

# Harley-Davidson Audio 50C

## MOTORCYCLE CAMERA & COMMUNICATION SYSTEM WITH MESH INTERCOM™

# USER'S GUIDE

Version 1.0.0

ENGLISH

# TABLE OF CONTENTS

<b>1.</b>	<b>ABOUT THE HARLEY-DAVIDSON AUDIO 50C</b>	<b>8</b>
1.1	Product Features	8
1.2	Product Details	9
1.3	Package Contents	10
<b>2.</b>	<b>INSTALLING THE HEADSET ON YOUR HELMET</b>	<b>11</b>
2.1	Helmet Installation	11
2.1.1	Using the Gear Clamp Unit	11
2.1.2	Using the Clamp Unit	12
2.1.3	Using the Glued Surface Mounting Plate	13
2.2	Installing the Speakers	14
2.3	Installing the Microphone	15
2.3.1	Installing the Wired Boom Microphone	15
2.3.2	Installing the Wired Microphone	16
2.4	Adjust the Angle	18
2.4.1	Using the Gear Clamp Unit	18
2.4.2	Using the Clamp Unit	19
<b>3.</b>	<b>GETTING STARTED</b>	<b>20</b>
3.1	Downloadable Software	20
3.1.1	SENA MOTORCYCLES App	20
3.1.2	Sena Camera App	20
3.1.3	Boom Audio Bluetooth Device Manager	21
3.2	Charging	21
3.3	Legend	22
3.4	Powering On and Off	23
3.5	Volume Adjustment	23
3.6	Checking the Battery Level	23
3.7	Low Battery Warning	23

<b>4.</b>	<b>CAMERA OPERATION</b>	<b>24</b>
4.1	Camera On or Off	24
4.2	Camera Modes	24
4.3	Video Recording	25
4.4	Video Mode (Default: Normal Recording Mode)	26
4.4.1	Timelapse Video Mode	26
4.4.2	Loop Recording Mode	26
4.5	Taking Photos (Default: Normal Recording Mode)	26
4.5.1	Single Shot Mode	26
4.5.2	Burst Shot Mode	26
4.6	Video Tagging	27
4.7	Formatting SD Card	27
4.8	Changing the Wi-Fi Channel (Default: 5 GHz)	28
<b>5.</b>	<b>PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES</b>	<b>29</b>
5.1	Phone Pairing	29
5.1.1	Initially Pairing the Harley-Davidson Audio 50C	29
5.1.2	Pairing When the Harley-Davidson Audio 50C is Turned Off	30
5.1.3	Pairing When the Harley-Davidson Audio 50C is Turned On	30
5.2	Pairing with the H-D WHIM Wireless Headset Interface Module	31
5.3	Second Mobile Phone Pairing - Second Mobile Phone, GPS, and SR10	32
5.4	GPS Pairing	33
5.5	Advanced Selective Pairing: Hands-Free or A2DP Stereo	33
5.5.1	Phone Selective Pairing - Hands-Free Profile	33
5.5.2	Media Selective Pairing - A2DP Profile	34

6.

MOBILE PHONE USAGE

35

---

6.1

Making and Answering Calls

35

6.2

Siri and Google Assistant

35

6.3

Speed Dialing

36

6.3.1

Assigning Speed Dial Presets

36

6.3.2

Using Speed Dial Presets

36

7.

STEREO MUSIC

37

---

7.1

Playing Music with Bluetooth Devices

37

7.2

Music Sharing

37

7.2.1

Bluetooth Intercom Music Sharing

38

7.2.2

Mesh Intercom Music Sharing

38

8.

MESH INTERCOM

39

---

8.1

What is Mesh Intercom?

39

8.1.1

Open Mesh

40

8.1.2

Group Mesh

40

8.2

Starting Mesh Intercom

41

8.3

Using the Mesh in Open Mesh

41

8.3.1

Channel Setting (Default: channel 1)

41

8.4

Using Mesh in Group Mesh

42

8.4.1

Creating a Group Mesh

42

8.4.2

Joining an Existing Group Mesh

43

8.5

Enable/Disable Mic (Default: Enable)

44

8.6

Toggling Open Mesh/Group Mesh

44

8.7

Reset Mesh

44

<b>9.</b>	<b>BLUETOOTH INTERCOM</b>	<b>45</b>
<hr/>		
9.1	Intercom Pairing	45
9.1.1	Using the Smart Intercom Pairing (SIP)	45
9.1.2	Using the Button	46
9.2	Last-Come, First-Served	47
9.3	Two-Way Intercom	48
9.4	Multi-Way Intercom	49
9.4.1	Starting a Three-Way Intercom Conference	49
9.4.2	Starting a Four-Way Intercom Conference	50
9.4.3	Ending Multi-Way Intercom	50
9.5	Three-Way Conference Phone Call with Intercom Users	51
9.6	Group Intercom	52
9.7	Mesh Intercom Conference with Bluetooth Intercom Participant	52
<b>10.</b>	<b>UNIVERSAL INTERCOM</b>	<b>54</b>
<hr/>		
10.1	Universal Intercom Pairing	54
10.2	Two-Way Universal Intercom	54
10.3	Multi-Way Universal Intercom	55
10.3.1	Three-Way Universal Intercom	55
10.3.2	Four-Way Universal Intercom	56
10.4	Mesh Intercom Conference with Two-way Universal Intercom Participant	57
<b>11.</b>	<b>USING THE FM RADIO</b>	<b>58</b>
<hr/>		
11.1	FM Radio On/Off	58
11.2	Seek and Save Radio Stations	58
11.3	Scan and Save Radio Stations	59
11.4	Temporary Station Preset	59
11.5	Navigating Preset Stations	60

<b>12. VOICE COMMAND</b>	<b>61</b>
<hr/>	
<b>13. FUNCTION PRIORITY</b>	<b>63</b>
<hr/>	
13.1 Function Priority	63
13.2 Firmware Upgrades	63
13.2.1 Using the WiFi Adapter	63
13.2.2 Using the Boom Audio Bluetooth Device Manager	64
<hr/>	
<b>14. CONFIGURATION SETTING</b>	<b>65</b>
<hr/>	
14.1 Headset Configuration Menu	65
14.1.1 Delete All Pairings	65
14.1.2 Remote Control Pairing	65
14.2 Software Configuration Setting	66
14.2.1 Headset Language	66
14.2.2 Audio Equalizer (Default: Music Balance)	66
14.2.3 VOX Phone (Default: Enable)	66
14.2.4 VOX Intercom (Default: Disable)	67
14.2.5 VOX Sensitivity (Default: 3)	67
14.2.6 HD Intercom (Default: Enable)	67
14.2.7 HD Voice (Default: Enable)	68
14.2.8 Bluetooth Intercom Audio Multitasking (Default: Disabled)	68
14.2.9 Intercom-Audio Overlay Sensitivity (Default: 3)	69
14.2.10 Audio Overlay Volume Management (Default: Disable)	69
14.2.11 Smart Volume Control (Default: Disable)	69
14.2.12 Sidetone (Default: Disable)	69
14.2.13 Voice Prompt (Default: Enable)	69
14.2.14 RDS AF Setting (Default: Disable)	70
14.2.15 FM Station Guide (Default: Enable)	70
14.2.16 Advanced Noise Control™ (Default: Enable)	70

<b>14.3</b>	<b>Camera Configuration Setting</b>	<b>70</b>
14.3.1	Photo Mode (Default: Single Shot Mode)	70
14.3.2	Video Mode (Default: Normal Recording Mode)	70
14.3.3	Video Resolution (Default: 2160P/30fps)	71
14.3.4	Timelapse Interval (Default: 1 sec)	71
14.3.5	Video Microphone Gain (Default: Medium)	71
14.3.6	Date Caption (Default: Off)	71
14.3.7	Smart Audio Mix™ (Always On)	71
14.3.8	Auto Camera Sleep (Default: On)	71
14.3.9	Format SD Card	71

<b>15.</b>	<b>TROUBLESHOOTING</b>	<b>72</b>
------------	------------------------	-----------

---

<b>15.1</b>	<b>Fault Reset</b>	<b>72</b>
<b>15.2</b>	<b>Factory Reset</b>	<b>72</b>
<b>15.3</b>	<b>The Camera’s Warning</b>	<b>73</b>
15.3.1	Memory is Full	73
15.3.2	No microSD Card	73
15.3.3	MicroSD Card Error	73
15.3.4	High Temperature	73

# 1. ABOUT THE HARLEY-DAVIDSON AUDIO 50C

## 1.1 Product Features



Bluetooth® 5.0



UHD Camera Integrated



Mesh Intercom up to 2 km (1.2 mi)\*



Intercom up to 1.6 km (1.0 mi)\*



Four-Way Intercom



Smart Audio Mix™



Wi-Fi Enabled

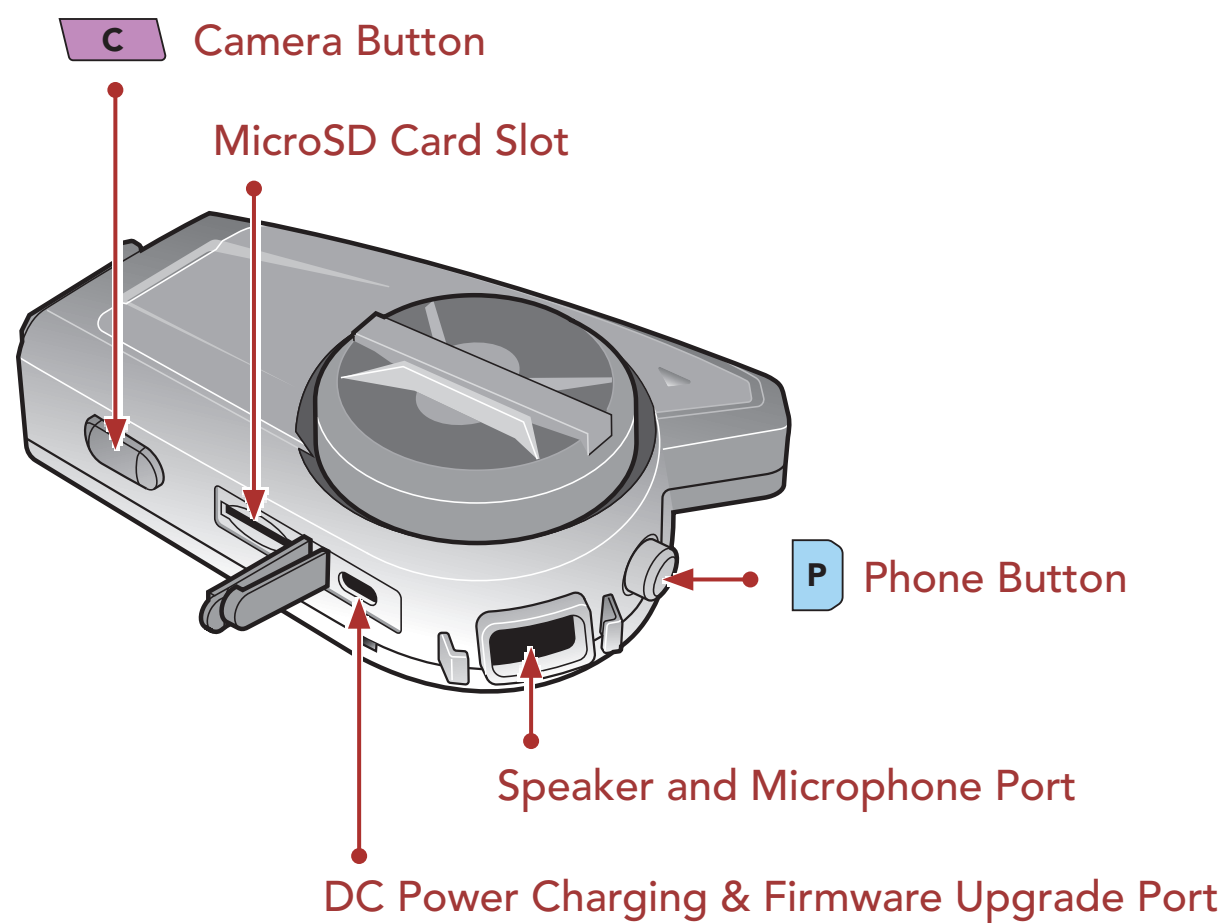
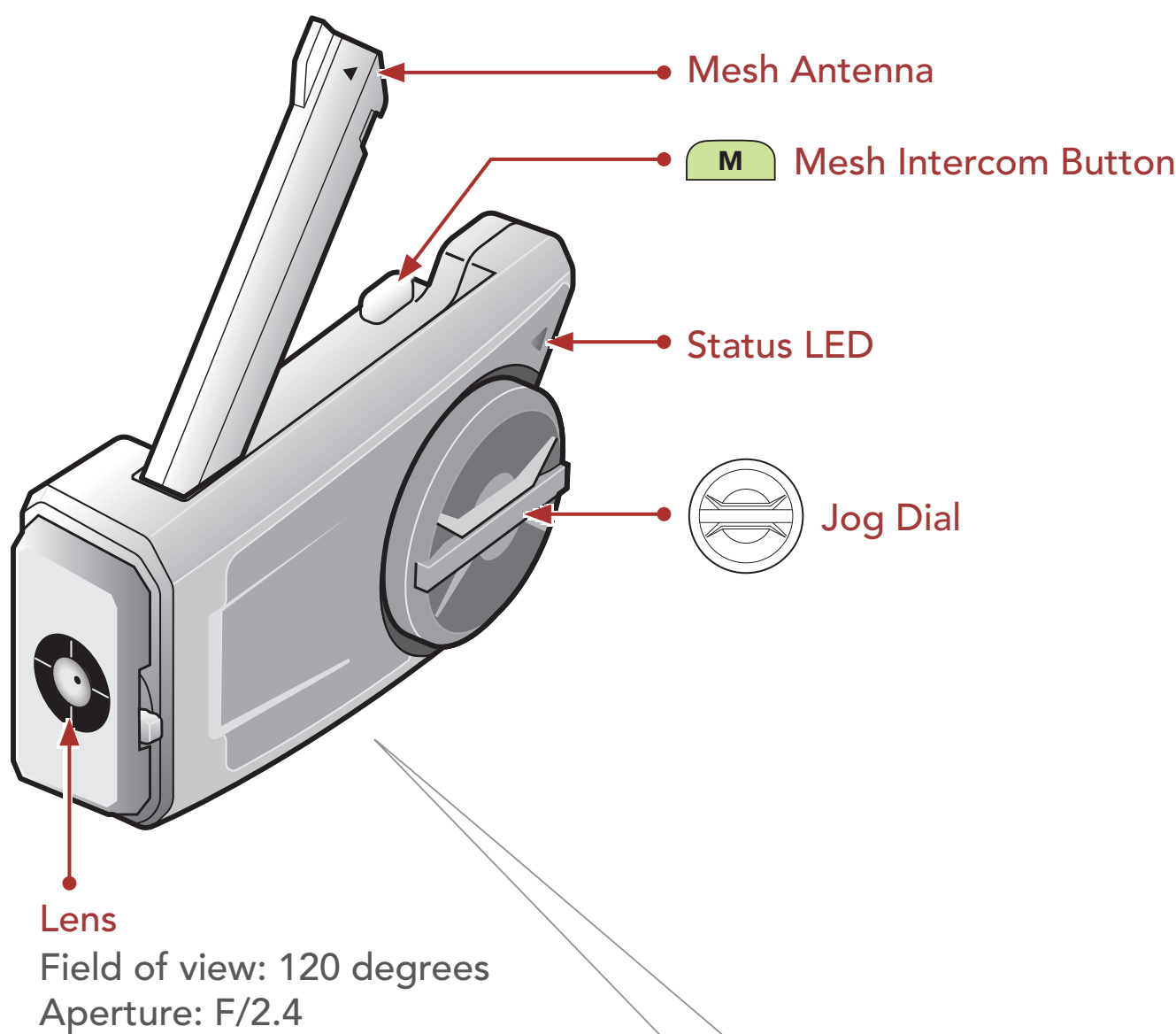


