with nearby users without the need to pair each headset together.

The working distance between each **SRL-Mesh** in **Mesh Intercom** can be up to 1.2 mi (2 km) in open terrain. In open terrain, the **Mesh** can be extended up to 5 mi (8 km) between a minimum of six users.

Users can communicate in two modes:

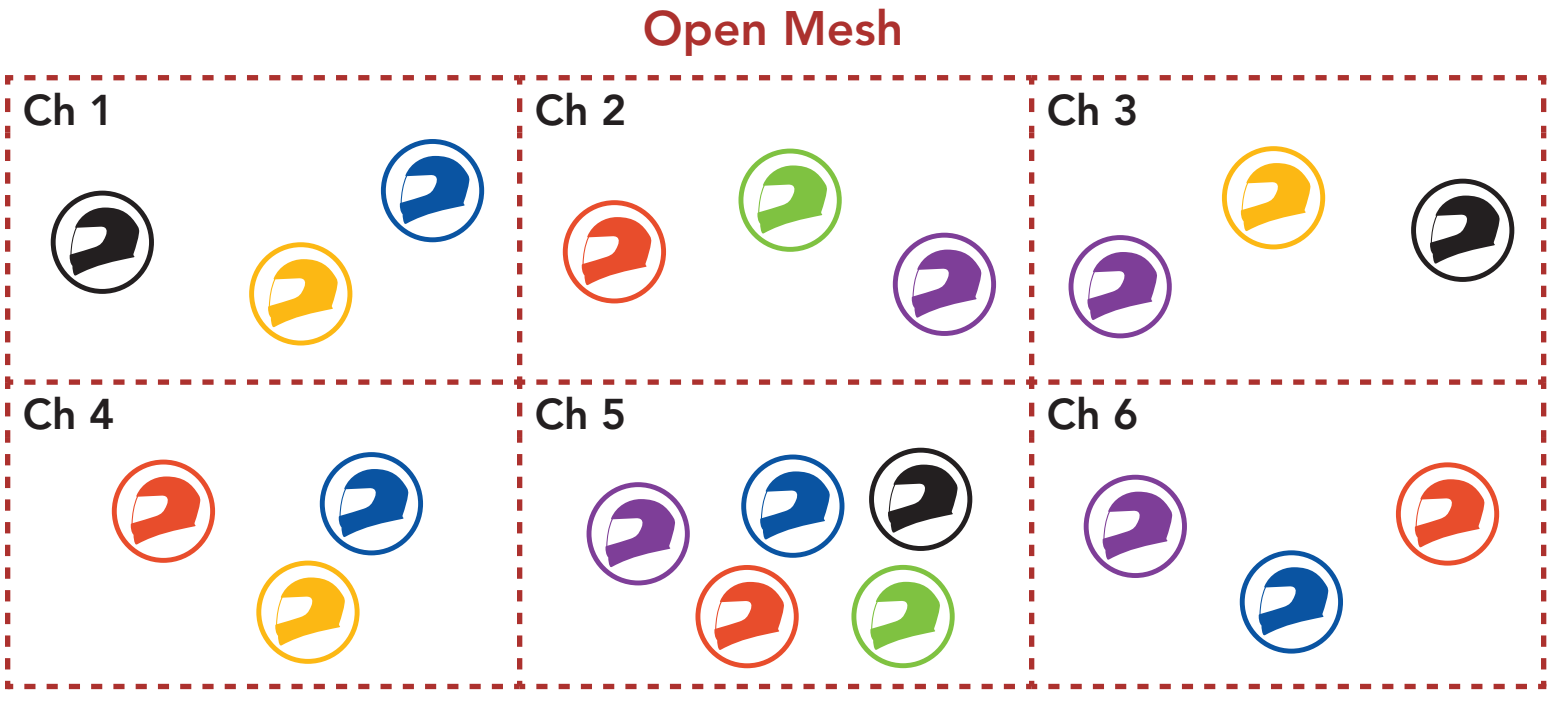
- Open Mesh™ for open group intercom conversations.
- Group Mesh™ for private group intercom conversations.



7.1.1 Open Mesh

Open Mesh is an open group intercom function. Users can freely communicate with each other in the same **Open Mesh** channel and select which channel (1-6) to use through the headset.

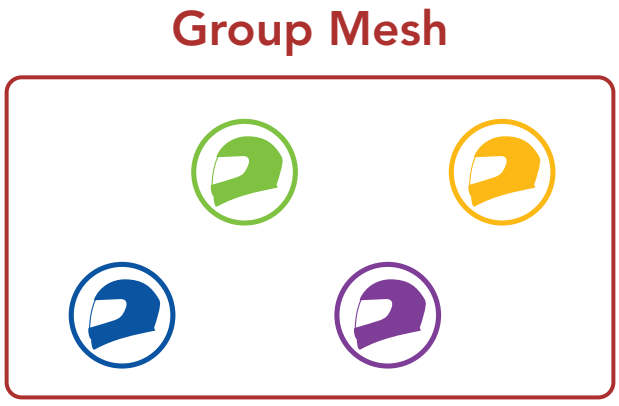
It can connect with a virtually unlimited number of users in each channel.



7.1.2 Group Mesh

Group Mesh is a closed group intercom function that allows users to join, leave, or rejoin a group intercom conversation without pairing each headset. Users can freely communicate with each other in the same private group in **Group Mesh**.

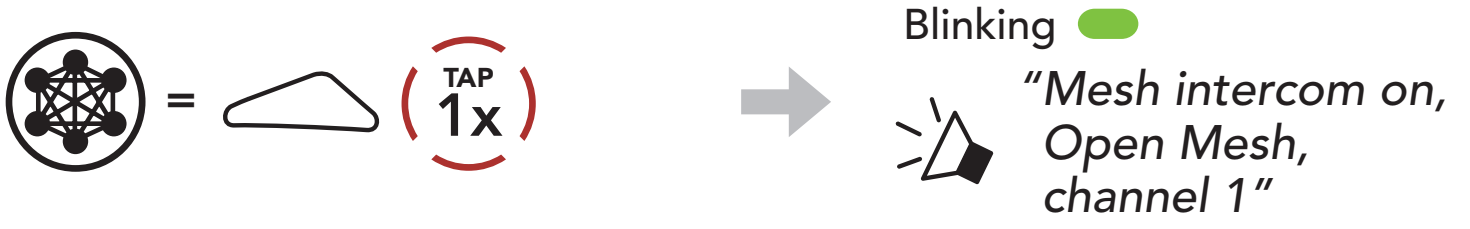
For closed intercom conversations using **Mesh Intercom**, a **Group Mesh** needs to be created by the users. When users create a private group in **Group Mesh** by **Mesh Grouping**, the headset automatically switches from **Open Mesh** to **Group Mesh**. Up to 24 users can all be connected in each private group.



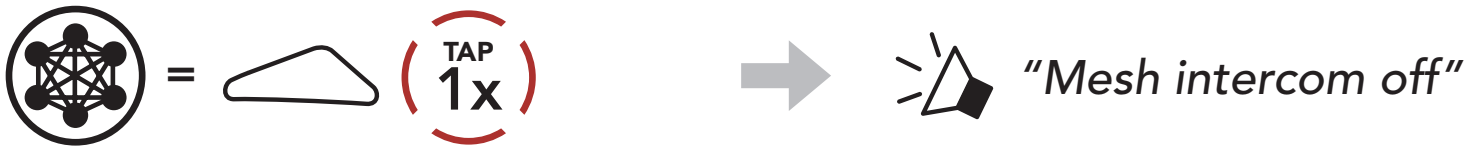
7.2 Starting Mesh Intercom

When **Mesh Intercom** is enabled, the **SRL-Mesh** will automatically connect to nearby **SRL-Mesh** users and allow them to talk to each other.

Mesh Intercom On



Mesh Intercom Off



7.3 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**.

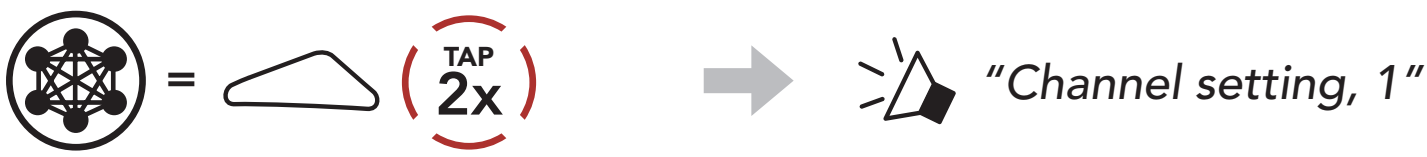
7.4 Using the Mesh in Open Mesh

When **Mesh Intercom** is enabled, the headset will be in **Open Mesh (default: channel 1)** initially.

7.4.1 Channel Setting (Default: channel 1)

If the **Open Mesh** communication experiences interference because other groups are also using **channel 1 (default)**, change the channel. You can select from channels 1 to 6.

1. Double tap the **Mesh Intercom Button**.



2. Navigate between channels.

3. Save the channel.

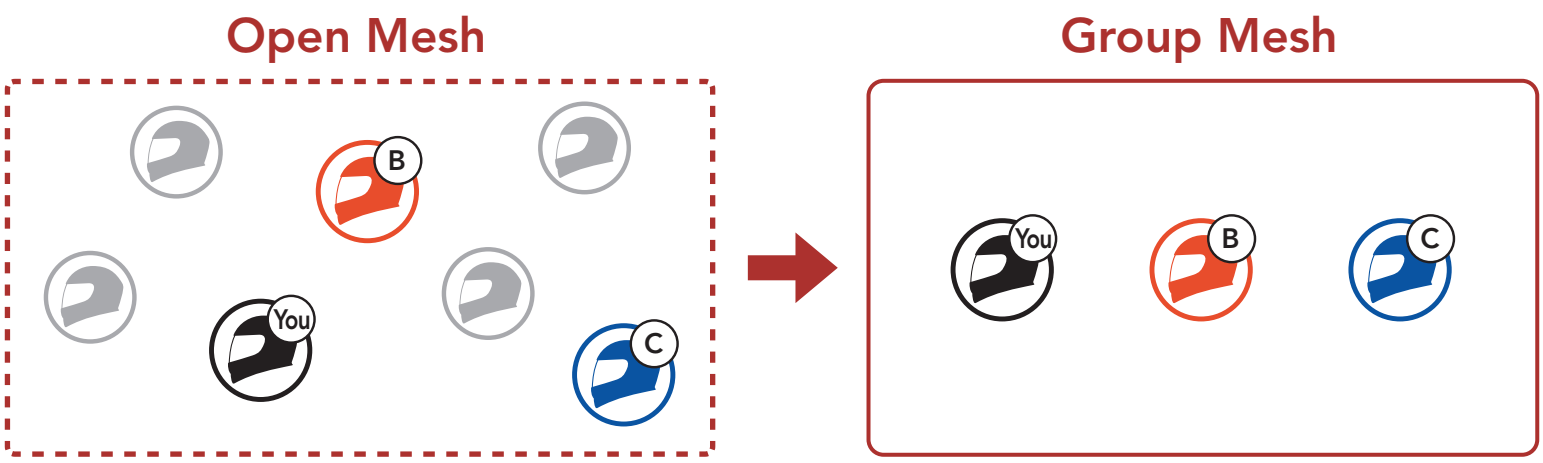
Note:

- If you do not press any button for approximately **10 seconds** in a specific channel, the channel is automatically saved.
- The channel will be remembered even if you turn off the **SRL-Mesh**.
- You can use the **Sena Motorcycles App** to change the channel.