Audio Multitasking™

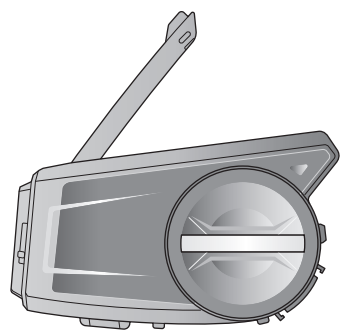
\* in open terrain



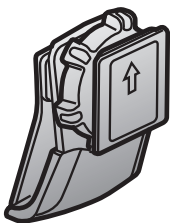
## 1.2 Product Details



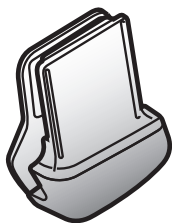
1.3 Package Contents



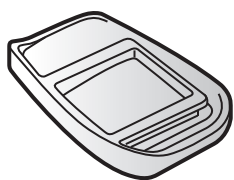
Headset Main Unit



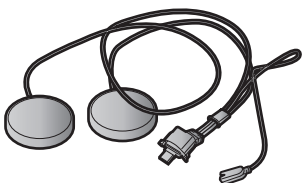
Gear Clamp Unit



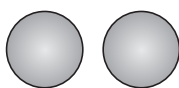
Clamp Unit



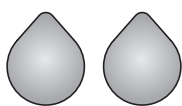
Glued Surface Mounting Plate



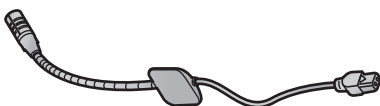
Speakers



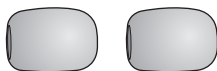
Speaker Pads (2)



Hook and Loop Fasteners for Speakers (2)



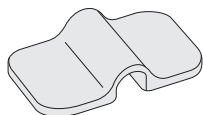
Wired Boom Microphone



Microphone Sponges (2)



Hook and Loop Fastener for Boom Microphone



Boom Microphone Holder



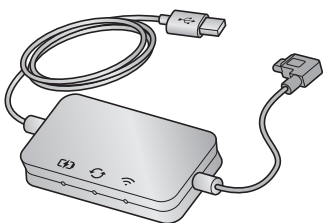
Hook and Loop Fastener for Holder



Wired Microphone



Hook and Loop Fastener for Wired Microphone



WiFi Adapter



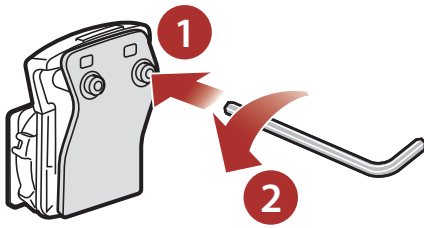
Allen Wrench

## 2. INSTALLING THE HEADSET ON YOUR HELMET

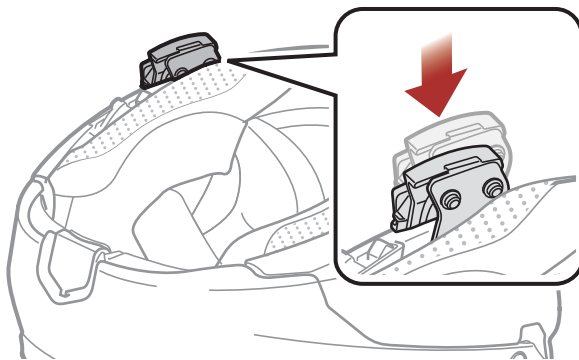
### 2.1 Helmet Installation

#### 2.1.1 Using the Gear Clamp Unit

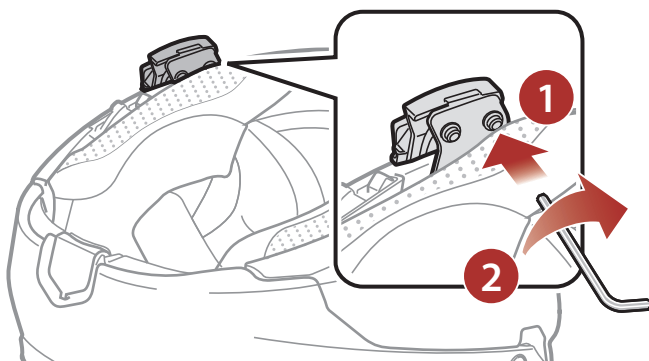
1. Loosen the two screws on the back plate of the clamp unit with the included allen wrench.



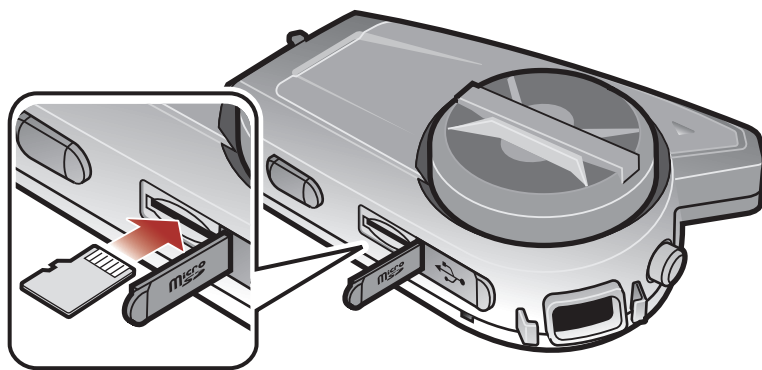
2. Insert the back plate of the clamp unit between the internal padding and external shell of the left side of the helmet.



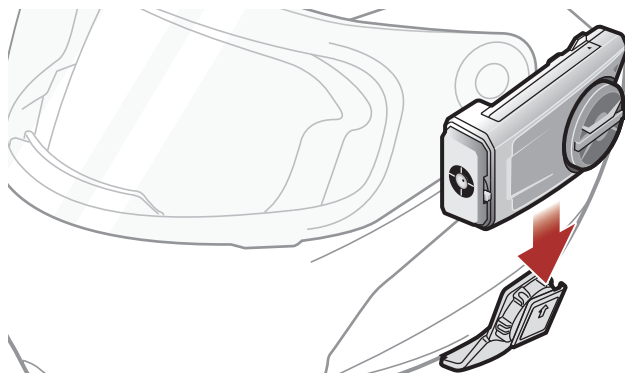
3. Tighten the two screws until the clamp unit is fastened firmly to the helmet.



4. Insert a microSD card into the card slot to use the camera.

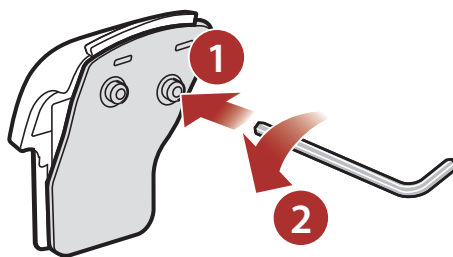


5. Attach the main unit to the clamp unit until you hear a click.

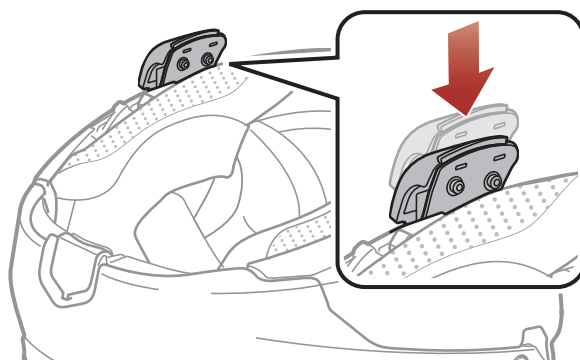


### 2.1.2 Using the Clamp Unit

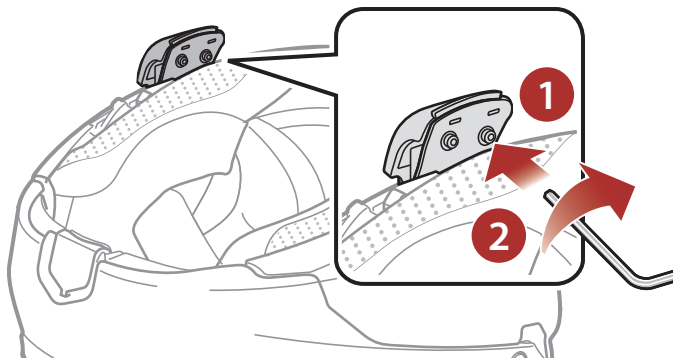
1. Loosen the two screws on the back plate of the clamp unit with the included allen wrench.



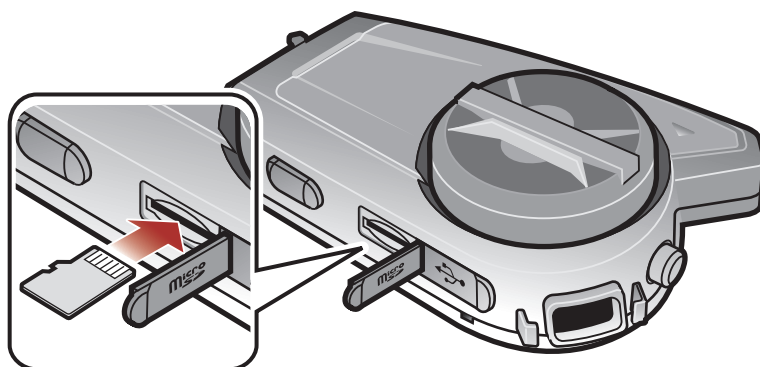
2. Insert the back plate of the clamp unit between the internal padding and external shell of the left side of the helmet.



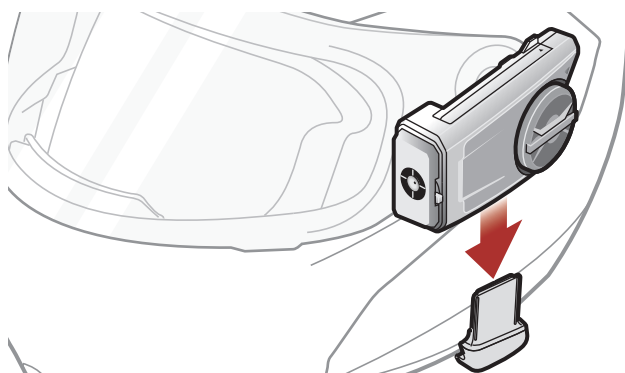
3. Tighten the two screws until the clamp unit is fastened firmly to the helmet.



4. Insert a microSD card into the card slot to use the camera.



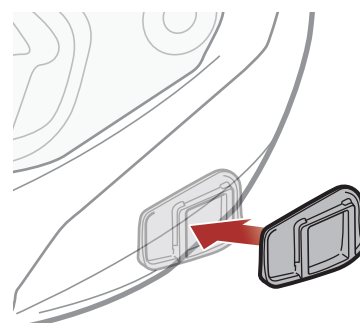
5. Attach the main unit to the clamp unit until you hear a click.



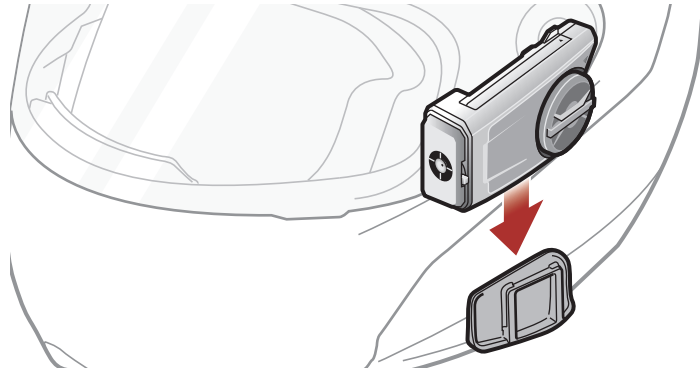
### 2.1.3 Using the Glued Surface Mounting Plate

If you cannot install the clamp unit on the helmet, you can use the glued surface mounting plate to attach the clamp unit to the surface of the helmet.

1. Clean the area on the left side of the helmet where you will attach the glued surface mounting plate with a moistened towel and dry thoroughly.
2. Peel off the cover of the adhesive tape of the glued surface mounting plate and attach it to the helmet.

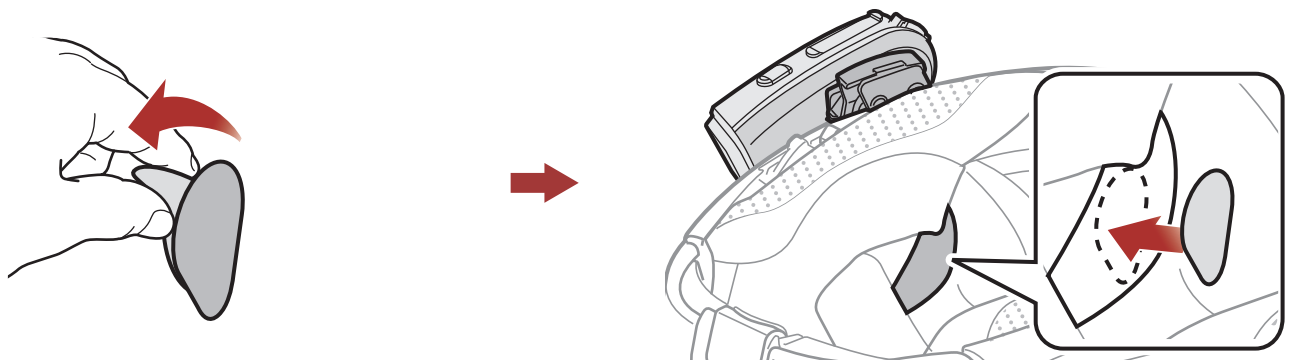


3. Make sure that the glued surface mounting plate sticks on the helmet firmly. Maximum adhesion occurs after 24 hours.
4. Attach the main unit to the glued surface mounting plate until you hear a click.

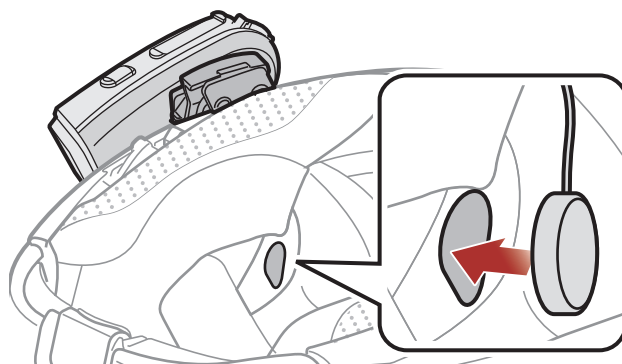


### 2.2 Installing the Speakers

1. Peel off each cover of the hook and loop fasteners for speakers to expose the adhesive surface. Then, attach the fasteners to the ear pockets inside the helmet.



2. Attach the speakers to the hook and loop fasteners for speakers inside the helmet.

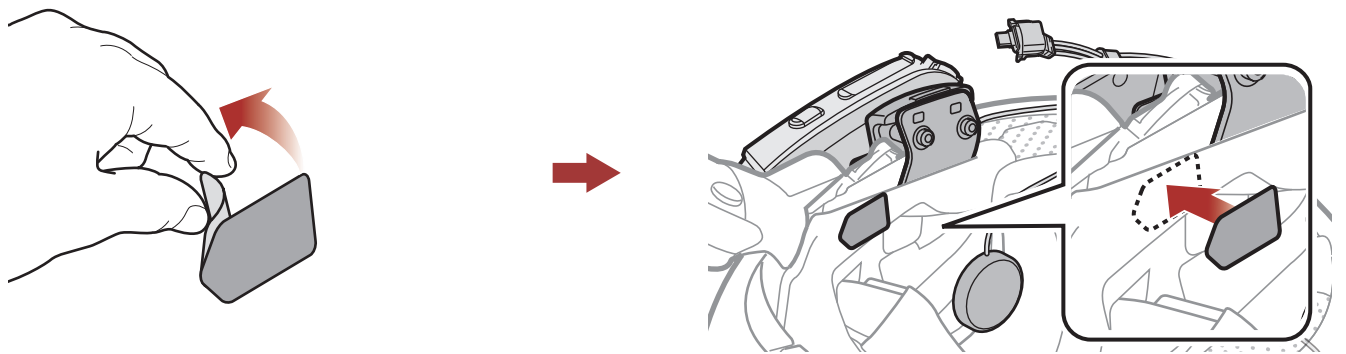


**Note:** If the helmet has deep ear pockets, you can use the speaker pads to bring the speakers closer to your ears.

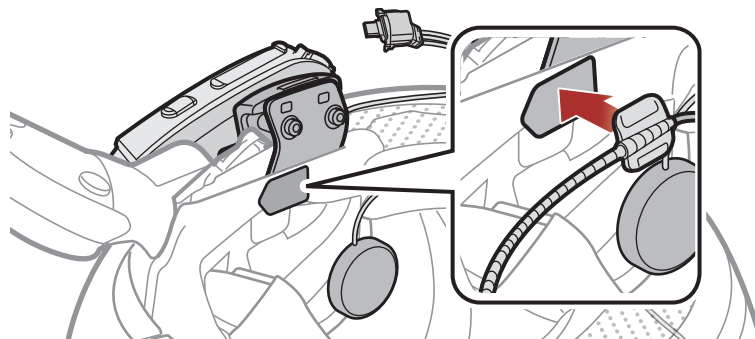
## 2.3 Installing the Microphone

### 2.3.1 Installing the Wired Boom Microphone

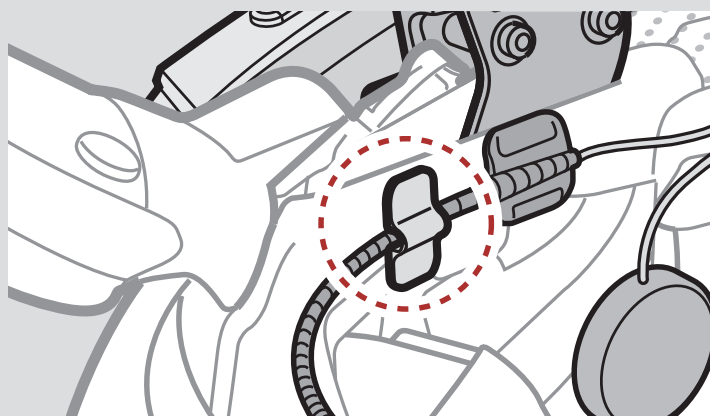
1. Peel off the cover of the hook and loop fastener for wired boom microphone to expose the adhesive tape. Then, attach the hook and loop fastener on the inside surface of the left external shell.



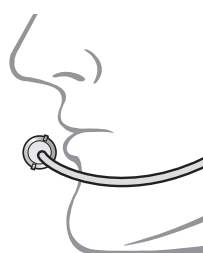
2. Attach the wired boom microphone's mounting plate to the hook and loop fastener.



**Note:** You can use the boom microphone holder after attaching the hook and loop fastener for boom microphone holder on it to ensure secure installation.

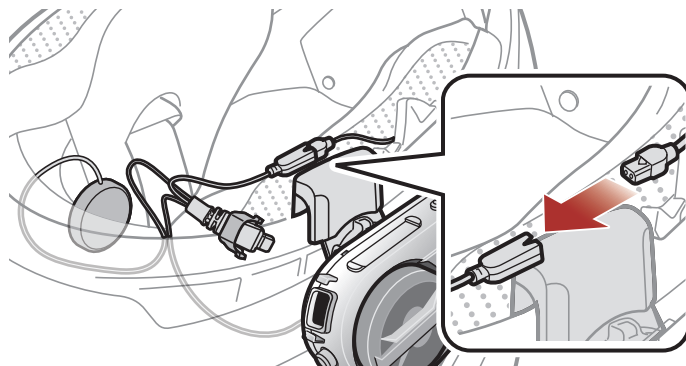


3. Position the microphone close to your mouth.

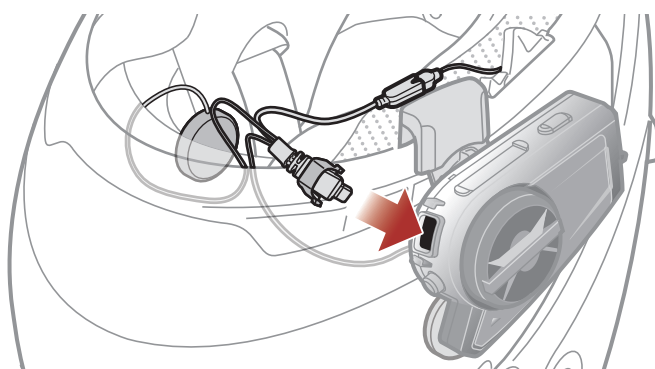




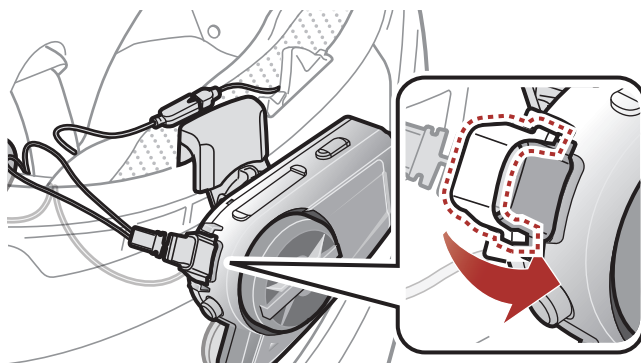
- Align the arrows on the microphone and speaker cables and insert the microphone cable into the microphone connector.



- Insert the speaker cable into the speaker and microphone port to connect it to the main unit.



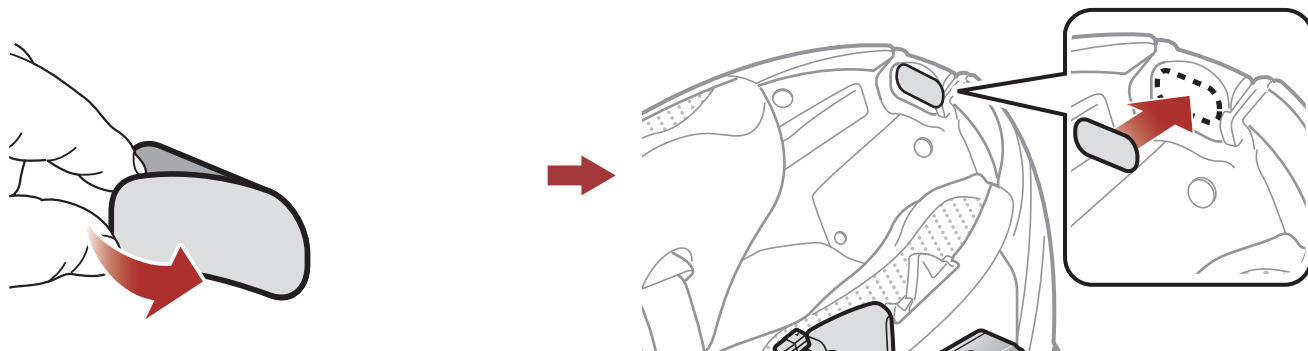
- Close the cover of the speaker cable to lock the cable to the port.



### 2.3.2 Installing the Wired Microphone

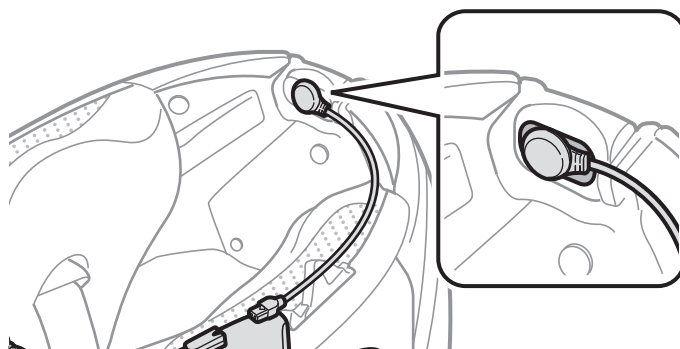
If you have a full face helmet, you can use the wired microphone.

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

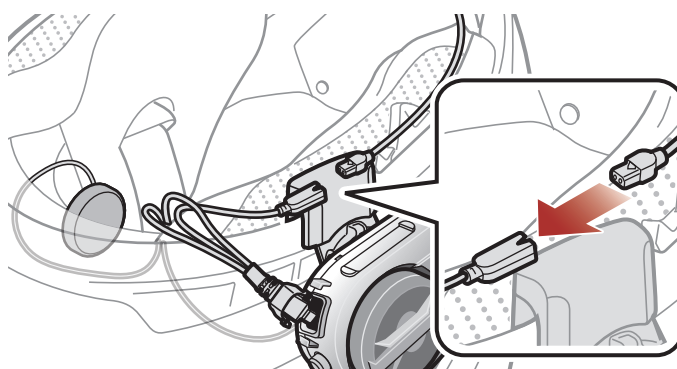




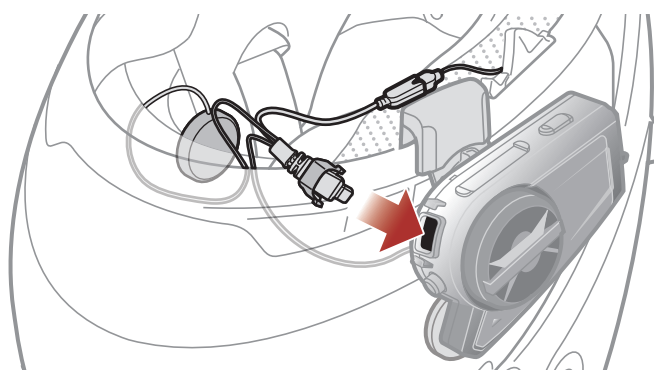
2. Attach the wired microphone to the hook and loop fastener for wired microphone.



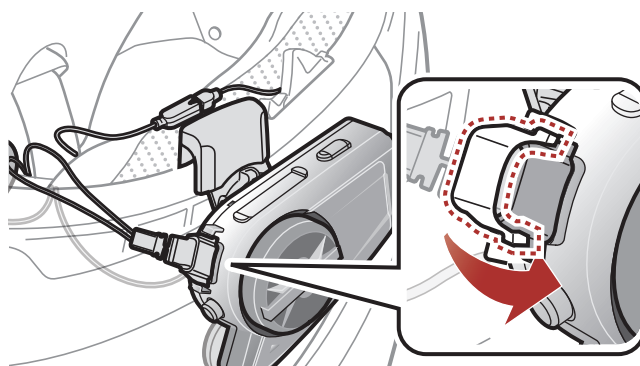
3. Align the arrows on the microphone and speaker cables and insert the microphone cable into the microphone connector.



4. Insert the speaker cable into the speaker and microphone port to connect it to the main unit.



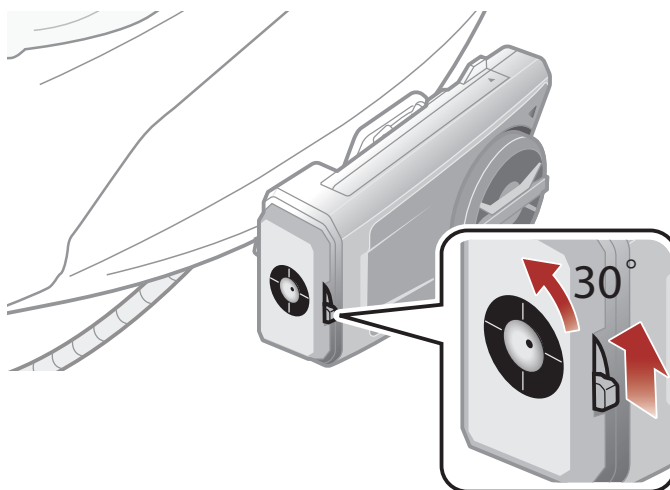
5. Close the cover of the speaker cable to lock the cable to the port.



## 2.4 Adjust the Angle

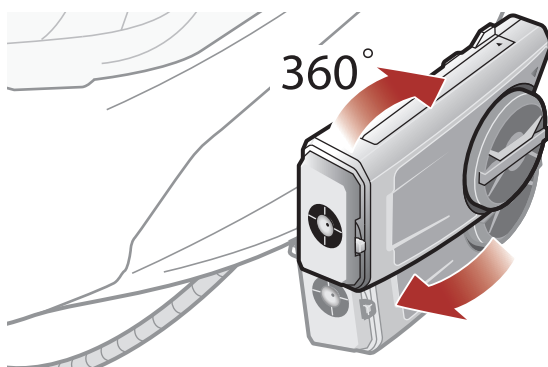
You can adjust the angle for taking photos or recording videos.

You can rotate the horizontal angle by 30°. Rotate the lever next to the lens to set the desired angle.



### 2.4.1 Using the Gear Clamp Unit

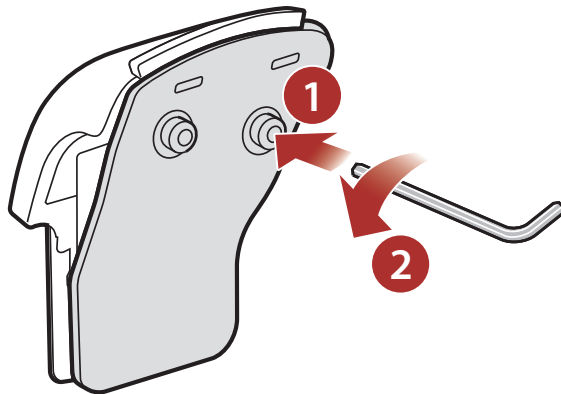
You can rotate the vertical angle by 360°. Loosen the wheel next to the main unit and rotate the main unit to set the desired angle. Tighten the wheel to lock it into position.



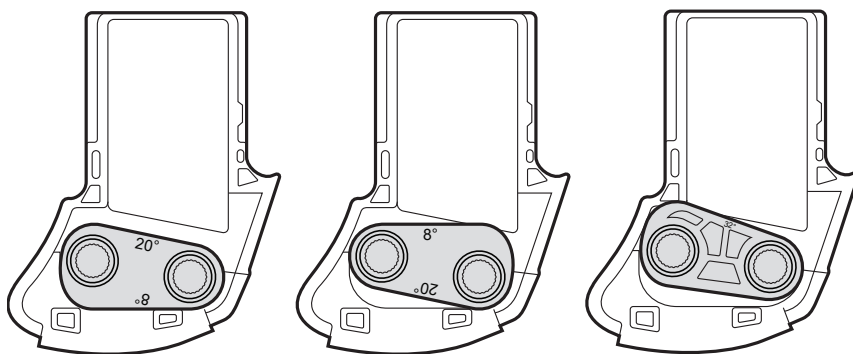
### 2.4.2 Using the Clamp Unit

You can change the vertical angle by 20° (Default), 8°, or 32°. The vertical angle change shall be made before the clamp is mounted on the helmet.

- Loosen the two screws on the back plate of the clamp unit with the included allen wrench.



- Remove the angle plate and flip it up and down to make the angle display "8°" visible. The vertical angle is changed to 8°.
- Remove the angle plate and turn it backwards to make the angle display "32°" visible. The vertical angle is changed to 32°.



# 3. GETTING STARTED

## 3.1 Downloadable Software

### 3.1.1 SENA MOTORCYCLES App

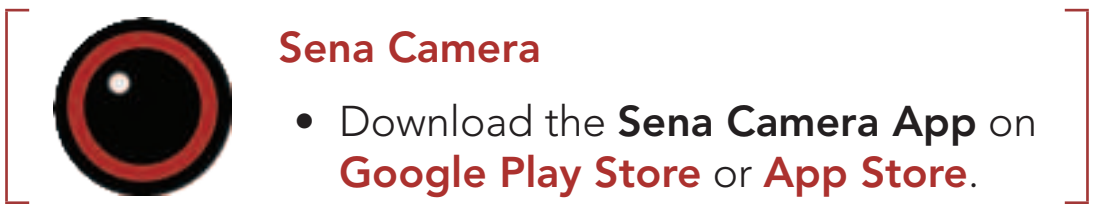
By simply pairing your phone with your headset, you can use the **SENA MOTORCYCLES App** for quicker, easier set up and management.