7.5 Using Mesh in Group Mesh

7.5.1 Creating a Group Mesh

Creating a **Group Mesh** requires **two or more Open Mesh users**.



1. To enter **Mesh Grouping** to create a **Group Mesh**, press and hold the **Mesh Intercom Button** for **5 seconds** on the headset of the **users (You, B, and C)**.

2. When **Mesh Grouping** is completed, the **users (You, B and C)** will hear a voice prompt on their headsets as **Open Mesh** switches to **Group Mesh**.

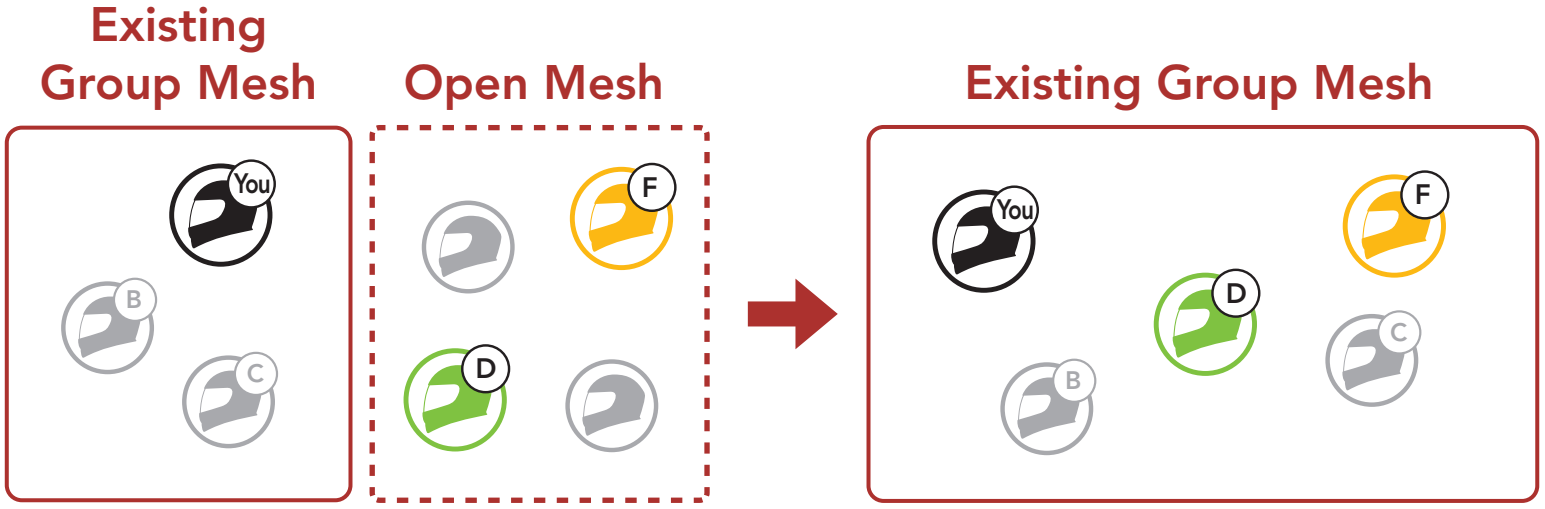
"Group Mesh"

Note:

- If the **Mesh Grouping** is not completed within **30 seconds**, users will hear a voice prompt, **"Grouping failed."**
- If you want to cancel during the **Mesh Grouping**, tap the **Mesh Intercom Button**.

7.5.2 Joining an Existing Group Mesh

One of the current users in an **Existing Group Mesh** can allow **new users (one or more)** in **Open Mesh** to join the **Existing Group Mesh**.



1. To enter **Mesh Grouping** to join the **Existing Group Mesh**, press and hold the **Mesh Intercom Button** for **5 seconds** on the headsets of **one (You) of the current users** in the **Existing Group Mesh** and the **new users (D and F)** in **Open Mesh**.

"Mesh grouping"

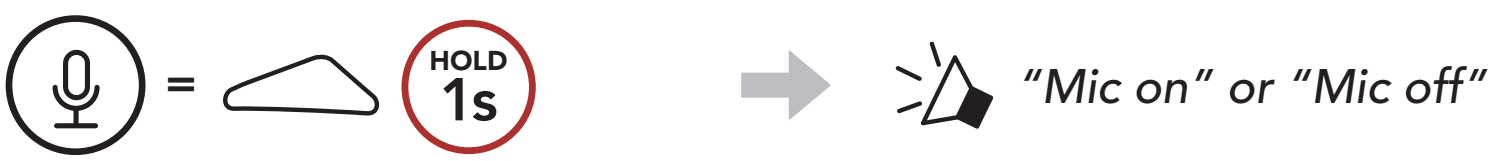
2. When **Mesh Grouping** is completed, the **new users (D and F)** will hear a voice prompt on their headsets as **Open Mesh** switches to **Group Mesh**.

"Group Mesh"

Note: If the **Mesh Grouping** is not completed within **30 seconds**, the current user (You) will hear low-toned double beeps and the new users (D and F) will hear a voice prompt, **"Grouping failed."**

7.6 Enable/Disable Mic (Default: Enable)

Users can enable/disable the microphone when communicating in a **Mesh Intercom**.

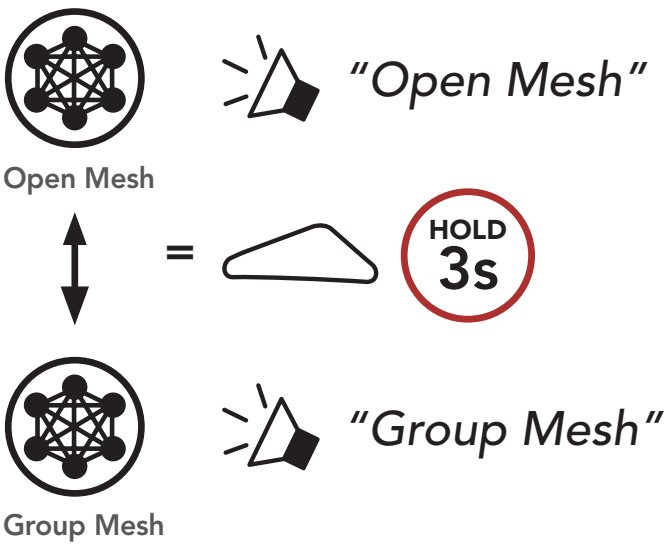


7.7 Toggling Open Mesh/Group Mesh

Users are able to toggle between **Open Mesh** and **Group Mesh** without resetting the **Mesh**. This allows users to keep the **Group Mesh Network** connection information while in **Open Mesh**.

Users can toggle to **Group Mesh** to communicate with participants from the stored **Group Mesh Network** connection information.

Toggle Between Open Mesh and Group Mesh

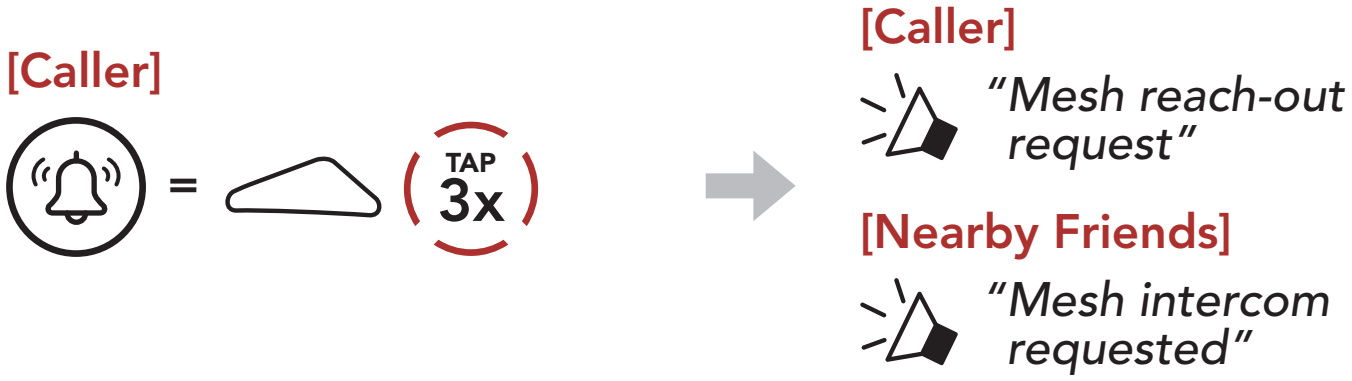


Note: If you have never participated in **Group Mesh**, you cannot toggle between **Open Mesh** and **Group Mesh**. You will hear a voice prompt, **"No group available."**

7.8 Mesh Reach-Out Request

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

1. If you want to send or receive a request message, you need to enable **Mesh Reach-Out** on the **Sena Motorcycles App**. Please refer to **Section 14.2: "Software Configuration Setting."**
2. While your headset's Mesh Intercom is on, you (caller) send a request message using the **headset's Button** or the **Sena Motorcycles App**.



3. Friends who receive the request message need to manually turn on their Mesh Intercom using the **headset's Button** or the **Sena Motorcycles App**.