- Download the **SENA MOTORCYCLES App** on **Google Play Store** or **App Store**.

### 3.1.2 Sena Camera App

You can see a live preview from the camera, manage recorded videos as well as configure the video settings using the built-in Wi-Fi feature. When the camera and the **Sena Camera App** are connected, the camera is synchronized with the smartphone's date and time.



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

## Built-in Wi-Fi in the Headset

- IEEE 802.11 b/g/n/a
- Working distance: within 15 m

**Note:**

- When the camera is powered on, Wi-Fi is automatically powered on and set to its default settings.
- Wi-Fi will automatically be terminated if:
  - You do not use Wi-Fi on the product for 3 minutes.
  - You do not use the Sena Camera App for 3 minutes.
- If you want to reactivate the Wi-Fi after it is terminated, you will need to restart the camera.

### 3.1.3 Boom Audio Bluetooth Device Manager

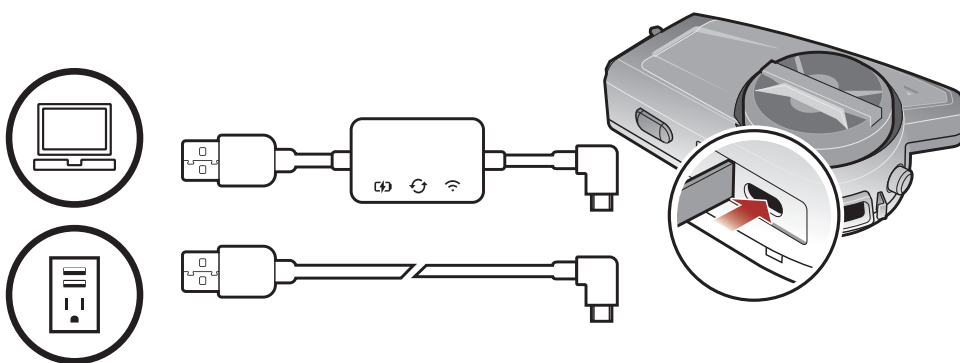
The **Boom Audio Bluetooth Device Manager** allows you to upgrade firmware and configure settings directly from your PC.



- Download the **Boom Audio Bluetooth Device Manager** at [oem.sena.com/harley-davidson](https://oem.sena.com/harley-davidson).

## 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:**

- Any 3rd party USB charger can be used with Harley-Davidson products if the charger is approved by either the FCC, CE, or IC.
- The **Harley-Davidson Audio 50C** is compatible with 5 V input USB-charged devices only.
- **Using When Plugged Into a Power Source (USB-charging adapter or Powerbank)**


When you want to record long videos and time lapse events, connect the **Harley-Davidson Audio 50C** to a power source and then use it.

- If you connect the **Harley-Davidson Audio 50C** to the Powerbank while the camera is on, the **Harley-Davidson Audio 50C** will use the electricity stored in the Powerbank but the battery will not charge.
- If you connect the **Harley-Davidson Audio 50C** to the Powerbank while the camera is off, you can use the **Harley-Davidson Audio 50C** while it charges.


3.3 Legend





**Tap** button/Jog Dial the specified number of times




**Press and Hold** button/Jog Dial for the specified amount of time










**Rotate** Jog Dial clockwise (right) or counterclockwise (left).







**Rotate while Pressing** Jog Dial clockwise (right) or counterclockwise (left).

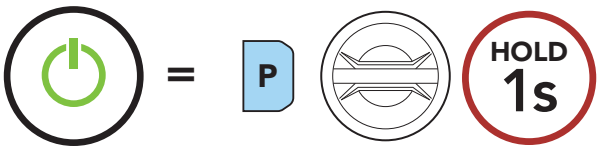


**"Hello"**

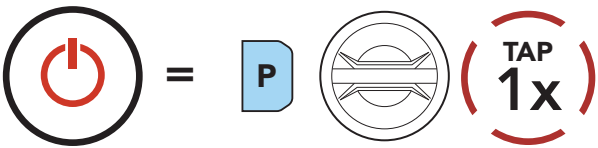
**Audible prompt**

### 3.4 Powering On and Off

Powering On



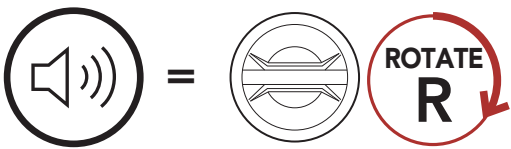
Powering Off



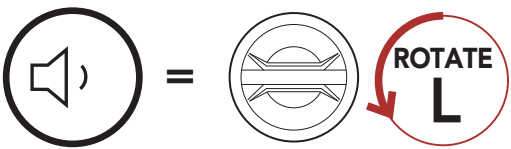
### 3.5 Volume Adjustment

You can raise or lower the volume by rotating the **Jog Dial** clockwise or counterclockwise. 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



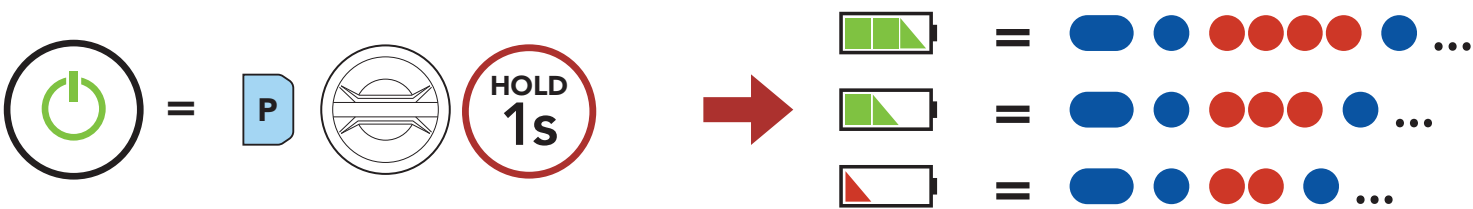
Volume Down



### 3.6 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”**.

### 3.7 Low Battery Warning

When the battery becomes low, you will hear a voice prompt, **“Camera off, battery low”**. The camera function will shut down soon, but other headset functions such as intercom will still be available for use. Then when the battery becomes very low, the blinking blue LED in stand-by mode turns to red and you will hear a voice prompt, **“Low battery”**. The headset will automatically shut down soon after.

# 4. CAMERA OPERATION

## 4.1 Camera On or Off

### Camera On



### Camera Off



## 4.2 Camera Modes

You can change the Video Mode setting and Photo Mode setting through the **Sena Camera App**.



Mode	Application	Button
Video	Recode video (normal recording, timelapse, loop recording)	
Photo	Capture a single photo (Single Shot) or 8 photos (Burst Shot)	



### 4.3 Video Recording

Start Recording



Stop Recording



Below is a table of approximate video recording times to microSD card size in specific resolutions and frame rates.

	2160p/30fps	1440p/30fps	1080p/60fps	1080p/30fps
16 GB	33 min	1 h 05 min	1 h 24 min	1 h 52 min
32 GB	1 h 07 min	2 h 11 min	2 h 51 min	3 h 47 min
64 GB	2 h 15 min	4 h 25 min	5 h 44 min	7 h 38 min
128 GB	4 h 30 min	8 h 52 min	11 h 31 min	15 h 20 min

**Note:**

- MicroSD cards up to 128 GB are compatible. Using a U3 microSD card is suggested. Your microSD card needs to be formatted using the camera.
- The camera gives a warning and automatically stops recording when the microSD card is full or the battery becomes low.
- The maximum size per video is limited to 4 GB. Therefore, when the video reaches the 4 GB size limit during recording, it saves and creates a new video to continue recording.

## 4.4 Video Mode (Default: Normal Recording Mode)

### 4.4.1 Timelapse Video Mode

Timelapse video records series of photos at timed intervals and makes it into a video.

### 4.4.2 Loop Recording Mode

Loop Recording mode continuously records videos to create footages of assigned length of time (3 minutes). If the memory reaches maximum, then the oldest footage will be deleted to store the most recent footage.

## 4.5 Taking Photos (Default: Normal Recording Mode)

### Take Photos



### 4.5.1 Single Shot Mode

Singe Shot takes 1 photo.

### 4.5.2 Burst Shot Mode

Burst shot takes 8 photos. Tap the **Camera Button** to take multiple photos.

#### Note:

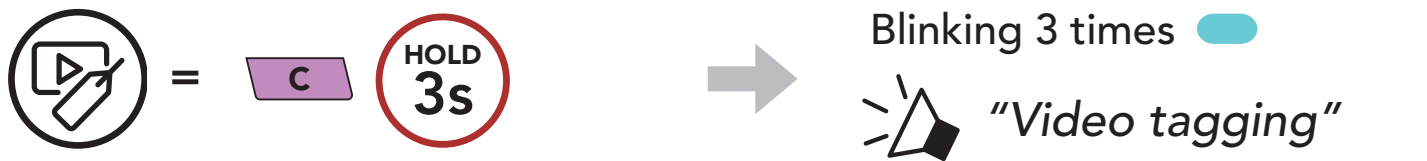
- If you are recording in 2160p/30fps of video resolution, you cannot take a photo.
- The camera resolution is fixed to 12MP. However, when you take a photo during video recording, the photo resolution is fixed to 8.3MP.

## 4.6 Video Tagging

Video Tagging allows the camera to record video continuously, but save only the important events.

It creates video files of past, present, and future with each footage having an assigned length of time (3 minutes).

1. When you encounter an event that is worth saving



2. When Video Tagging is complete



**Note:**

- Video Tagging can be operated only in the Loop Recording mode. In order for video files of past, present, and future to be saved, Video Tagging must be started at least 3 minutes after Loop Recording starts.
- Video Tagging recorded files are stored in **EVENT folder**.

## 4.7 Formatting SD Card



### 4.8 Changing the Wi-Fi Channel (Default: 5 GHz)

1.  =   →  "WiFi channel"

2. Select 5 GHz or 2.4 GHz.

• 5 GHz =   → Blinking twice 

• 2.4 GHz =   → Blinking twice 

**Note: IF YOUR SMARTPHONE OR REGION DOES NOT SUPPORT 5 GHz, YOU MUST CHANGE THE Wi-Fi CHANNEL TO 2.4 GHz.**

# 5. PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES

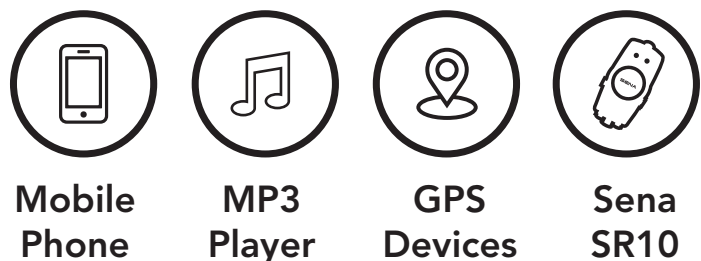
When using the headset with other Bluetooth devices for the first time, they will need to be “paired.” This enables them to recognize and communicate with one another whenever they are within range.

The headset can pair with multiple Bluetooth devices such as a mobile phone, GPS, MP3 player or Sena SR10 Two-Way Radio Adapter via **Mobile Phone Pairing, Second Mobile Phone Pairing and GPS Pairing**. The headset can also be paired with up to three other Harley-Davidson headsets.

## Pairs with up to Three Harley-Davidson Headsets



## Also Pairs with:



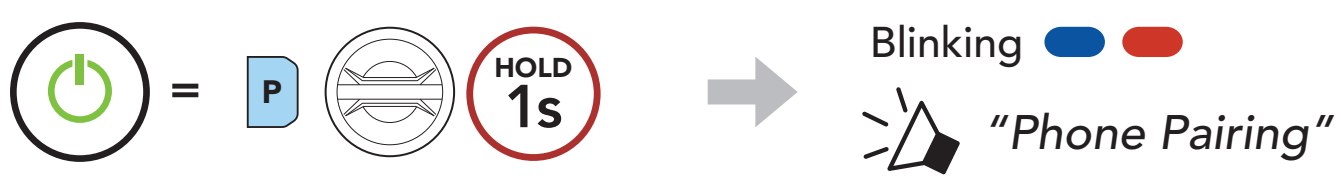
## 5.1 Phone Pairing

There are three ways to pair the phone.

### 5.1.1 Initially Pairing the Harley-Davidson Audio 50C

The headset will automatically enter the phone pairing mode when you initially turn on the headset or in the following situation:

- Rebooting after executing **Factory Reset**.
1. Press and hold the **Phone Button** and the **Jog Dial** for **1 second**.



**Note:**

- The phone pairing mode lasts for **3 minutes**.
- To cancel phone pairing, tap the **Phone Button** or **Jog Dial**.

2. Select **H-D Audio 50C** in the list of Bluetooth devices detected. If your mobile phone asks for a PIN, enter 0000.



**5.1.2 Pairing When the Harley-Davidson Audio 50C is Turned Off**

1. While the headset is off, press and hold the **Phone Button** and the **Jog Dial** for **3 seconds**.



2. Select **H-D Audio 50C** in the list of Bluetooth devices detected. If your mobile phone asks for a PIN, enter 0000.



**5.1.3 Pairing When the Harley-Davidson Audio 50C is Turned On**

1. While the headset is on, press and hold the **Phone Button** for **5 seconds**.



2. Select **H-D Audio 50C** in the list of Bluetooth devices detected. If your mobile phone asks for a PIN, enter 0000.



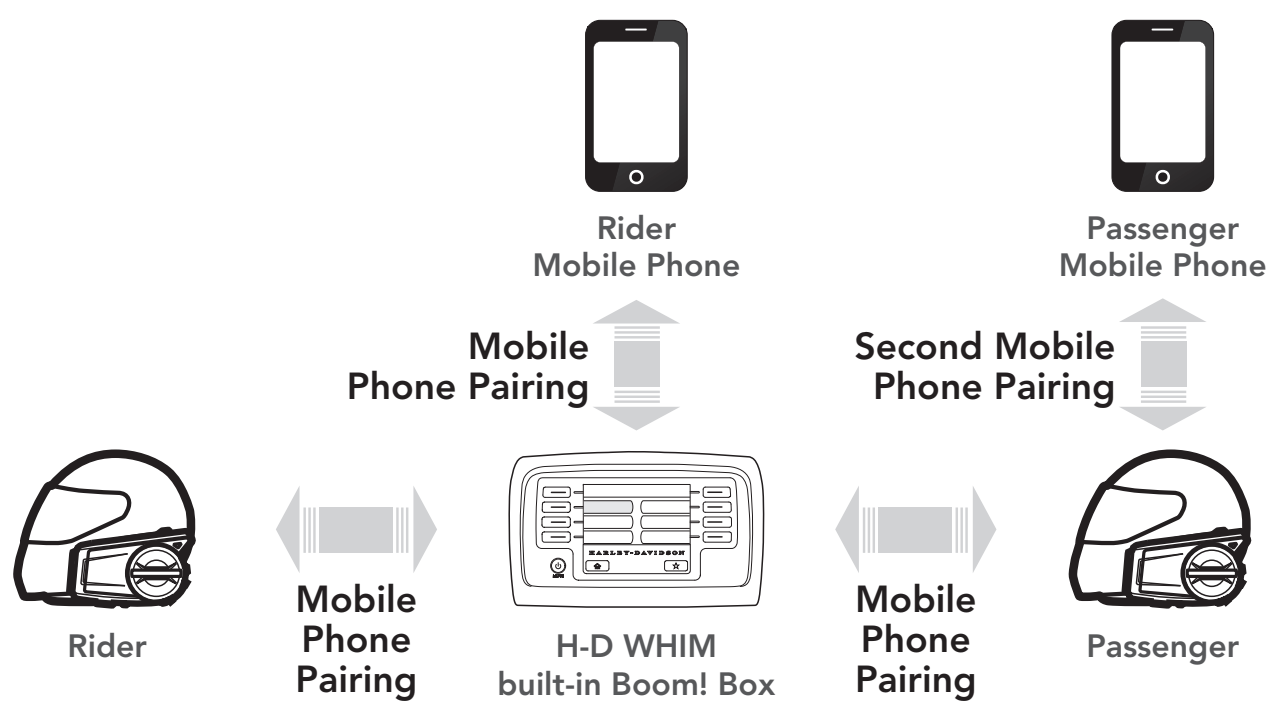
## 5.2 Pairing with the H-D WHIM Wireless Headset Interface Module

The H-D WHIM built-in Boom! Box is a Wireless Headset Interface for group communication. You can pair the headset with an H-D WHIM built-in Boom! Box by mobile phone pairing.

1. Press and hold the **Phone Button** for **5 seconds** and you will hear a voice prompt, **"Phone pairing"**.
2. Turn on the Boom! Box system and follow the **"Wireless Headset Setup"** procedure to complete the process. Please refer to the Boom! Box Owner's Manual for details.
3. When the pairing is completed, you will hear a voice prompt, **"Your headset is paired"**.
4. If the pairing process is not completed within three minutes, the headset will return to stand-by mode.

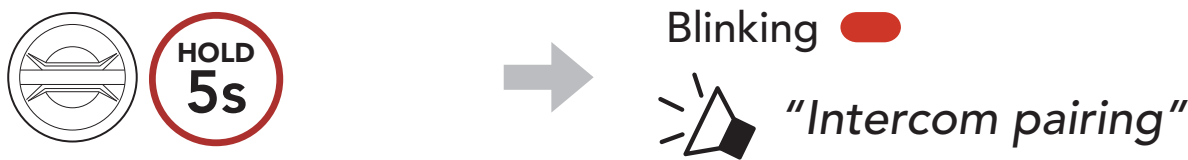
The H-D WHIM built-in Boom! Box can be connected to the rider and the passenger's headset. Also, the H-D WHIM built-in Boom! Box can be connected to the rider's mobile phone. The rider's headset should be paired first followed by the passenger's. Please refer to the Boom! Box Owner's Manual for details. You can listen to music, answer a mobile call, and have an intercom conversation via the H-D WHIM built-in Boom! Box for group communication as shown in the figure.

Parallel Connection of H-D WHIM built-in Boom! Box and Mobile Phone by Mobile Phone Pairing



5.3 Second Mobile Phone Pairing- Second Mobile Phone, GPS, and SR10

1. Press and hold the **Jog Dial** for **5 seconds**.



2. Tap the **Phone Button**.



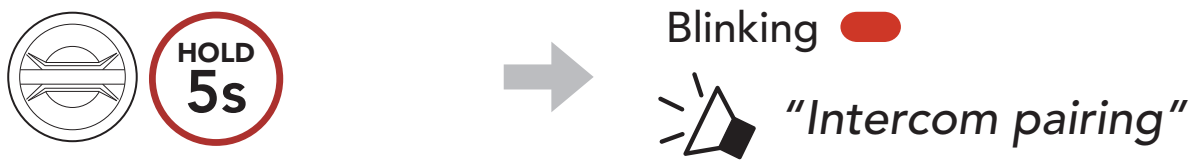
3. Select **H-D Audio 50C** in the list of Bluetooth devices detected. If your mobile phone asks for a PIN, enter 0000.





## 5.4 GPS Pairing

1. Press and hold the **Jog Dial** for **5 seconds**.



2. Tap the **Phone Button**.



3. Tap the **Phone Button**.



4. Select **H-D Audio 50C** in the list of devices detected. If your Bluetooth device asks for a PIN, enter 0000.



**Note:** If you pair your GPS device via GPS Pairing, its instruction will interrupt your Mesh Intercom conversations.

## 5.5 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.

### 5.5.1 Phone Selective Pairing - Hands-Free Profile

1. Press and hold the **Phone Button** for **5 seconds**.



2. Tap the **Phone Button**.



3. Select **H-D Audio 50C** in the list of Bluetooth devices detected. If your mobile phone asks for a PIN, enter 0000.



5.5.2 Media Selective Pairing - A2DP Profile

1. Press and hold the **Phone Button** for 5 seconds.



2. Tap the **Jog Dial**.



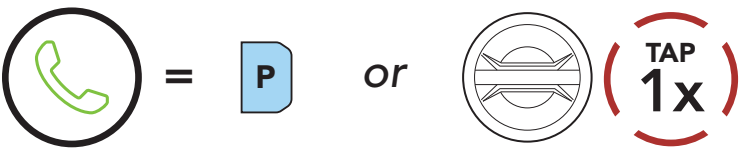
3. Select **H-D Audio 50C** in the list of Bluetooth devices detected. If your mobile phone asks for a PIN, enter 0000.



# 6. MOBILE PHONE USAGE

## 6.1 Making and Answering Calls

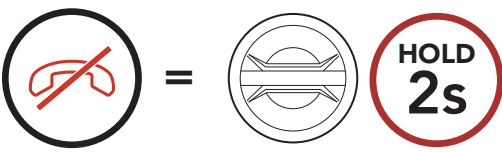
### Answer a Call



### End a Call



### Reject a Call



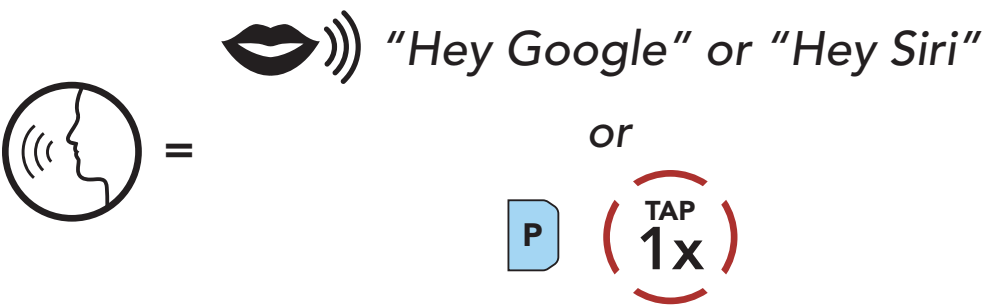
**Note:** If you have a GPS device connected, you will not hear its voice navigations during a phone call.

## 6.2 Siri and Google Assistant

The **Harley-Davidson Audio 50C** supports the **Siri** and **Google Assistant** access directly.

You can activate the **Siri** or **Google Assistant** using the voice through the headset’s microphone, a wake word will be used. This is a word or groups of words such as **“Hey Siri”** or **“Hey Google”**.

### Activate the Siri or Google Assistant Installed on Your Smartphone



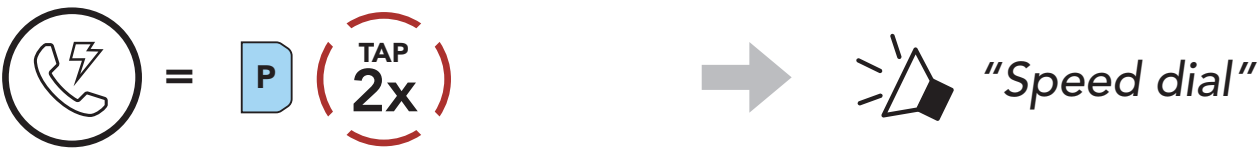
## 6.3 Speed Dialing

### 6.3.1 Assigning Speed Dial Presets

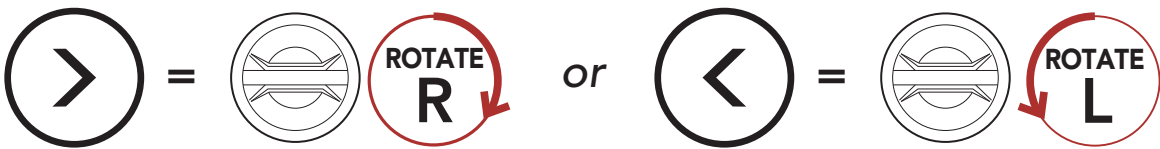
**Speed Dial Presets** could be assigned in the settings menu, accessible through the **Boom Audio Bluetooth Device Manager** or the **SENA MOTORCYCLES App**.

### 6.3.2 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

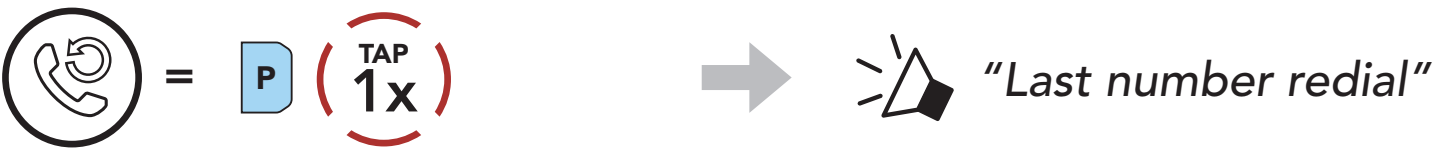
(4) Speed dial 3

(5) Cancel

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



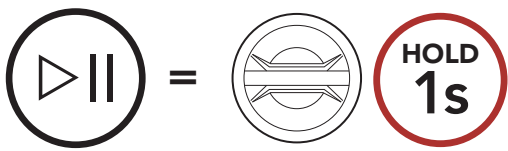
4. Redial the last number called.



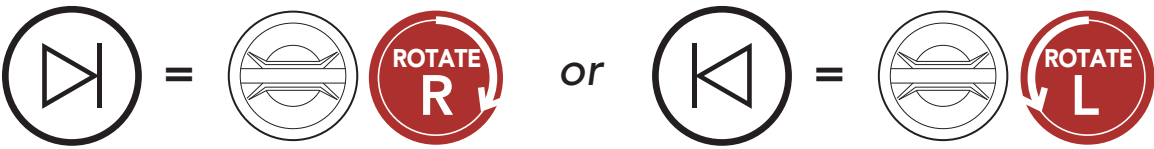
# 7. STEREO MUSIC

## 7.1 Playing Music with Bluetooth Devices

### Play/Pause Music



### Track Forward/Backward



## 7.2 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.

7.2.1 Bluetooth Intercom Music Sharing

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

Start Sharing Music



Terminate Sharing Music

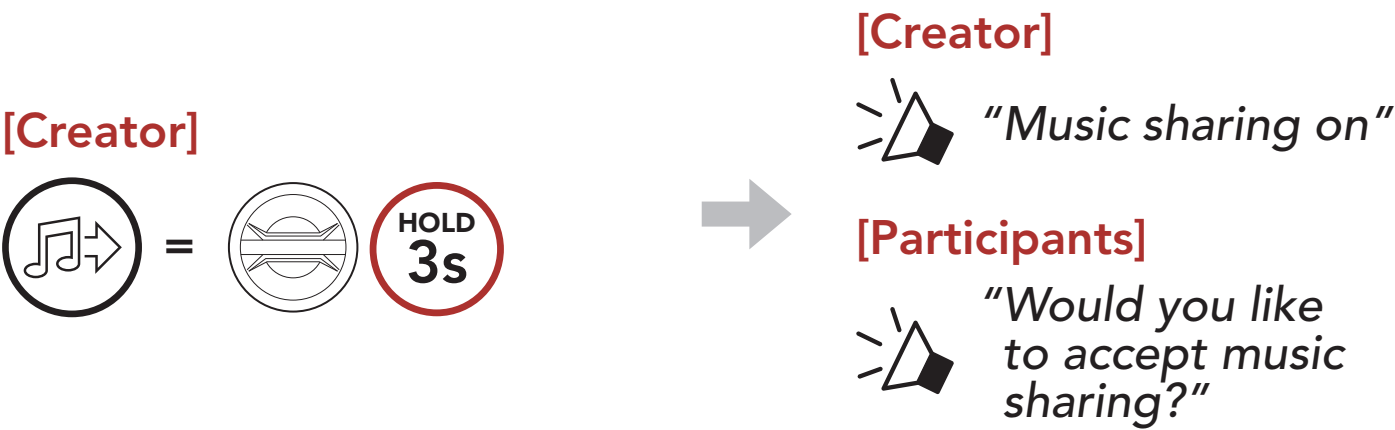


7.2.2 Mesh Intercom Music Sharing

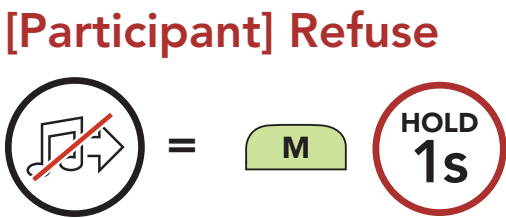
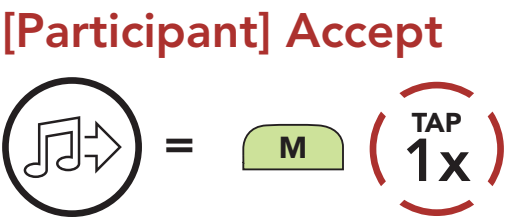
You can start sharing music with one participant of a **Mesh Intercom**.

Start Sharing Music

- 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.