Note:

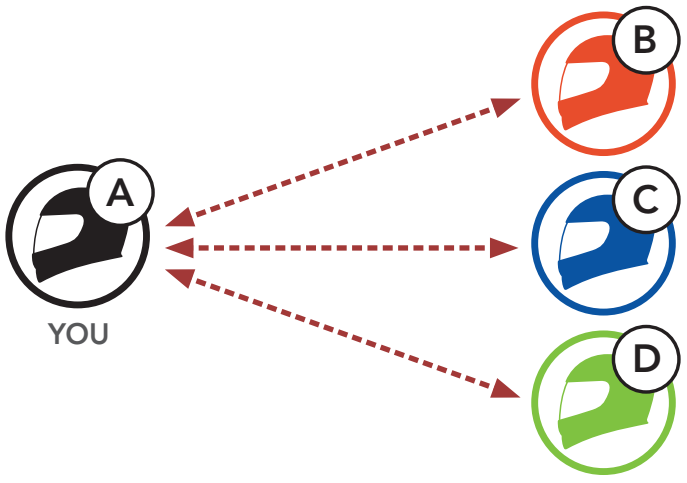
- *: Up to 109 yds (100 m) in open terrain
- To use the **Mesh Reach-Out Request** function, **you (caller) who sends a request message and the friends who receive the request message must update the headset to the latest firmware version and the app to the latest version**.

7.9 Reset Mesh

If the headset in an **Open Mesh** or **Group Mesh** resets the **Mesh**, it will automatically return to **Open Mesh (default: channel 1)**.

8. BLUETOOTH INTERCOM

Up to three other people can be paired with the headset for Bluetooth intercom conversations.



8.1 Intercom Pairing

There are two ways to pair the headset.

8.1.1 Using the Smart Intercom Pairing (SIP)

SIP allows you to quickly pair with your friends for intercom communication by scanning the QR code on the **Sena Motorcycles App** without remembering the button operation.

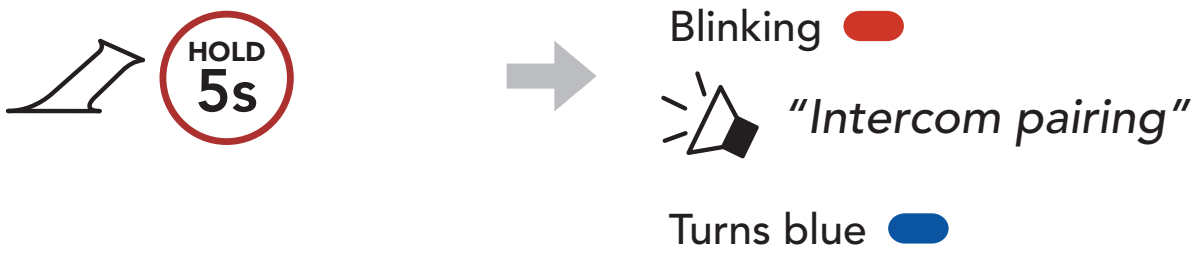
1. Pair the mobile phone with the headset.
2. Open the **Sena Motorcycles App** and tap (**Smart Intercom Pairing Menu**).
3. Scan the **QR code** displayed on your friend **(B)**'s mobile phone.
   - Your friend **(B)** can display the QR code on the mobile phone by tapping > **QR code** () on the **Sena Motorcycles App**.

4. Tap **Save** and check that your friend **(B)** is paired with **you (A)** correctly.
5. Tap **Scan** (📷) and repeat steps 3-4 to pair with **Intercom Friends (C)** and **(D)**.

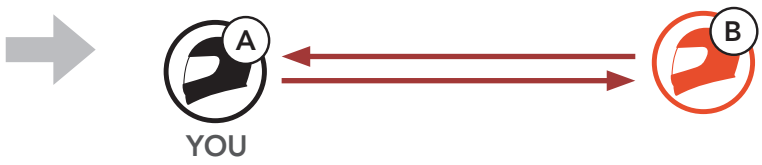
Note: The **Smart Intercom Pairing (SIP)** is not compatible with Sena products that use **Bluetooth 3.0** or **below**.

8.1.2 Using the Button

1. **Users (You, B)** enter into **Intercom Pairing**.



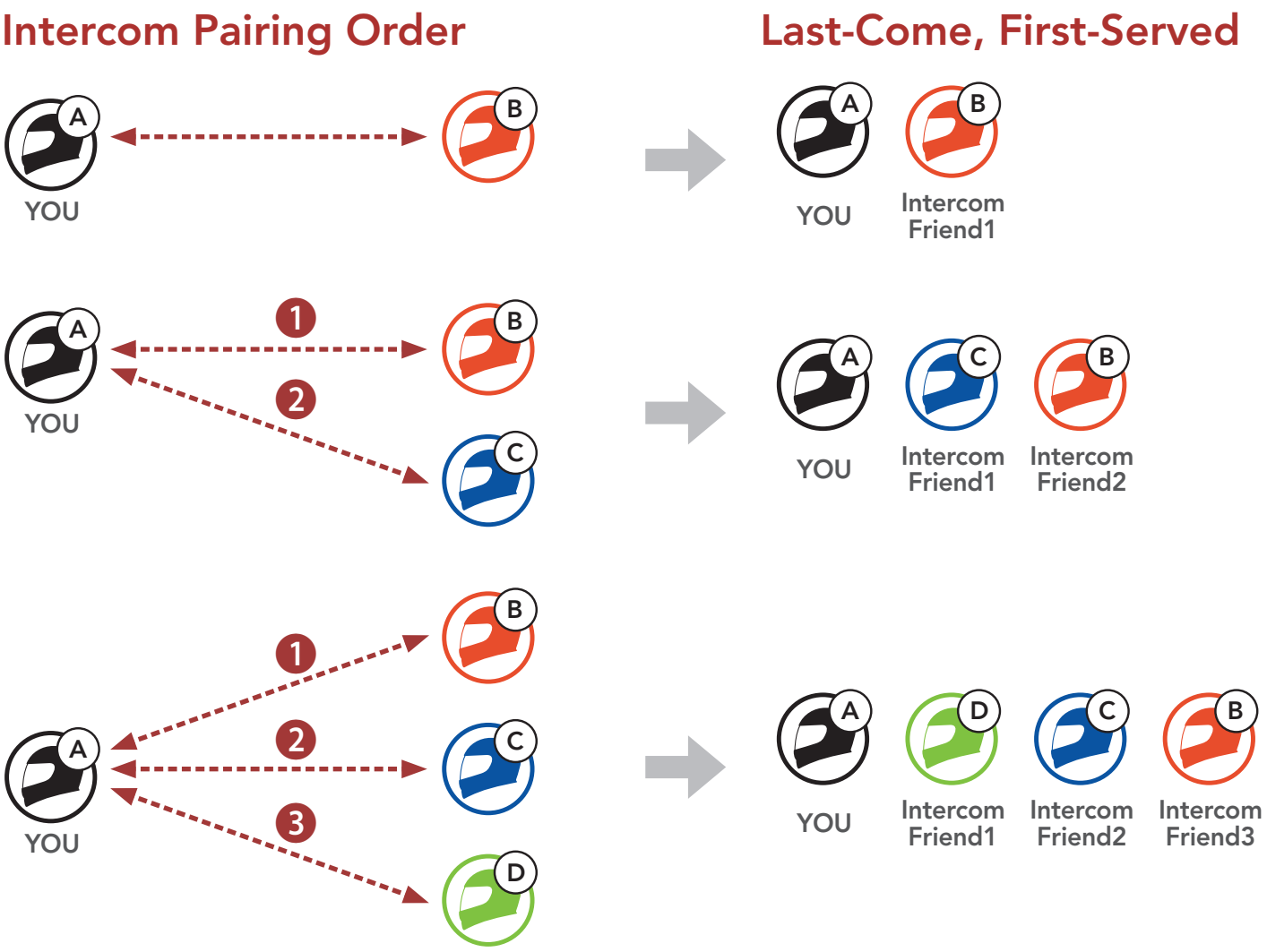
2. The **two headsets (A and B)** will be automatically paired.



3. Repeat the steps above to pair with **other headsets (C and D)**.

8.2 Last-Come, First-Served

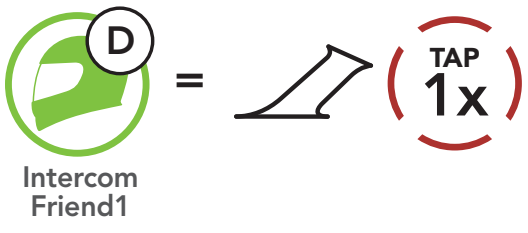
The intercom pairing queue is **Last-Come**, **First-Served**. If the headset has multiple paired headsets for intercom conversations, the last paired headset is set as the **First Intercom Friend**. For example, after the pairing procedures listed above, **headset (D)** is the **First Intercom Friend** of headset (A). **Headset (C)** is the **Second Intercom Friend** of headset (A), and **headset (B)** is the **Third Intercom Friend** of headset (A).



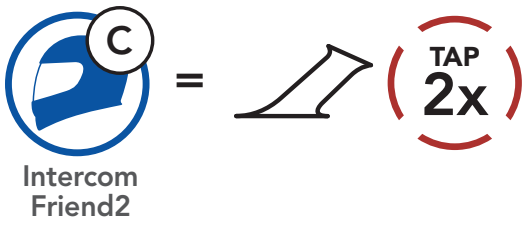
8.3 Two-Way Intercom

You can start or end an intercom conversation with an **Intercom Friend**.

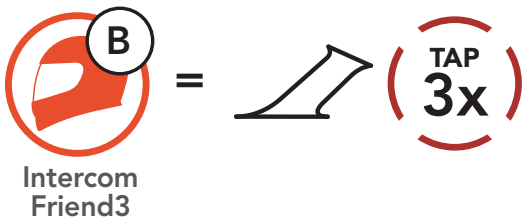
Start/End Conversation with the First Intercom Friend D



Start/End Conversation with the Second Intercom Friend C



Start/End Conversation with the Third Intercom Friend B



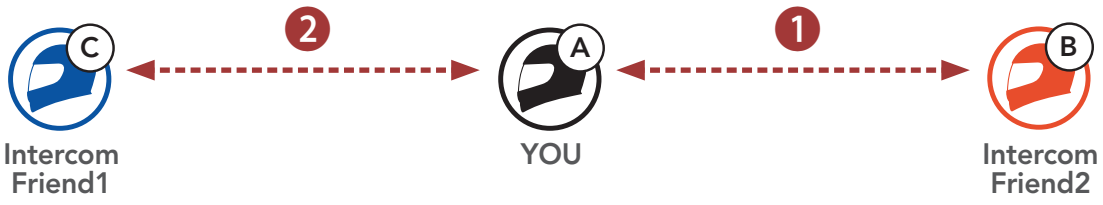
8.4 Multi-Way Intercom

Multi-Way Intercom enables conference-call-style conversations with up to **three Intercom Friends** at the same time. While **Multi-Way Intercom** is in progress, the mobile phone connection is temporarily disconnected. However, as soon as **Multi-Way Intercom** terminates, the mobile phone connection will be reestablished.