Terminate Sharing Music

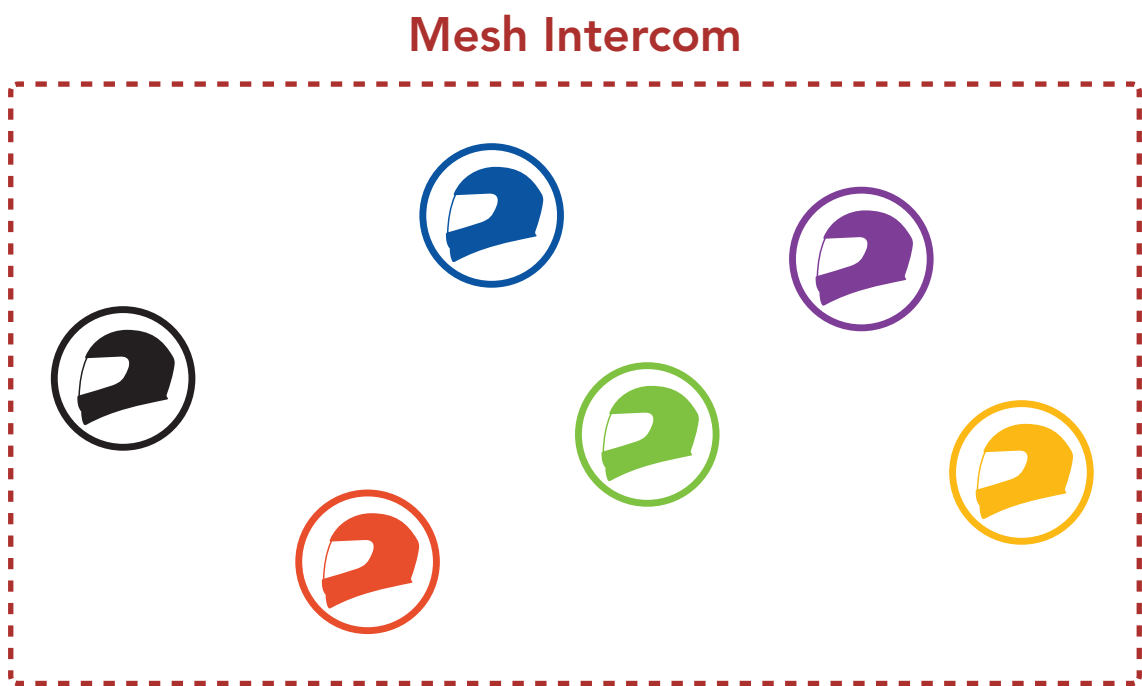


# 8. MESH INTERCOM

## 8.1 What is Mesh Intercom?

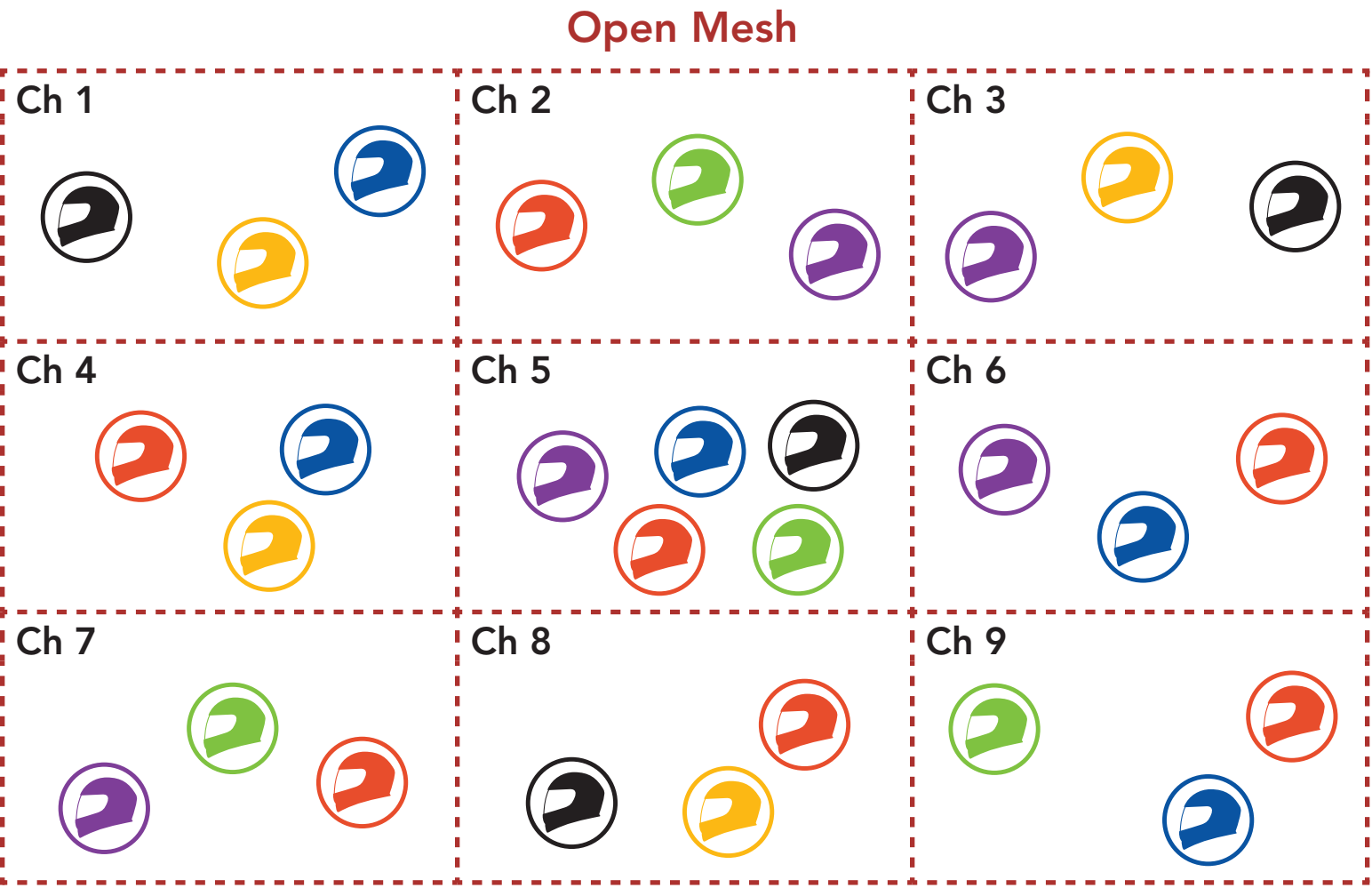
**Mesh Intercom™** is a dynamic communication system created by Harley-Davidson that provides instant and effortless bike-to-bike communication without a pre-grouping process. **Mesh Intercom** allows riders to connect and communicate with nearby users without the need to pair each headset together.

The working distance between each **Harley-Davidson Audio 50C** in **Mesh Intercom** can be up to 2 km (1.2 miles) in open terrain. In open terrain, the **Mesh** can be extended up to 8 km (5 miles) between a minimum of six users. Within the same channel in **Open Mesh™** or the same private group in **Group Mesh™**, six users can talk at the same time and enjoy the optimal quality for their conversation.



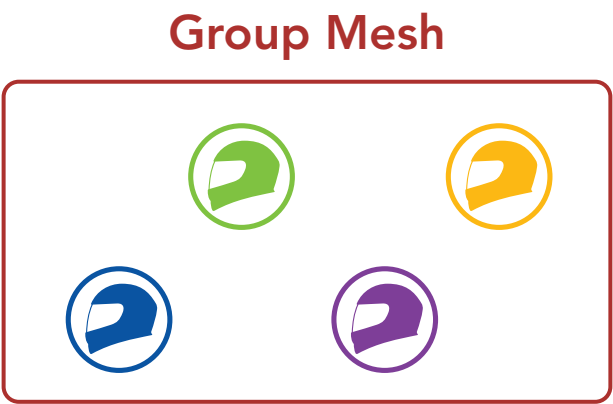
8.1.1 Open Mesh

**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 (1-9) to use through the headset. It can connect with a virtually unlimited number of users in each channel.



8.1.2 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.

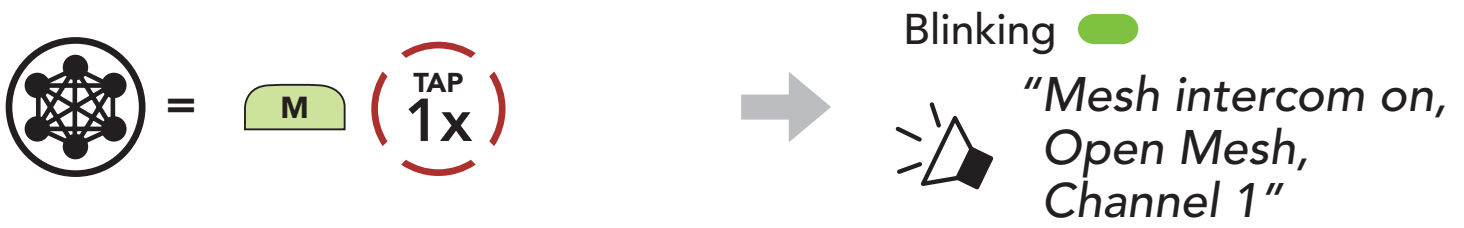




## 8.2 Starting Mesh Intercom

When **Mesh Intercom** is enabled, the **Harley-Davidson Audio 50C** will automatically connect to nearby **Harley-Davidson Audio 50C** users and allow them to talk to each other by pressing the **Mesh Intercom Button**.

### Mesh Intercom On



### Mesh Intercom Off



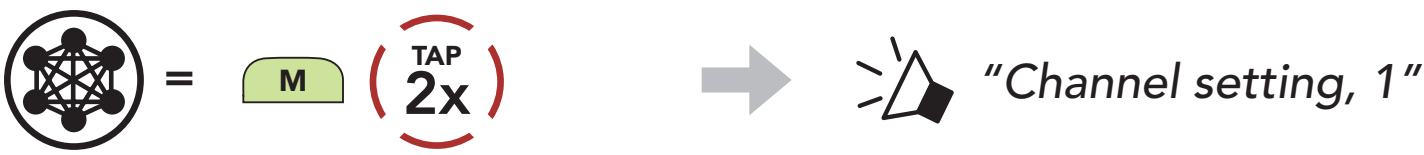
## 8.3 Using the Mesh in Open Mesh

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

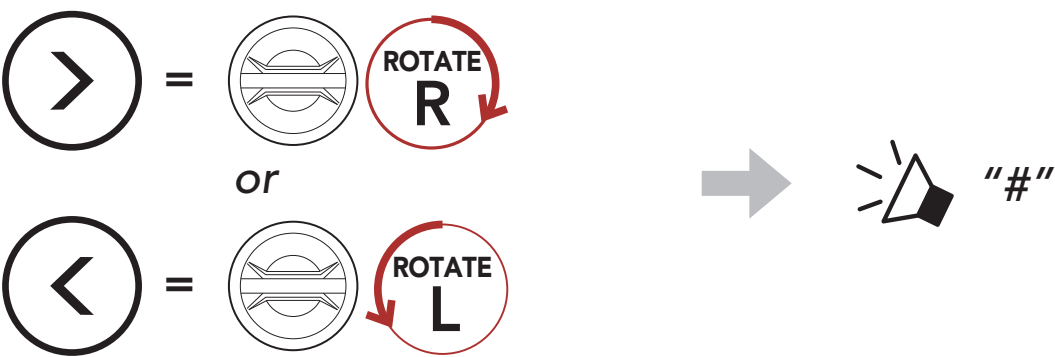
### 8.3.1 Channel Setting (Default: channel 1)

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 9.

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



- 2. Navigate between channels.  
(1 → 2 → ... → 8 → 9 → Exit → 1 → ...)



3. Save the channel.



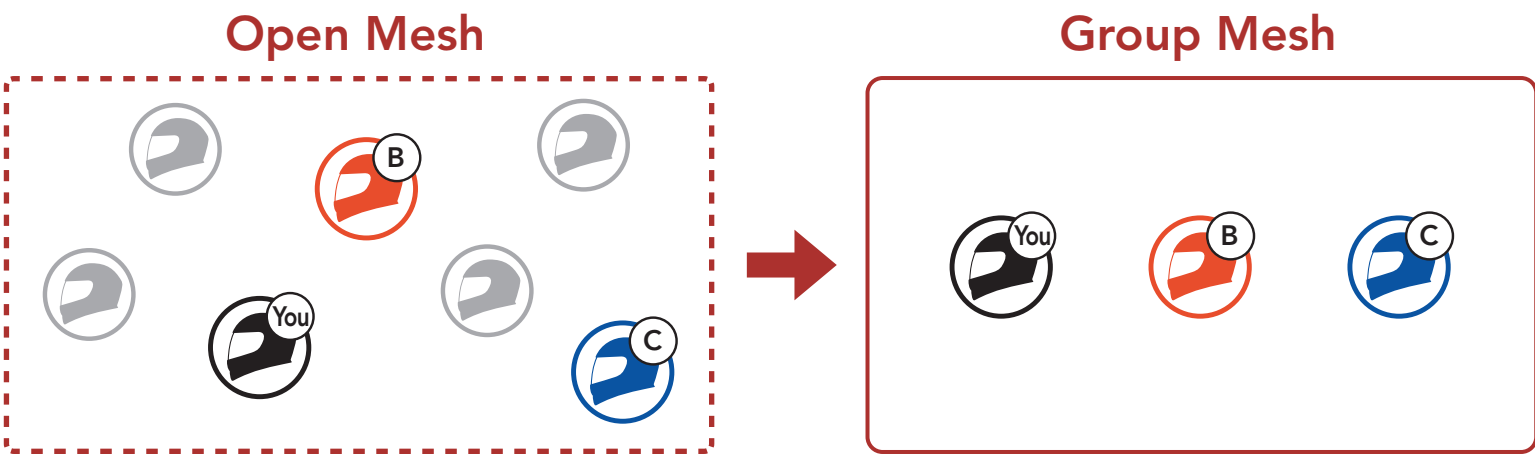
**Note:**

- **Channel Setting** always starts with channel 1.
- 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 **Harley-Davidson Audio 50C**.
- You can use the **SENA MOTORCYCLES App** to change the channel.

## 8.4 Using Mesh in Group Mesh

### 8.4.1 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 **users' (You, B, and C)** headsets.



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

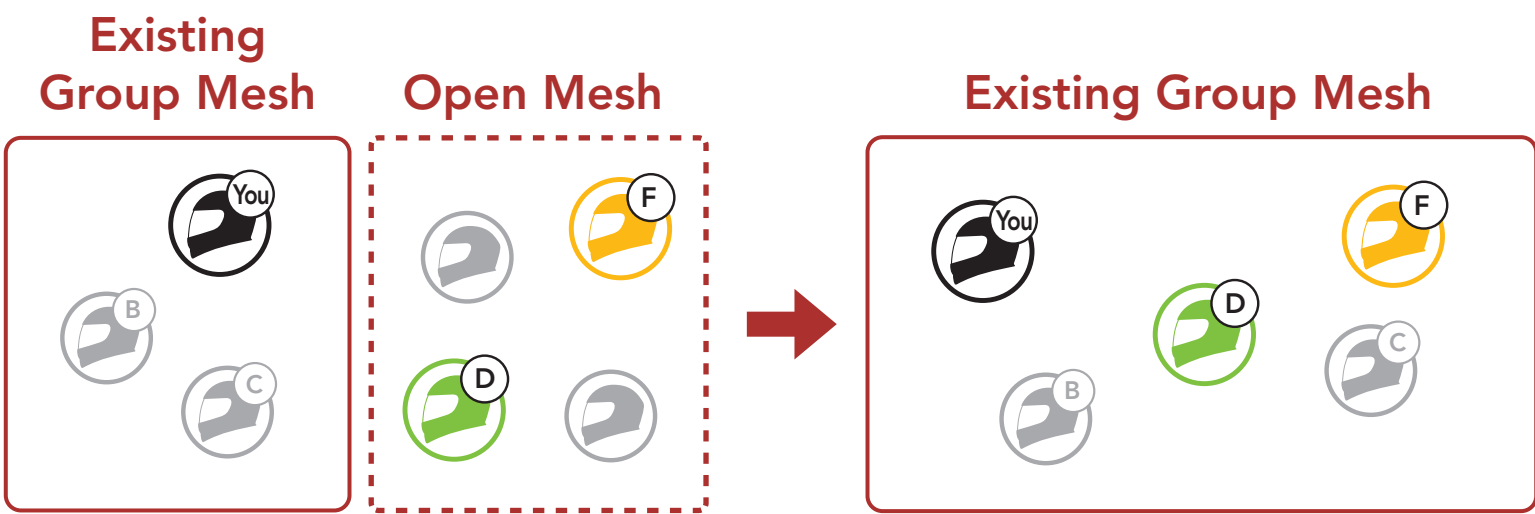


**Note:**

- 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**.

8.4.2 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**.



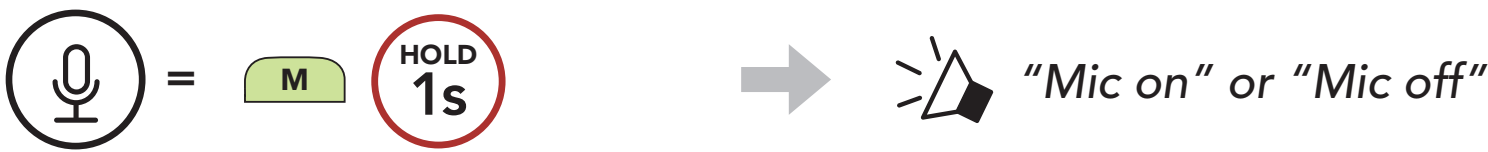
2. When **Mesh Grouping** is completed, the **new users (D and F)** will hear a voice prompt on their headset as **Open Mesh** switches to **Group Mesh**.



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

### 8.5 Enable/Disable Mic (Default: Enable)

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

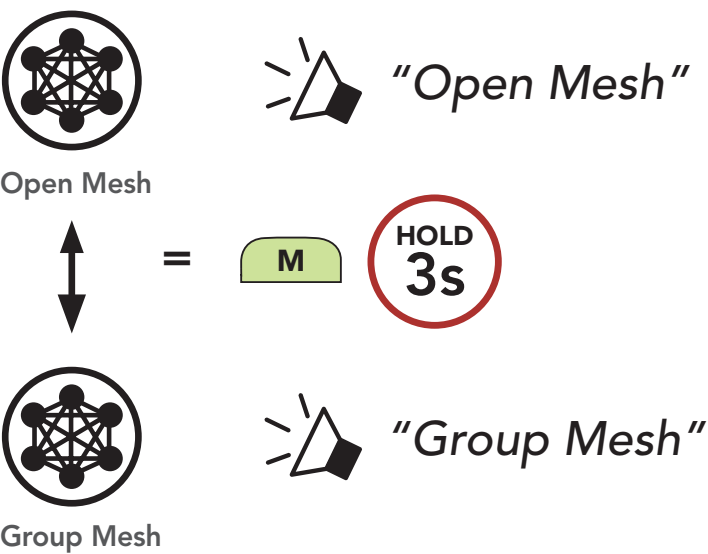


### 8.6 Toggling Open Mesh/Group Mesh

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"**.