8.4.1 Starting a Three-Way Intercom Conference

You (A) can have a **Three-Way Intercom Conference** with two other **Intercom Friends (B and C)** by establishing two intercom connections simultaneously.

1. **You (A)** need to be paired with two other **Intercom Friends (B and C)** for the **Three-Way Intercom Conference**.



2. Start an intercom conversation with the **First Intercom Friend (C)** by tapping the **Center Button**.

3. **You (A)** can call the **Second Intercom Friend (B)** by double tapping the **Center Button**, or the **Second Intercom Friend (B)** may join the intercom by making an intercom call to **you (A)**.

4. Now **you (A)** and **two Intercom Friends (B and C)** are having a **Three-Way Intercom Conference**.

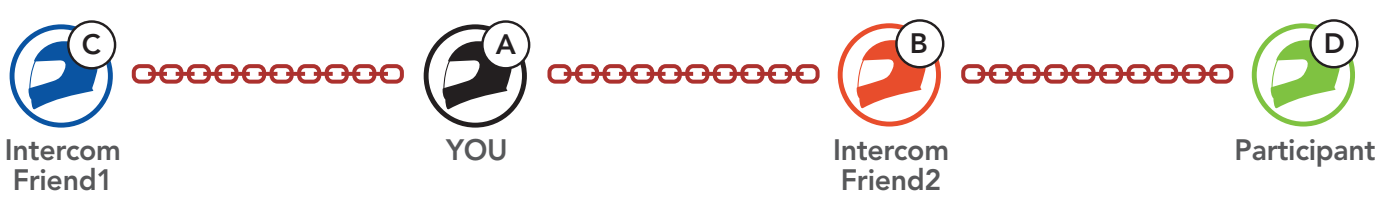
8.4.2 Starting a Four-Way Intercom Conference

With **three Intercom Friends** connected, a new participant **(D)** can make it a **Four-Way Intercom Conference** by making an intercom call to either **(B)** or **(C)**.

1. **Intercom friend (B)** needs to be paired with a **new participant (D)**.

2. **Intercom friend (B)** can call a **new participant (D)** by tapping the **Center Button**, or a **new participant (D)** may join the intercom by making an intercom call to **Intercom friend (B)**.

3. Now **you (A)**, **two Intercom Friends (B and C)**, and a **new participant (D)** are having a **Four-Way Intercom Conference**.



8.4.3 Ending Multi-Way Intercom

You can completely terminate the conference intercom or just disconnect an intercom connection with one of your active **Intercom Friends**.

Terminate All Intercom Connections

- Press and hold the **Center Button** for **3 seconds**.

Disconnect the Intercom Connection with One of the Intercom Friends

- Disconnect (C): Tap the **Center Button**.
- Disconnect (B) & (D): Double tap the **Center Button**.

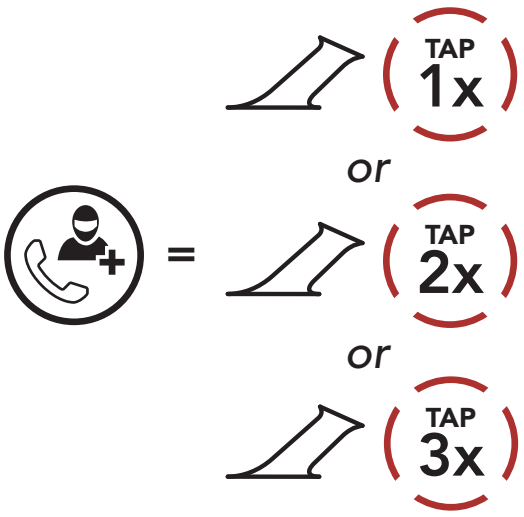
Note: When you disconnect the **second friend (B)**, you will be disconnected with the **third participant (D)** as well. This is because the **third participant (D)** is connected with you via the **second friend (B)**.

8.5 Three-Way Conference Phone Call with Intercom Users

You can have a **Three-Way Conference Phone Call** by adding an **Intercom Friend** to the mobile phone conversation.

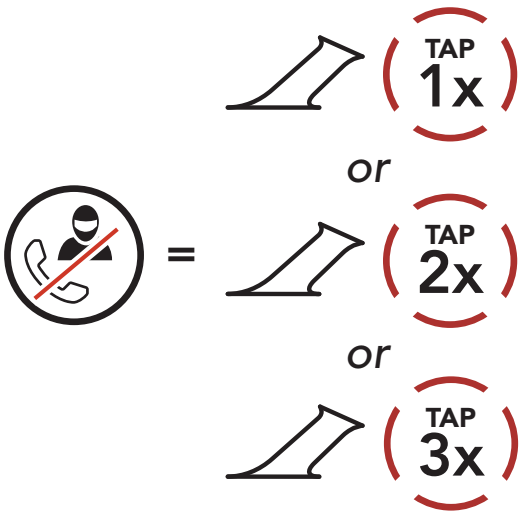
1. During a mobile phone call, tap the **Center Button once, twice, or three times** to invite one of your **Intercom Friends** to the conversation.

Invite an Intercom Friend into Phone Conference



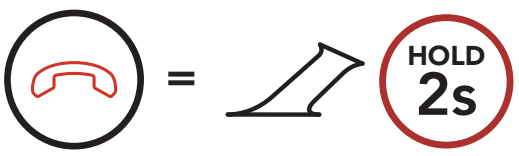
2. To disconnect the intercom during a conference phone call, tap the **Center Button once, twice, or three times**.

Disconnect the Intercom Friend from Conference



3. To disconnect the mobile phone call during a conference phone call, press and hold the **Center Button** for **2 seconds**.

End Phone Call from Conference



Note: When you have an incoming intercom call during a mobile phone call, you will hear high-toned double beeps.

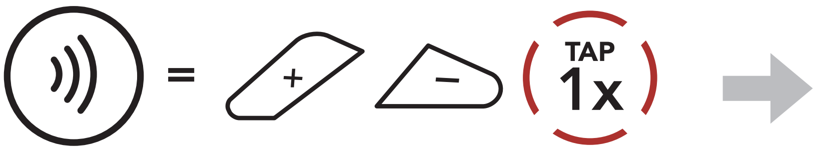
8.6 Group Intercom

Group Intercom allows you to instantly create a **Multi-Way Conference Intercom** with three of the most recently paired headsets.

To Start the Group Intercom

1. Go through intercom pairing with up to three headsets you want to have **Group Intercom** with.

2.



Blinking

"Group intercom"

"Group intercom connected"

When all of the headset are connected together.

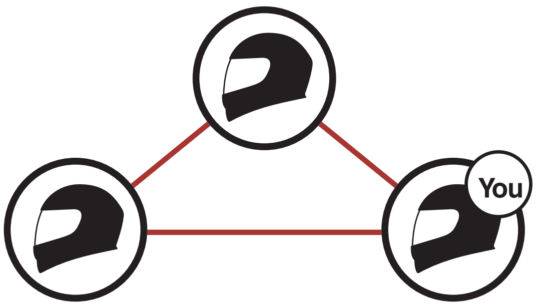
Terminate Group Intercom

"Group intercom terminated"

8.7 Mesh Intercom Conference with Bluetooth Intercom Participant

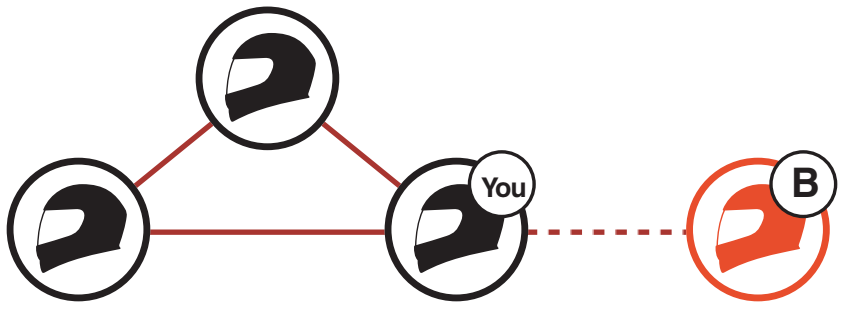
Users can use the existing **Bluetooth Intercom** and **Mesh Intercom** functions at the same time. When doing so, it is recommended to communicate with any non-Mesh Intercom Sena headsets via the **Bluetooth Intercom** connection and use **Mesh Intercom** between Sena headsets that support both **Bluetooth Intercom** and **Mesh Intercom**.

1. Tap the **Mesh Intercom Button** to turn on **Mesh Intercom**.



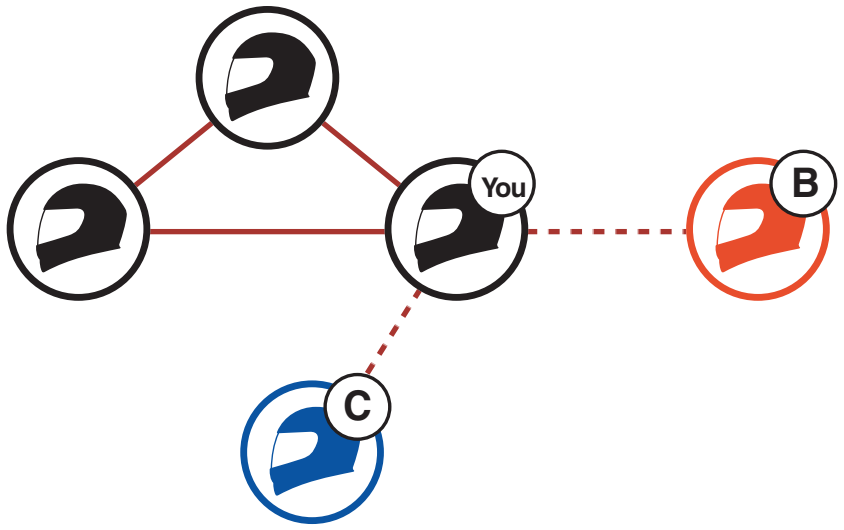
Mesh Intercom
Bluetooth Intercom

2. When you tap the **Center button** to start a Two-Way Intercom conversation with the first Bluetooth intercom friend (B), your Bluetooth intercom friend (B) will join **Mesh Intercom**.