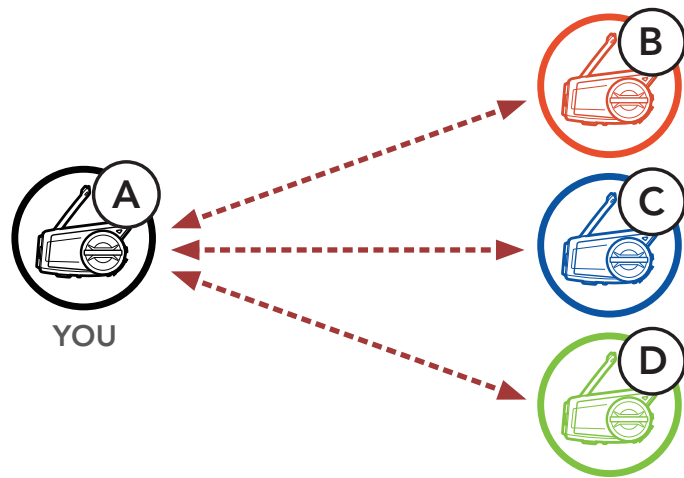
### 8.7 Reset Mesh

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



# 9. BLUETOOTH INTERCOM

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






## 9.1 Intercom Pairing

There are two ways to pair the headset.

### 9.1.1 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**.



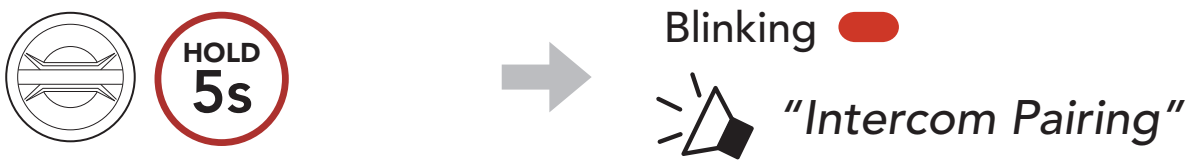
- 4. Tap **Save** and check that your friend **(B)** is paired with **you (A)** correctly.
- 5. Tap **Scan** (📷) and repeat steps 3-4 to pair with **Intercom Friends (C)** and **(D)**.

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

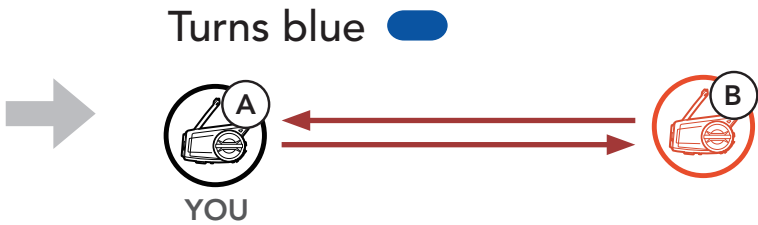
9.1.2 Using the Button



- 1. The **users (You, B)** enter into **Intercom Pairing**.



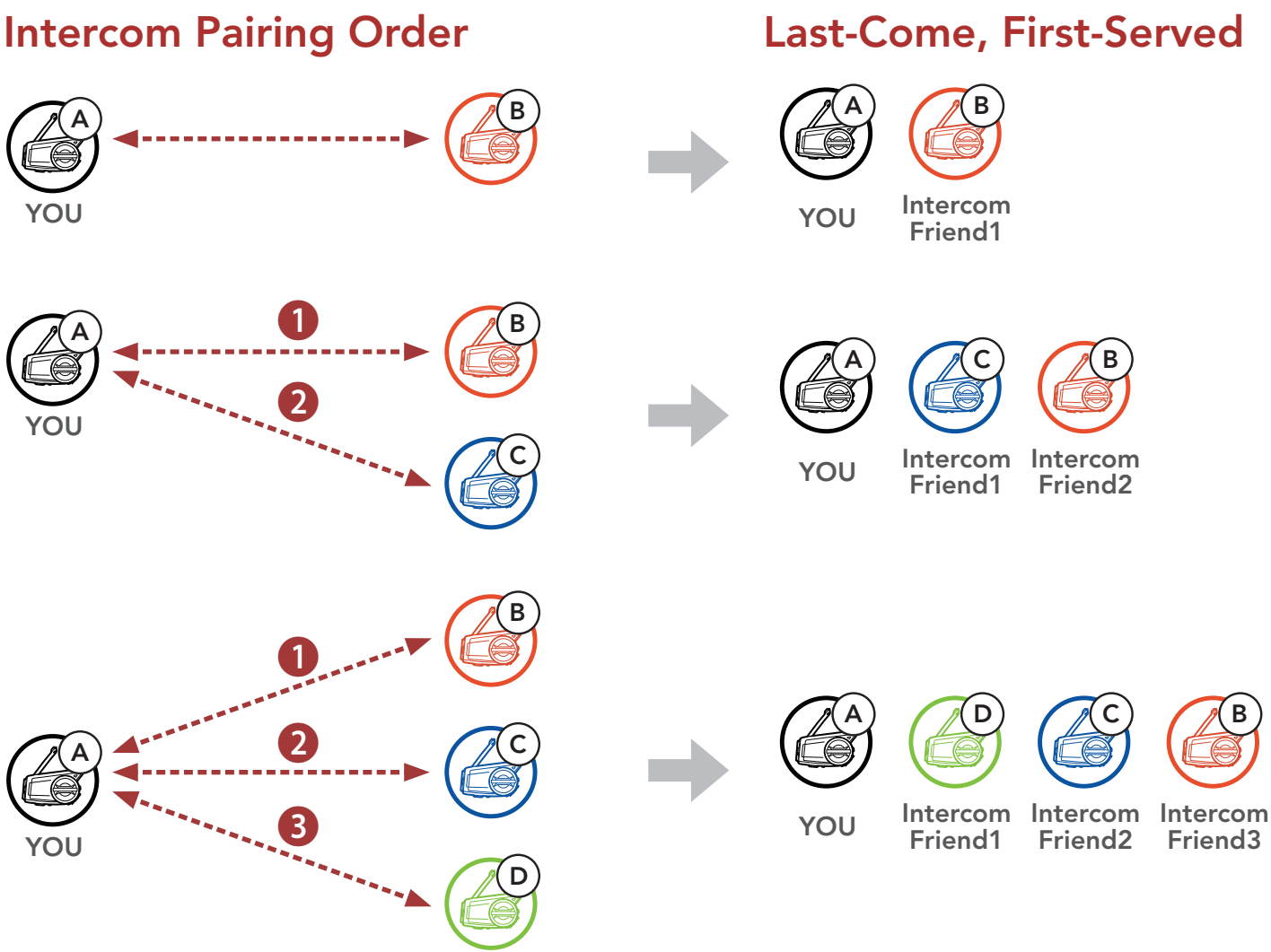
- 2. The **users' headsets** will be automatically paired.



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

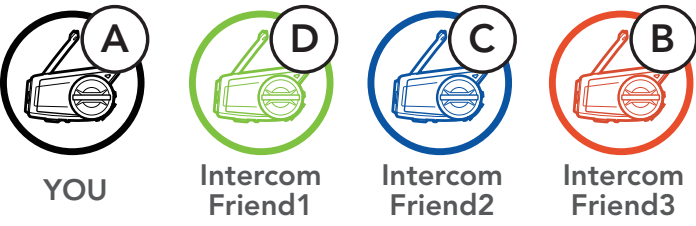
## 9.2 Last-Come, First-Served

The intercom pairing queue is **Last-Come, First-Served**. If a 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).

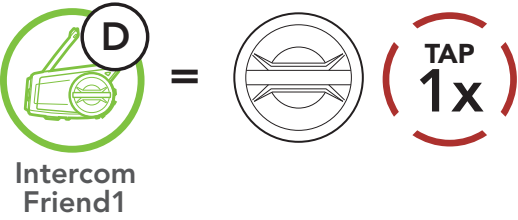


### 9.3 Two-Way Intercom

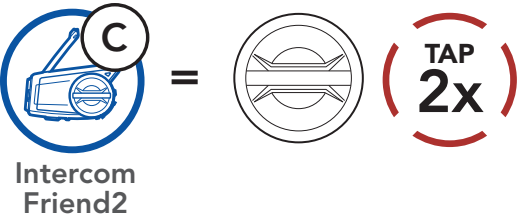
You can start or end an intercom conversation with an **Intercom Friend**.



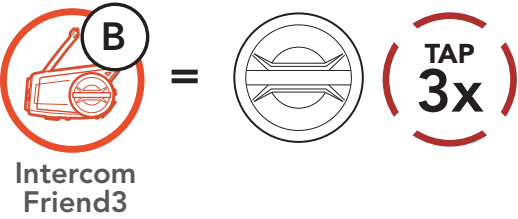
#### Start/End Conversation with the First Intercom Friend D



#### Start/End Conversation with the Second Intercom Friend C



#### Start/End Conversation with the Third Intercom Friend B





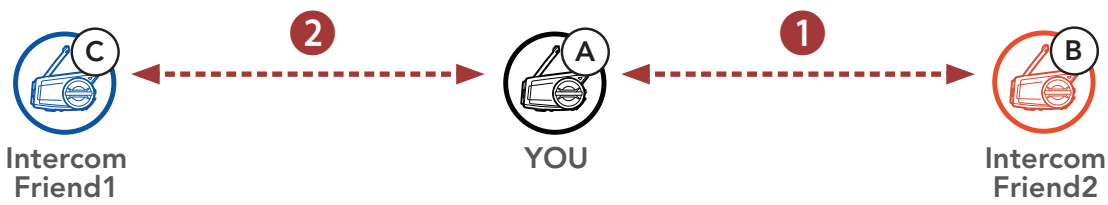
## 9.4 Multi-Way Intercom

**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.

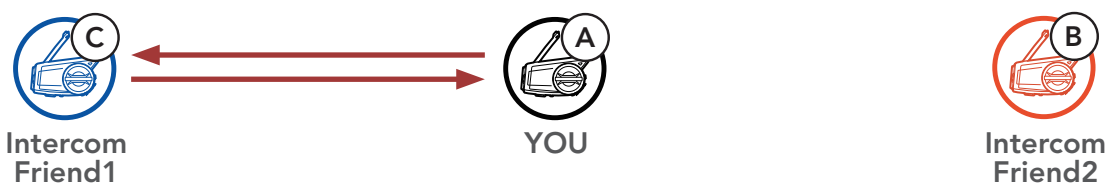
### 9.4.1 Starting a Three-Way Intercom Conference

**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 **Jog Dial**.



- 3. **You (A)** can call the **Second Intercom Friend (B)** by double tapping the **Jog Dial**, 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**.



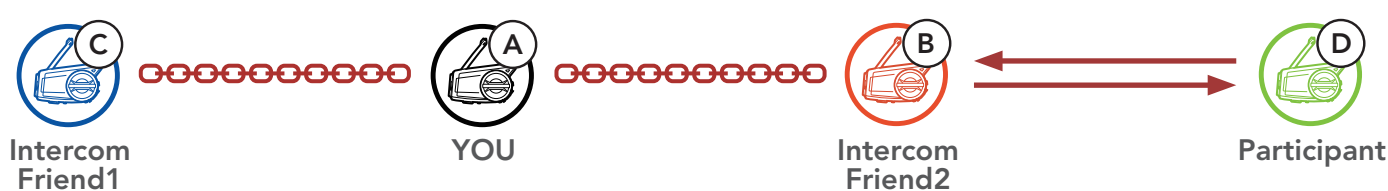
9.4.2 Starting a Four-Way Intercom Conference

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 **Jog Dial**, 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**.



9.4.3 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 **Jog Dial** for **1 second**.

Disconnect the Intercom Connection with One of the Intercom Friends

- Disconnect (C): Tap the **Jog Dial**.
- Disconnect (B) & (D): Double tap the **Jog Dial**.

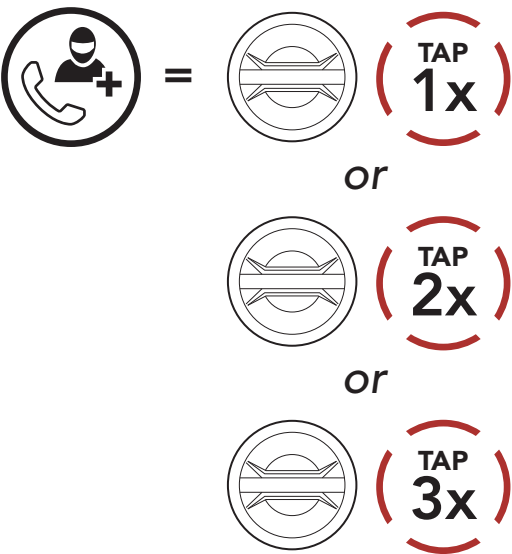
**Note:** When you disconnect the **second friend (B)**, you will be disconnected with the **third participant (D)** as well. This is because the **third participant (D)** is connected with you via the **second friend (B)**.

# 9.5 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.

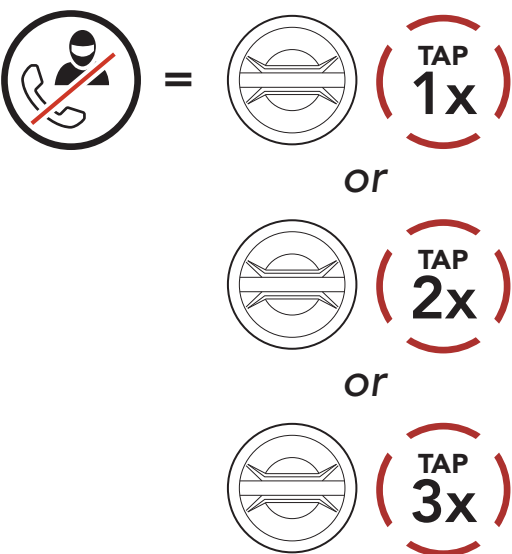
- 1. During a mobile phone call, tap the **Jog Dial once, twice or, three times** to invite one of your **Intercom Friends** to the conversation.

## Invite an Intercom Friend into Phone Conference



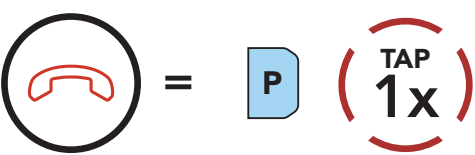
- 2. To disconnect the intercom during a conference phone call, tap the **Jog Dial once, twice or three times**.

## Disconnect an Intercom Friend from Conference



- 3. To disconnect the mobile phone call during a conference phone call, tap the **Phone Button**.