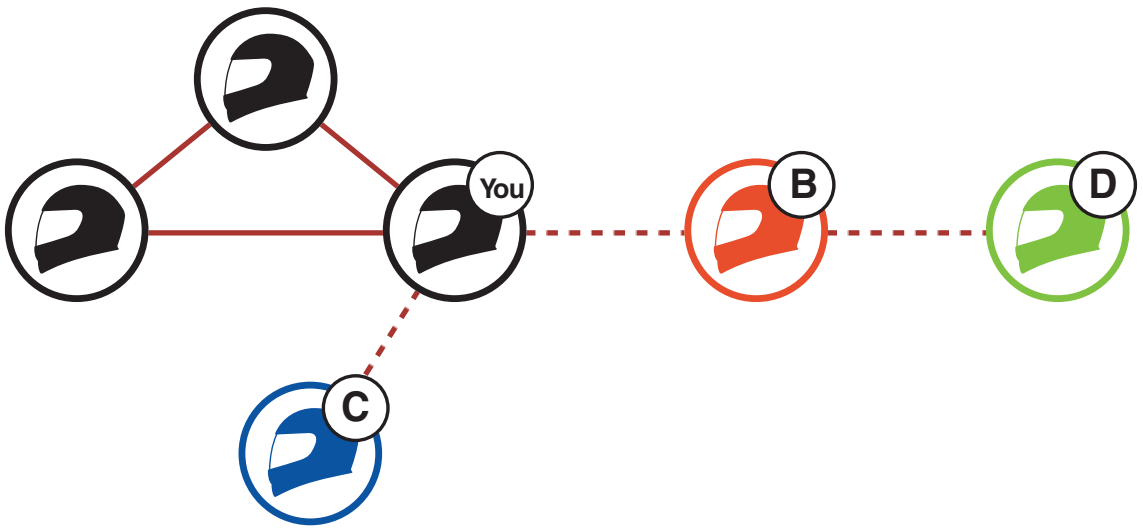


Mesh Intercom + Two-Way Intercom

3. You can have up to three Bluetooth intercom friends join the **Mesh Intercom**. For detailed information on Bluetooth Multi-Way Intercom, please refer to **Section 8.4: "Multi-Way Intercom."** The audio quality will be reduced if you connect to two or more Bluetooth intercom friends while using **Mesh Intercom**.



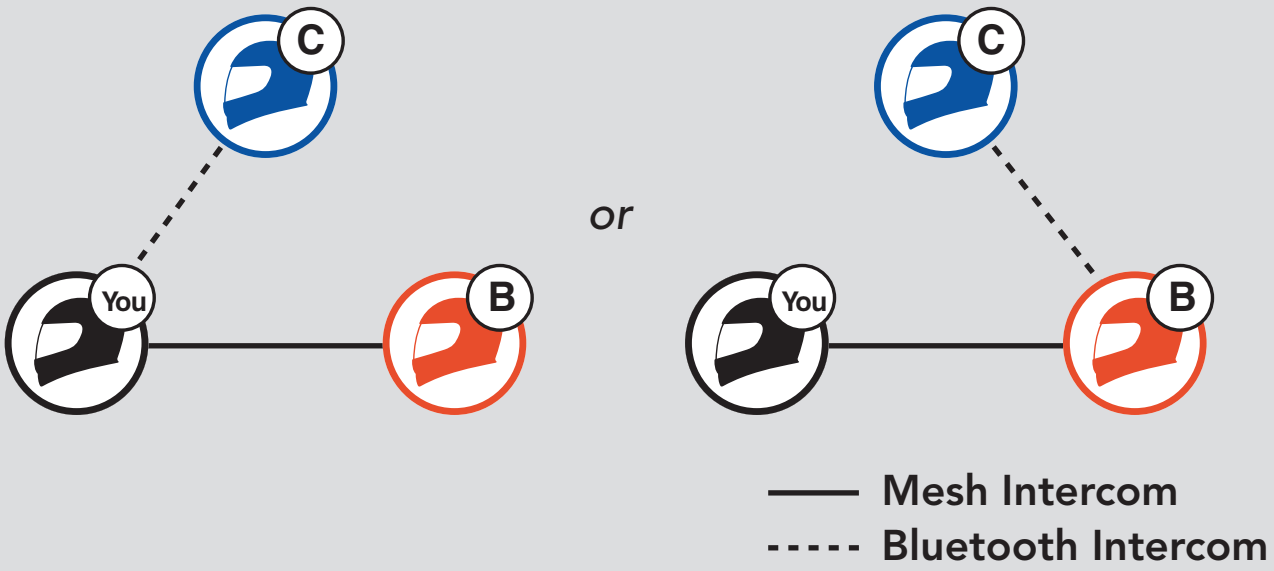
Mesh Intercom + Three-Way Intercom



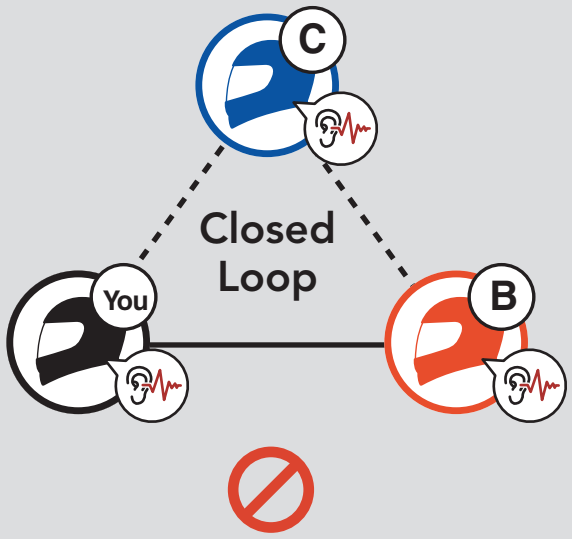
Mesh Intercom + Four-Way Intercom

Note:

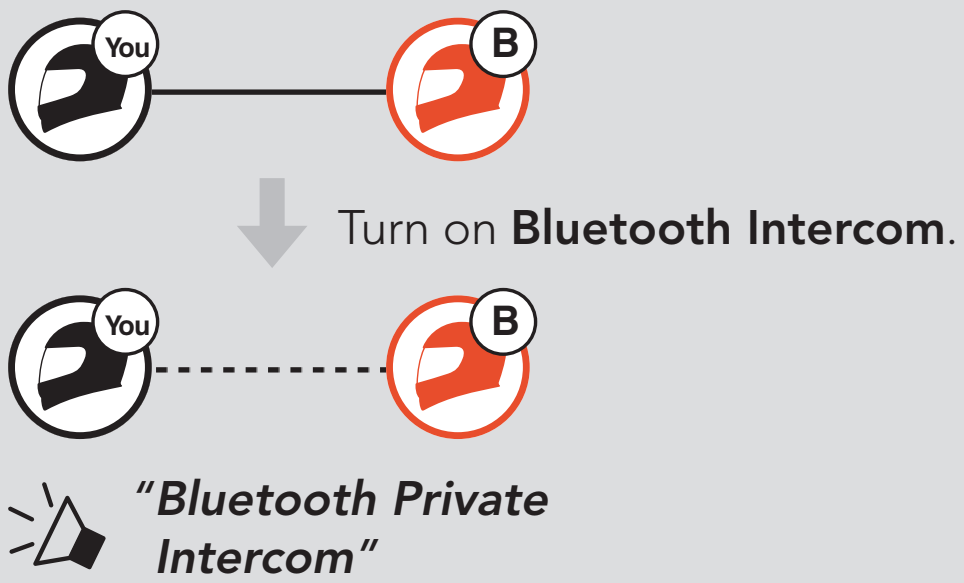
- When adding Bluetooth intercom friends to a **Mesh Intercom**, be careful not to create a closed loop. To prevent a closed loop from being created, Bluetooth intercom friend (C) must be connected via **Bluetooth Intercom** to only one user, you or B, using **Mesh Intercom**.



If Bluetooth intercom friend (C) connects with **Bluetooth Intercom** to You and B who are using **Mesh Intercom**, a closed loop will be created and they will experience severe noise.



- If You start a **Bluetooth Intercom** conversation with Intercom friend (B) during **Mesh Intercom** with Intercom friend (B), You and Intercom friend (B) will hear the voice prompt, **"Bluetooth Private Intercom."** You and Intercom friend (B) can only communicate via **Bluetooth Private Intercom** to avoid creating a closed loop.

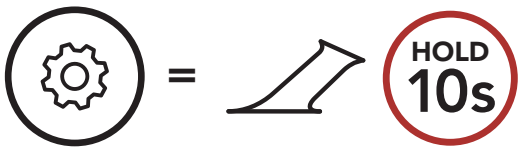


  While using **Bluetooth Private Intercom**, if You or Intercom friend (B) turn off **Bluetooth Private Intercom**, **Mesh Intercom** will turn on for You and Intercom friend (B). Or, if You or Intercom friend (B) turn on **Mesh Intercom**, **Mesh Intercom** will turn on for You and Intercom friend (B) and **Bluetooth Private Intercom** will automatically turn off.

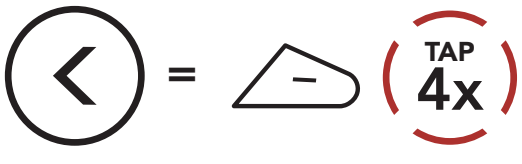
9. UNIVERSAL INTERCOM

Universal Intercom allows you to have intercom conversations with users of non-Sena Bluetooth headsets. Non-Sena Bluetooth headset can be connected to the Sena headset if they support the **Bluetooth Hands-Free Profile (HFP)**. You can pair the headset with only one non-Sena headset at a time. The intercom distance depends on the performance of the headset to which it's connected. When a non-Sena headset is paired with the headset while another Bluetooth device is paired via **Second Mobile Phone Pairing**, it will be disconnected.

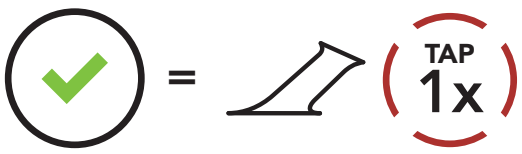
9.1 Universal Intercom Pairing

1. 

 *"Configuration menu"*

2. 

 *"Universal intercom pairing"*

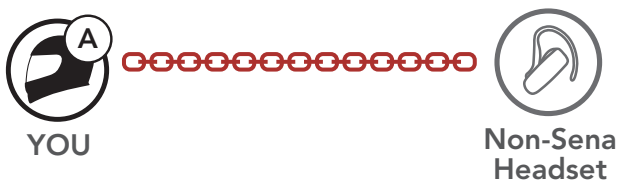
3. 

Enter into **Universal Intercom Pairing** mode.

4. Put the non-Sena headset in Hands-free Pairing Mode. The headset will automatically pair with a non-Sena Bluetooth headset.

9.2 Two-Way Universal Intercom

You can initiate the **Universal Intercom** connection with non-Sena Bluetooth headsets using the same intercom connection method as you would between other Sena headsets.



You may start/end a **Two-Way Universal Intercom** using the same way as you do in a normal **Two-Way Intercom**. Please refer to **Section 8.3: "Two-Way Intercom."**

9.3 Multi-Way Universal Intercom

You can have **Multi-Way Intercom** communication with up to **three Intercom Friends** using non-Sena headsets. Some non-Sena headsets may not support **Multi-Way Universal Intercom**.

You may make the **Multi-Way Universal Intercom** call the same way as a normal four-way intercom call.

You may start/end a **Multi-Way Universal Intercom** using the same way as you do in a normal **Multi-Way Intercom**. Please refer to **Section 8.4: "Multi-Way Intercom."**

9.3.1 Three-Way Universal Intercom

You may make a **Three-Way Universal Intercom** connection with two headsets and one non-Sena Bluetooth headset. If the intercom connection is made, all headsets connected cannot use the mobile phone call function since the connection between the headset and the phone is disconnected temporarily. If you disconnect the intercom call, the mobile phone connection is made again automatically so that you can use a mobile phone call function.

1. **You (A)** need to be paired with a non-Sena Bluetooth headset **(B)** and another headset **(C)** for the **Three-Way Conference Intercom**.

2. Start an intercom conversation with a non-Sena Bluetooth headset **(B)** in your intercom group. For example, **you (A)** may start an intercom conversation with non-Sena Bluetooth headset **(B)**. The non-Sena Bluetooth headset **(B)** may also start an intercom call with **you (A)**.

3. The other headset **(C)** may join the intercom by making an intercom call to **you (A)**.

4. Now **you (A)**, non-Sena Bluetooth headset **(B)**, and the other headset **(C)** are having a **Three-Way Conference Intercom**.

9.3.2 Four-Way Universal Intercom

You may make the **Four-Way Universal Intercom** call the same way as a normal **Four-Way Intercom** call.

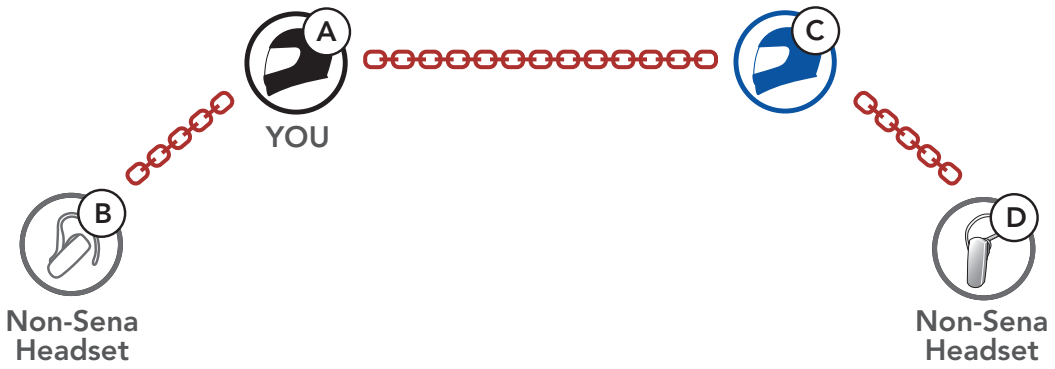
You may make a **Four-Way Universal Intercom** connection with a couple of different configurations,

1) two headsets and two non-Sena Bluetooth headsets or

2) three headsets and one non-Sena Bluetooth headset.

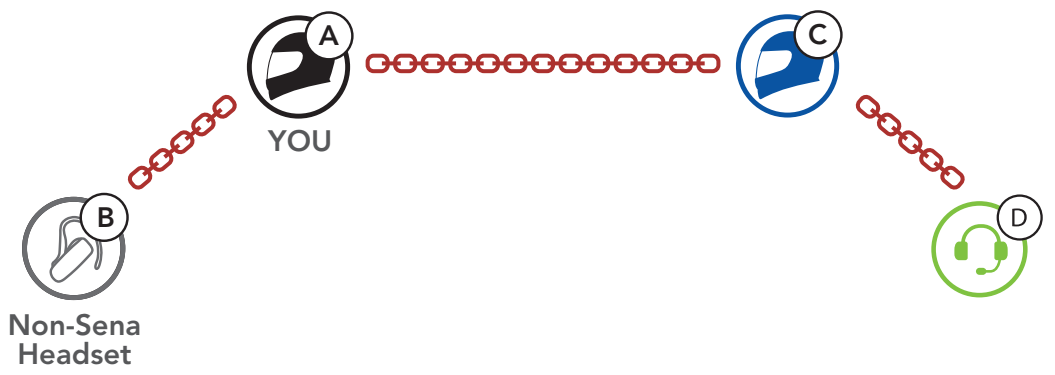
Four-Way Universal Intercom Case 1

1) **You (A)**, a non-Sena Bluetooth headset **(B)**, another headset **(C)**, and a non-Sena Bluetooth headset **(D)**.



Four-Way Universal Intercom Case 2

2) **You (A)**, a non-Sena Bluetooth headset **(B)**, and **two other headsets (C and D)**.



9.4 Mesh Intercom Conference with Two-way Universal Intercom Participant

Users can use the existing **Two-way Universal Intercom** and **Mesh Intercom** function at the same time. In this case, it is recommended to communicate with **non-Sena headset** via **Two-way Universal Intercom** connection and use **Mesh Intercom** between **SRL-Mesh headsets**.

A user who is in **Open Mesh** or **Group Mesh** when using **Mesh Intercom** is able to include one **Universal Intercom friend**. You can start a **Two-way Universal Intercom** conversation with your **Universal Intercom Friend** to include it in the **Mesh**.

10. USING THE FM RADIO

10.1 FM Radio On/Off

FM Radio On

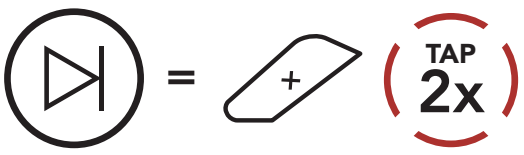
FM Radio Off

10.2 Seek and Save Radio Stations

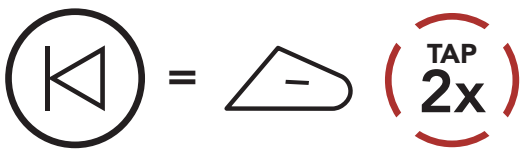
The **"Seek"** feature searches for radio stations.

1. Search for radio stations.

Seek Stations Forward



Seek Stations Backward

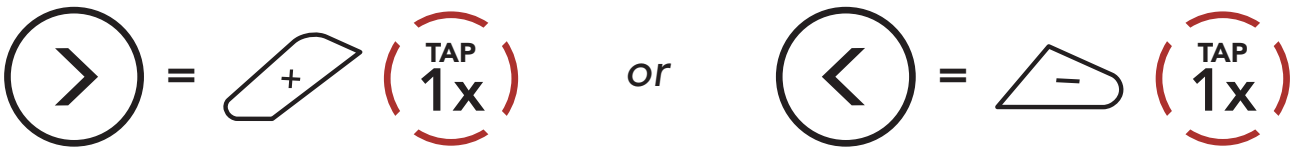


2. Save the current station.

Enter Preset Selection Mode

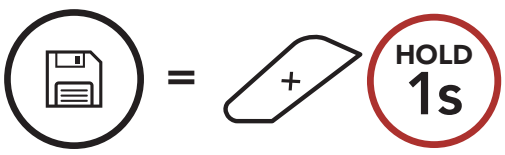
3. Navigate through the preset numbers that you want to store.

Navigate Forward/Backward Through Preset Stations

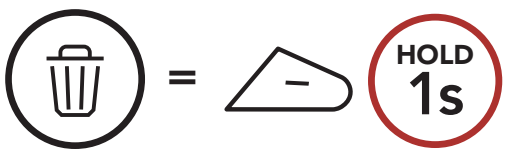


4. Save the station in the preset number you choose or delete the station from memory.

Save Station to the Preset Number



Delete Station from Memory

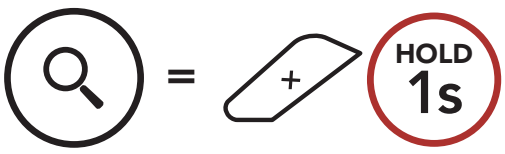


10.3 Scan and Save Radio Stations

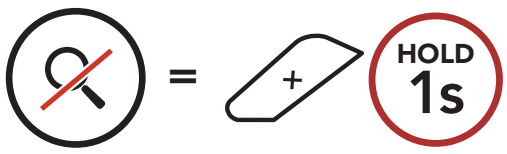
The **"Scan"** function automatically searches for radio stations, starting with the current station's frequency, then up from there.

1. Scan for stations.

Start Scanning



Stop scanning



2. The Sena tuner pauses at each station it finds for **8 seconds** before moving to the next.
3. Save the current station. The station will be saved as the next preset number.

Save the Current Station

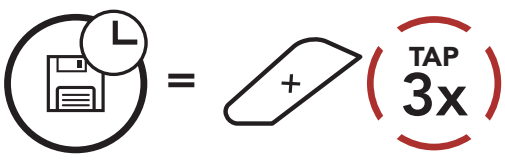
Note: You can use the **Sena Motorcycles App** to save the preset stations.

10.4 Temporary Station Preset

The **Temporary Preset** feature automatically finds and saves the nearest 10 radio stations without changing your existing preset stations.

1. Automatically find and save 10 stations.

Temporary Stations

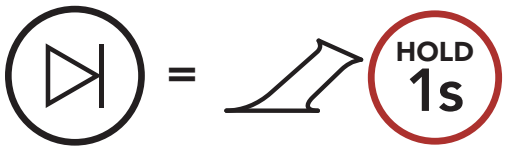


2. The temporary preset stations will be cleared when the headset reboots.

10.5 Navigating Preset Stations

Using the methods above, up to 10 radio stations can be stored. You can navigate through the saved stations.

Navigate through Preset Stations



11. VOICE COMMAND

The **Voice Command** of the headset allows you to operate certain operations by simply using your voice. You can control the headset completely hands-free using the voice recognition. Multi-language Voice Command supports **English, French, German, Spanish, Italian, Chinese, Japanese, and Russian**.

Speak a Voice Command List

Mode Status	Function	Voice Command
Standby/ Bluetooth Intercom/Mesh Intercom/FM Radio/Music	Check battery	"Hey Sena, Check Battery"
	Volume Up	"Hey Sena, Volume Up"
	Volume Down	"Hey Sena, Volume Down"
	Phone Pairing	"Hey Sena, Phone Pairing"
	Bluetooth Intercom Pairing	"Hey Sena, Pairing Intercom"
	Start/End each Bluetooth Intercom	"Hey Sena, Intercom [One, Two, Three]"
Standby/ Bluetooth Intercom/FM Radio/Music	Turn on Mesh Intercom	"Hey Sena, Mesh On"
Mesh Intercom	Turn off Mesh Intercom	"Hey Sena, Mesh Off"
	Mesh Grouping	"Hey Sena, Mesh Grouping"
	Switch to Open Mesh	"Hey Sena, Open Mesh"
	Switch to Group Mesh	"Hey Sena, Group Mesh"
	End the Bluetooth intercom and Mesh intercom	"Hey Sena, End Intercom"
Standby/ Bluetooth Intercom/Mesh Intercom	Play Music	"Hey Sena, Play Music"
Standby/ Intercom/Mesh Intercom/Music	Turn on FM radio	"Hey Sena, FM Radio On"

Mode Status	Function	Voice Command
Music/FM Radio	• FM - Next Preset • Music - Next Track	"Hey Sena, Next"
	• FM - Previous Preset • Music - Previous Track	"Hey Sena, Previous"
Music	Pause Music	"Hey Sena, Stop Music"
FM Radio	Turn off FM Radio	"Hey Sena, FM Radio Off"
Answer an Incoming Call		"Answer"
Ignore an Incoming Call		"Ignore"

Note:

- You can set a language to another language by using the **Language** feature on the **Sena Motorcycles App**.
- If you set a language that does not support voice commands, the voice command will work only with English commands.
- You can see the another language's voice command list on the **Sena Motorcycles App**.
- **Voice command** performance may vary based on the environmental conditions.

12. GoPro VOICE COMMAND

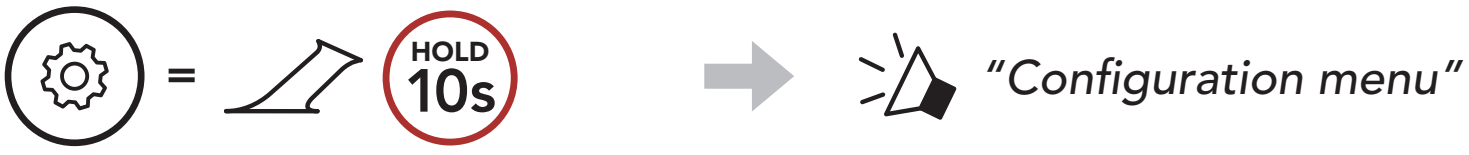
Before using **GoPro Voice Command**, you will need to pair with a compatible **GoPro** camera for the first time.

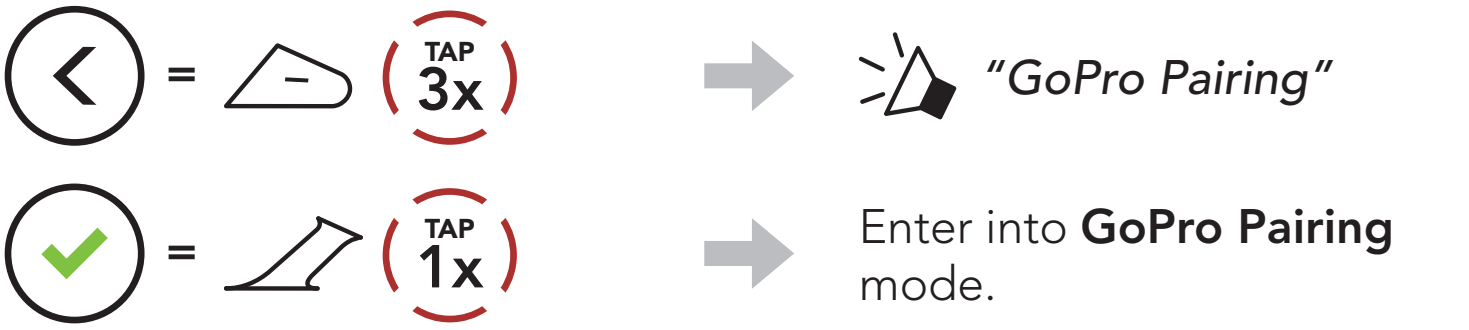
- Compatible camera model: **HERO8 Black*** and later

*** HERO8 Black was released on Sep 24, 2019.**

12.1 Connect GoPro Camera

1. Select the **[Remote]** menu on your **GoPro** camera to enter pairing mode.
   (Refer to the User's manual of the **GoPro** camera you want to use.)
2. Execute **GoPro Pairing** in the **Headset Configuration Menu**.





3. The headset will automatically pair with your **GoPro** camera.

12.2 Using GoPro Voice Commands

The **GoPro Voice Command** of the headset allows you to operate certain operations by simply using your voice. You can control the GoPro camera completely hands-free using the voice recognition. Multi-language **GoPro Voice Command** supports English, French, German, Spanish, Italian, Chinese, Japanese, and Russian.

Speak a GoPro Voice Command List

Mode Status	Function	Voice Command
Standby/ Bluetooth Intercom/ Mesh Intercom/ FM Radio/ Music	Turn on camera	"GoPro, Camera on"
	Turn off camera	"GoPro, Camera off"
	Check camera status and battery	"GoPro, Check camera"
	Start Recording mode	"GoPro, Start recording"
	Stop Recording mode/ Stop time-lapse mode	"GoPro, Stop recording"
	Start capturing with the last time-lapse mode you used	"GoPro, Start time-lapse"
	Add a HiLight Tag to your video during recording	"GoPro, HiLight"
	Take a single photo	"GoPro, Take a photo"

Note:

- You can set a language to another language by using the **Language** feature on the **Sena Motorcycles App**.
- If you set a language that does not support **GoPro voice commands**, the voice command will work only with English commands.
- You can see the another language's **GoPro voice command** list on the **Sena Motorcycles App**.
- **GoPro Voice command** performance may vary based on the environmental conditions. To improve the performance, minimize wind noise on the microphone by using a large microphone sponge and closing the visor.

13. FUNCTION PRIORITY AND FIRMWARE UPGRADES

13.1 Function Priority

(highest)	Mobile phone
	Mesh Intercom/Bluetooth Intercom
	Music sharing via Bluetooth stereo music
	FM radio
(lowest)	Bluetooth stereo music

A lower-priority function gets interrupted by a higher-priority function. For example, stereo music will be interrupted by an **Intercom Conversation**; an **Intercom Conversation** will be interrupted by an incoming mobile phone call.

13.2 Firmware Upgrades

The headset supports firmware upgrades. There are two ways to upgrade firmware.

13.2.1 Using the WiFi Adapter

You can upgrade firmware using the **WiFi Adapter**.
You can automatically install any available firmware updates to your headset via your wireless network.
Please refer to the **WiFi Adapter Quick Start Guide** included in the package.

13.2.2 Using the Sena Device Manager

You can upgrade firmware using the **Sena Device Manager**.
The **USB Power & Data Cable (USB-C)** must be connected to your PC to upgrade firmware using the **Sena Device Manager**.

Note:

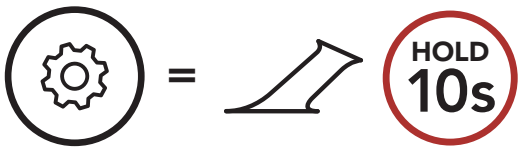
- A **USB Power & Data Cable (USB-C)** is not included in the package.
- Do not connect the **WiFi Adapter** to your PC to use the **Sena Device Manager**.

Click Here to Visit sena.com

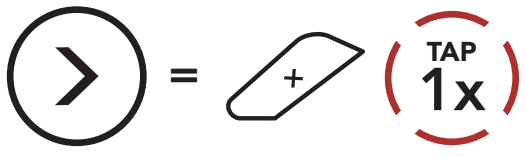
14. CONFIGURATION SETTING

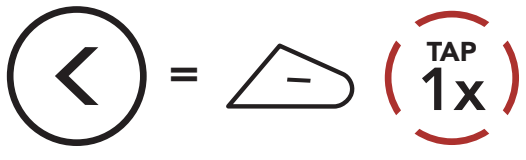
14.1 Headset Configuration Menu

Accessing the Configuration Menu

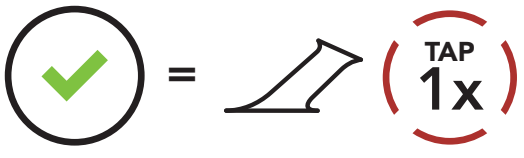


Navigating Between Menu Options





Execute Menu Options



Headset Configuration Menu

Voice Configuration Menu	Tap the Center Button
Phone Pairing	None
Second Mobile Phone Pairing	None
Phone Selective Pairing	None
Media Selective Pairing	None
GPS Pairing	None
Delete All Pairings	Execute
Remote Control Pairing	Execute
Universal Intercom Pairing	Execute
GoPro Pairing	Execute
Factory Reset	Execute
Exit	Execute

14.1.1 Delete All Pairings

You can delete all Bluetooth pairing information of the headset.

14.1.2 Remote Control Pairing

You can remotely control the headset using **Sena Remote Control devices** (sold separately).

1. Turn on the headset and the Remote Control device.
2. Execute **Remote Control Pairing**.
3. Enter pairing mode in the Remote Control device. The headset will automatically connect with the Remote Control device in pairing mode.

14.2 Software Configuration Setting

You can change the settings of the headset through the **Sena Motorcycles App** or the **Sena Device Manager**.

Sena Motorcycles Sena Device Manager

14.2.1 Language

You can select the device language. The selected language is maintained even when the headset is rebooted.

14.2.2 Mesh Reach-Out (Default: Disable)

When the **Mesh Reach-Out** is enabled, a Mesh Reach-Out request message can be sent or received. If the **Mesh Reach-Out** is disabled, a Mesh Reach-Out request message cannot be sent or received.

14.2.3 Equalizer (Default: Music Balance)

Increase or decrease the decibel level of different frequency ranges of audio.

- **Music Balance** will adjust frequency response that gives the most natural balance between lows, mids, and highs.
- **Music Enhanced** will lower midrange frequencies slightly.
- **Voice** will increase midrange frequencies of the human voice and cut environmental noise for better clarity with voice communication.
- **Bass Boost** will increase the bass range of audio (130 Hz and below).
- **Treble Boost** will increase the high range of audio (6 kHz and above).

14.2.4 Audio Boost (Default: Enable)

Audio Boost increases the overall maximum volume. If **Audio Boost** is enabled, Equalizer will not be effective at the maximum volume and only work below the maximum volume. If **Audio Boost** is disabled, Equalizer will work across all volume ranges.

14.2.5 VOX Phone (Default: Enable)

If this feature is enabled, you can answer incoming calls by voice. When you hear a ringtone for an incoming call, you can answer the phone by saying a word such as **"Hello"** loudly or by blowing air into the microphone. **VOX Phone** is temporarily disabled if you are connected to intercom. If this feature is disabled, you will have to tap the **Center Button** to answer an incoming call, and the two voice commands ("Answer" and "Ignore") will no longer be available.

14.2.6 VOX Intercom (Default: Disable)

If this feature is enabled, you can initiate an intercom conversation with the last connected intercom friend by voice. When you want to start intercom, say a word such as **"Hello"** loudly or blow air into the microphone. If you start an intercom conversation by voice, the intercom terminates automatically when you and your intercom friend remain silent for **20 seconds**. However, if you manually start an intercom conversation by tapping the **Center Button**, you have to terminate the intercom conversation manually. However, if you start the intercom by voice and end it manually by tapping the **Center Button**, you will not be able to start intercom by voice temporarily. In this case, you have to tap the **Center Button** to restart the intercom. This is to prevent repeated unintentional intercom connections by strong wind noise. After rebooting the headset, you can start intercom by voice again.

14.2.7 VOX Sensitivity (Default: 3)

Vox Sensitivity can adjust the sensitivity of Vox Phone and Vox Intercom. **Level 5** is the highest sensitivity setting and **level 1** is the lowest.

14.2.8 HD Intercom (Default: Enable)

HD Intercom enhances the two-way intercom audio from normal quality to HD quality. **HD Intercom** will become temporarily disabled when you enter into a multi-way intercom. If this feature is disabled, the two-way intercom audio will change to normal quality.

Note:

- The intercom distance of **HD Intercom** is relatively shorter than that of normal intercom.
- **HD Intercom** will become disabled temporarily when **Bluetooth Intercom Audio Multitasking** is enabled.

14.2.9 HD Voice (Default: Enable)

HD Voice allows you to communicate in high-definition during phone calls. This feature increases the quality so that the audio will be crisp and clear during phone call conversations. If this feature is enabled, incoming phone calls will interrupt intercom conversations and audio from the SR10 will not be heard during intercom conversations. **Three-Way Conference Phone Call with Intercom Participant** will not be available if **HD Voice** is enabled.

Note:

- Refer to the manufacturer of your Bluetooth device that will be connected to the headset to see if it supports **HD Voice**.
- **HD Voice** is active only when **Bluetooth Intercom Audio Multitasking** is disabled.

14.2.10 Bluetooth Intercom Audio Multitasking (Default: Disable)

Audio Multitasking (Bluetooth Intercom Audio Multitasking and Mesh Intercom Audio Multitasking) allows you to have an intercom conversation while simultaneously listening to music, FM radio, or GPS instructions. The overlaid audio is played in the background with reduced volume whenever there is an intercom conversation and will return to normal volume once the conversation is finished.

The **Mesh Intercom Audio Multitasking** feature is **always on**.

Note:
- For **Bluetooth Intercom Audio Multitasking** to work properly, you need to power the headset off and on. **Please restart the headset**.
- **Bluetooth Intercom Audio Multitasking** will be activated during two-way intercom conversations with a headset that also supports this feature.
- Some GPS devices may not support this feature.
- The **Audio Multitasking** feature can be configured through the **Intercom-Audio Overlay Sensitivity** and the **Audio Overlay Volume Management settings**.

14.2.11 Intercom-Audio Overlay Sensitivity (Default: 3)

The music, FM radio and GPS volume will be lowered to play in the background if you talk over the intercom while the overlaid audio is playing. You can adjust the intercom sensitivity to activate this background audio mode. **Level 1** has the lowest sensitivity and **level 5** has the highest sensitivity.

Note: If your voice is not louder than the sensitivity of the selected level, the overlaid audio will not be lowered.

14.2.12 Audio Overlay Volume Management (Default: Disable)

The music, FM radio and GPS overlaid audio reduces in volume whenever there is an ongoing intercom conversation. If **Audio Overlay Volume Management** is enabled, the volume level of the overlaid audio will not be reduced during an intercom conversation.

14.2.13 Smart Volume Control (Default: Disable)

Enabling **Smart Volume Control** automatically changes the level of the speaker volume based on the level of the environment noise. You can enable it by setting the sensitivity to **low**, **medium** or **high**.

14.2.14 Sidetone (Default: Disable)

Sidetone is audible feedback of your own voice. It helps you to naturally speak at the correct level according to varying helmet noise conditions. If this feature is enabled, you can hear what you are speaking during an intercom conversation or a phone call.

14.2.15 Voice Assistant (Default: Enable)

If **Voice Assistant** is enabled, you can wake up Siri or Google Assistant using a voice command, such as “Hey Siri” or “Hey Google.” If you do not want to wake up Siri or Google Assistant with your voice, disable this feature.

14.2.16 Voice Prompt (Default: Enable)

You can disable **Voice Prompts** by software configuration settings, but the following voice prompts are always on.

- headset configuration settings menu, battery level indicator, speed dial, FM radio functions

14.2.17 RDS AF Setting (Default: Disable)

Radio Data System (RDS) Alternative Frequency (AF) Setting allows a receiver to re-tune to the second frequency location when the first signal becomes too weak. With RDS AF enabled on the receiver, a radio station with more than one frequency can be used.

14.2.18 FM Station Guide (Default: Enable)

When **FM Station Guide** is enabled, FM station frequencies are given by voice prompts as you select preset stations. When **FM Station Guide** is disabled, the voice prompts on FM station frequencies will not be given as you select preset stations.

14.2.19 Advanced Noise Control™ (Default: Enable)

When **Advanced Noise Control** is enabled, the background noise is reduced during an intercom conversation. When it is disabled, the background noise is mixed with your voice during intercom.

14.2.20 Region Selection

You can select the proper FM frequency range for your location. Using the region setting, you can optimize the seek function to avoid unnecessary frequency ranges.

Region	Frequency range	Step
Worldwide	76.0 ~ 108.0 MHz	± 100 kHz
North America, South America and Australia	87.5 ~ 107.9 MHz	± 200 kHz
Asia and Europe	87.5 ~ 108.0 MHz	± 100 kHz
Japan	76.0 ~ 95.0 MHz	± 100 kHz

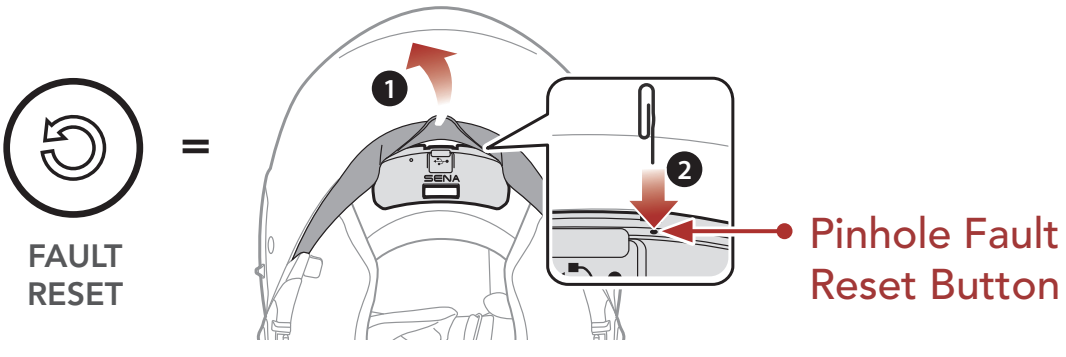
15. TROUBLESHOOTING

Please visit **sena.com** for more troubleshooting information.

15.1 Fault Reset

When the headset is not working properly, you can easily reset the unit:

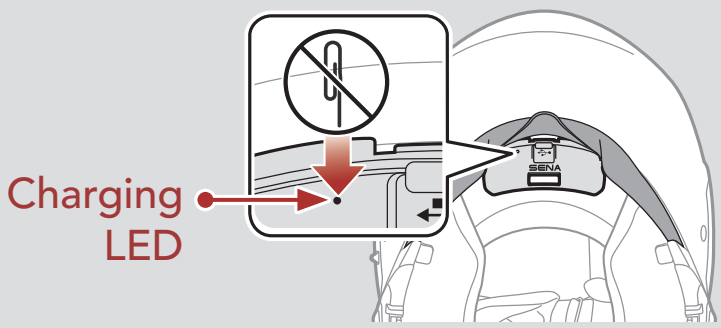
1. Locate the **Pinhole Fault Reset Button** above the **DC Power Charging & Firmware Upgrade Port**.
2. Gently insert a paper clip into the hole and press the **Pinhole Fault Reset Button** with light pressure.



3. The headset will shut down.

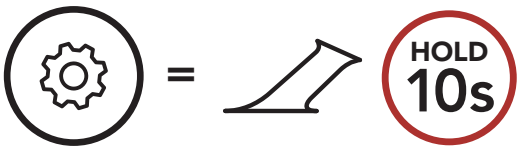
Note:

- **Fault Reset** will not restore the headset to factory default settings.
- The charging LED is not the **Pinhole Fault Reset Button**. Do not press it.

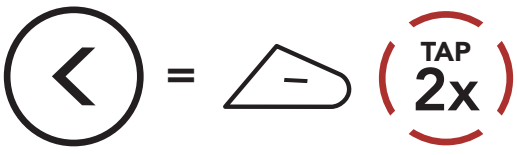


15.2 Factory Reset

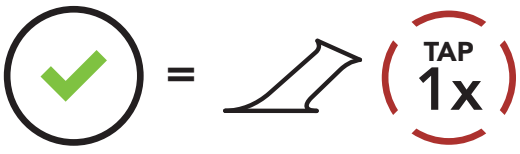
To erase all of your settings and start fresh, the headset can be restored to factory default settings using the **Factory Reset** feature.

1. 

 *"Configuration menu"*

2. 

 *"Factory reset"*

3. 

 *"Headset reset, good-bye"*

SENA

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