## End Phone Call from Conference



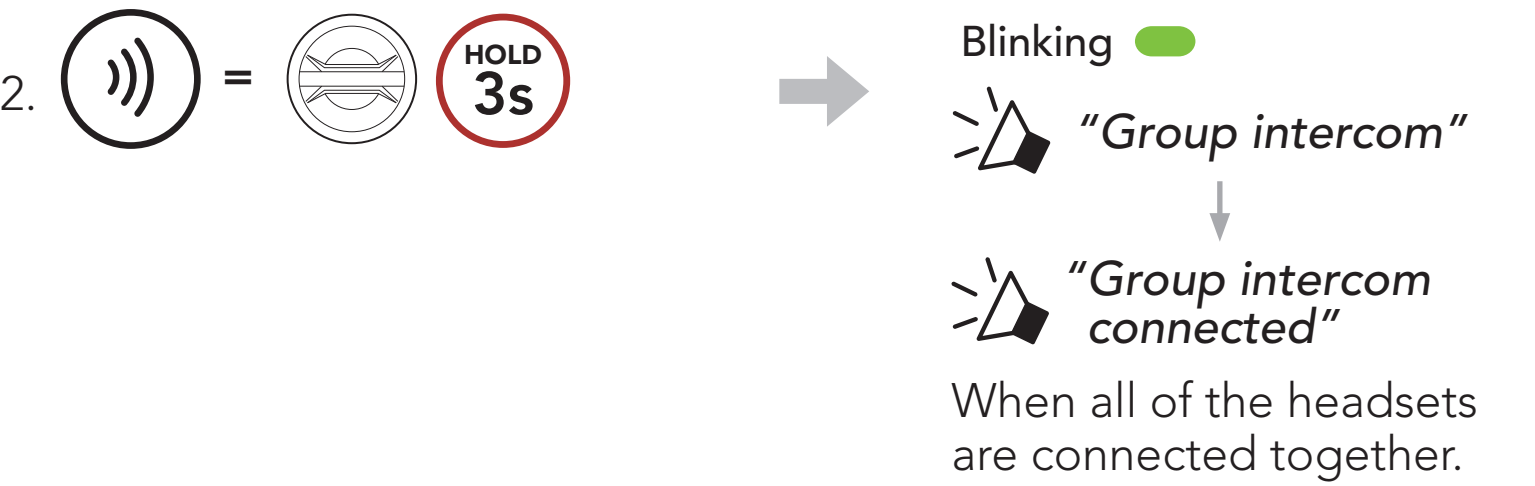
**Note:** When you have an incoming intercom call during a mobile phone call, you will hear high tone double beeps.

## 9.6 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.



### Terminate Group Intercom

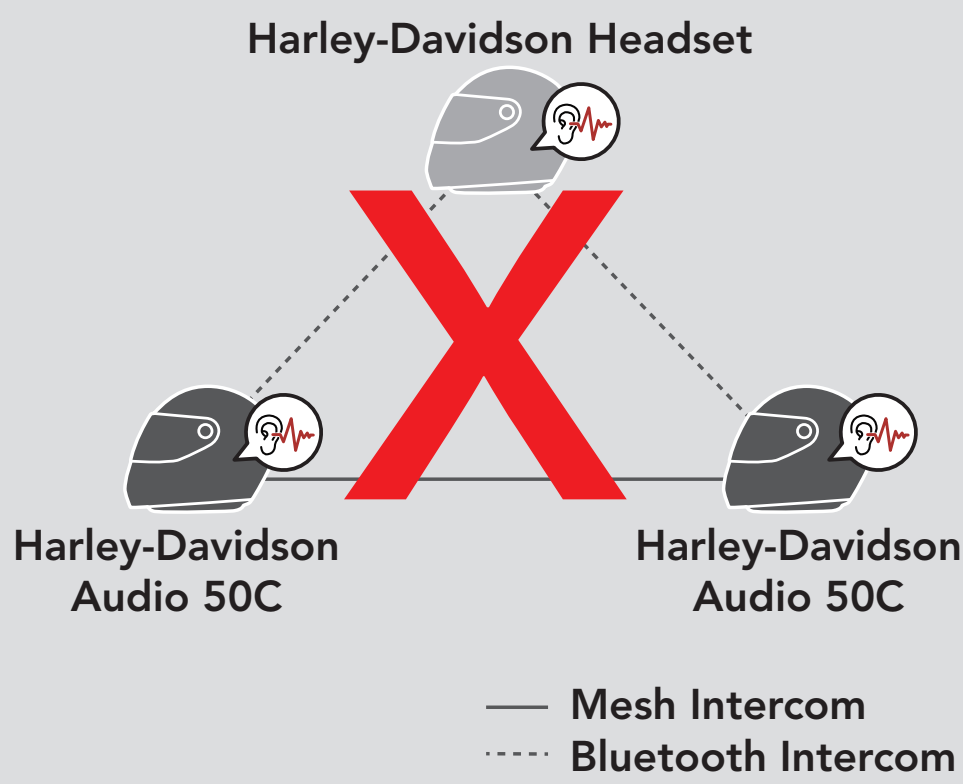


## 9.7 Mesh Intercom Conference with Bluetooth Intercom Participant

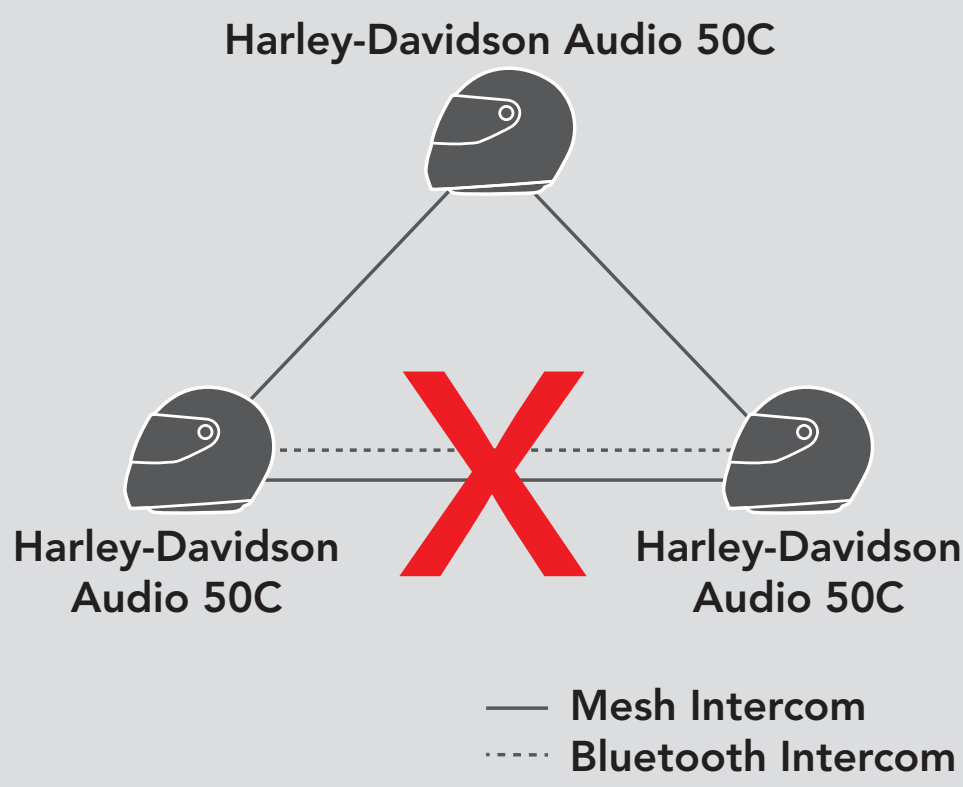
Users can use the existing Bluetooth intercom and **Mesh Intercom** function at the same time. In this case, it is recommended to communicate with other Harley-Davidson headsets via Bluetooth intercom connection and use **Mesh Intercom** between **Harley-Davidson Audio 50C** headsets. A user who is in **Open Mesh** or **Group Mesh** when using Mesh Intercom is able to include up to 3 of their Bluetooth intercom friends. You can start a Two-Way Intercom conversation with one of your three Intercom Friends to include them in the Mesh.

**Note:**

- The audio quality will be reduced if a **Harley-Davidson Audio 50C** connects to 2 or more Bluetooth intercom friends while in **Open Mesh** or **Group Mesh** when using **Mesh Intercom**.
- If a closed loop is created, as shown below, each user will experience severe noise issues. Harley-Davidson recommends that a closed loop not be created.



- If **Bluetooth intercom** is accidentally turned on during **Mesh Intercom** communication between **Harley-Davidson Audio 50C** headsets, as shown below, you will hear a voice prompt, “**Mesh intercom disabled, Bluetooth intercom connected**” every **1 minute**. If you turn off the **Bluetooth Intercom** or turn off the **Mesh Intercom**, the voice prompt will no longer come out.






# 10. UNIVERSAL INTERCOM


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




## 10.1 Universal Intercom Pairing

1.


 =  




→

 *"Configuration menu"*
2.

 =  

→

 *"Universal intercom pairing"*
3.

 =  

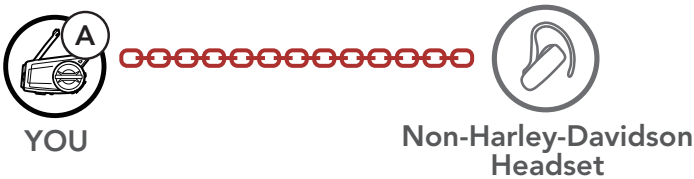
→

Enter into **Universal Intercom Pairing** mode.
4.

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

## 10.2 Two-Way Universal Intercom

You can initiate the **Universal Intercom** connection with non-Harley-Davidson Bluetooth headsets using the same intercom connection method as you would between other Harley-Davidson 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 9.3: "Two-Way Intercom"**.



# 10.3 Multi-Way Universal Intercom

You can have **Multi-Way Intercom** communication with up to **three Intercom Friends** using non-Harley-Davidson headsets. Some non-Harley-Davidson 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 9.4: "Multi-Way Intercom"**.

## 10.3.1 Three-Way Universal Intercom

You may make a **Three-Way Universal Intercom** connection with two headsets and one non-Harley-Davidson 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-Harley-Davidson Bluetooth headset **(B)** and another headset **(C)** for the **Three-Way Conference Intercom**.



- 2. Start an intercom conversation with a non-Harley-Davidson Bluetooth headset **(B)** in your intercom group. For example, **you (A)** may start an intercom conversation with non-Harley-Davidson Bluetooth headset **(B)**. The non-Harley-Davidson 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-Harley-Davidson Bluetooth headset **(B)**, and the other headset **(C)** are having a **Three-Way Conference Intercom**.



10.3.2 Four-Way Universal Intercom

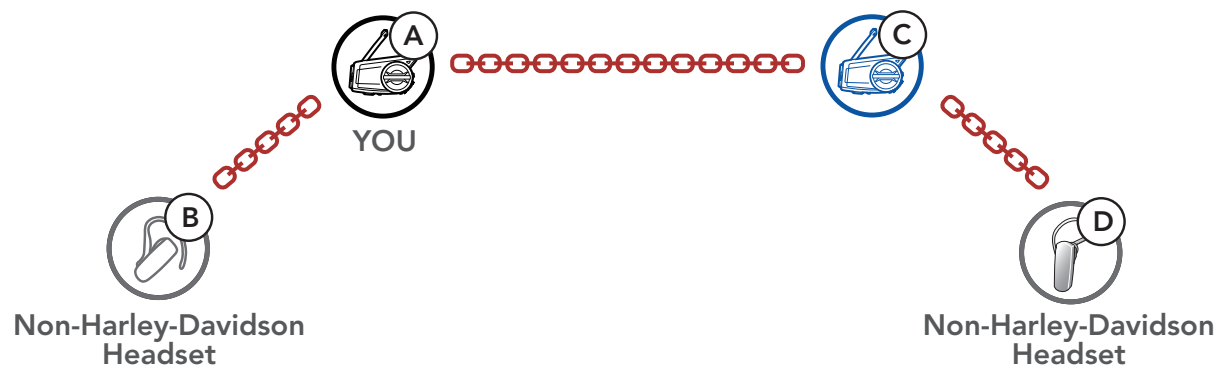
You may make the **Four-Way Universal Intercom** call the same way as a normal **Four-Way Intercom** call.

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

- 1) two headsets and two non-Harley-Davidson Bluetooth headsets or
- 2) three headsets and one non-Harley-Davidson Bluetooth headset.

Four-Way Universal Intercom Case 1

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



Four-Way Universal Intercom Case 2

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





## 10.4 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-Harley-Davidson headset** via **Two-way Universal Intercom** connection and use **Mesh Intercom** between **Harley-Davidson Audio 50C 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**.

# 11. USING THE FM RADIO

## 11.1 FM Radio On/Off

### FM Radio On



### FM Radio Off

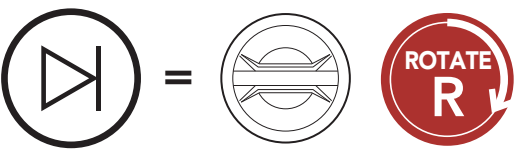


## 11.2 Seek and Save Radio Stations

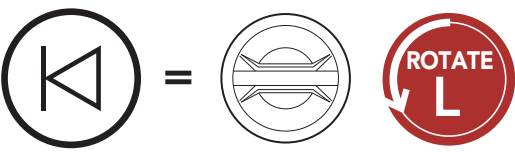
The **“Seek”** feature searches for radio stations.

- 1. Search for radio stations.

### Seek Stations Forward



### Seek Stations Backward



- 2. Save the current station.

### Enter Preset Selection Mode



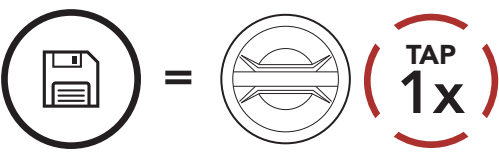
- 3. Navigate through the preset numbers that you want to store.

### Navigate Forward/Backward Through Preset Stations

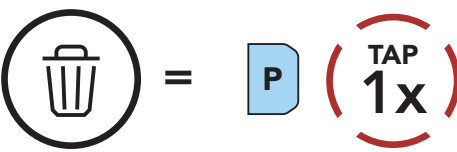


- 4. Save the station in the preset number you choose or delete the station from memory.

### Save Station to the Preset Number



### Delete Station from Memory

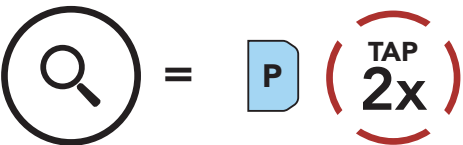


### 11.3 Scan and Save Radio Stations

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**



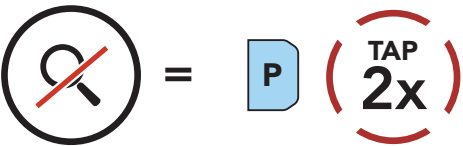
- 2. The Harley-Davidson tuner pauses at each station it finds for **8 seconds** before moving to the next.
- 3. Save the current station. The station will be saved as the next preset number.

**Save the Current Station**



- 4. Stop scanning.

**Stop scanning**



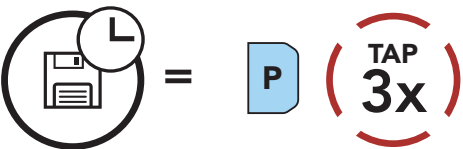
**Note:** You can use the **Boom Audio Bluetooth Device Manager** or the **SENA MOTORCYCLE App** to save the preset stations.

### 11.4 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**

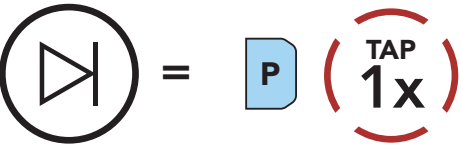


- 2. The temporary preset stations will be cleared when the headset reboots.

# 11.5 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



# 12. 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 handsfree 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]"
	Turn on Camera	"Hey Sena, Camera On"
	Turn off Camera	"Hey Sena, Camera Off"
	Start Recording	"Hey Sena, Recording"
	Stop Recording	"Hey Sena, Stop Recording"
	Start Video Tagging	"Hey Sena, Tag Video"
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"

Mode Status	Function	Voice Command
Standby/ Intercom/ Mesh Intercom/ Music	Turn on FM radio	“Hey Sena, FM Radio On”
Music/ FM Radio	<ul style="list-style-type: none"><li>FM - Next Preset</li><li>Music - Next Track</li></ul>	“Hey Sena, Next”
	<ul style="list-style-type: none"><li>FM - Previous Preset</li><li>Music - Previous Track</li></ul>	“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 **Headset Language** feature on the **SENA MOTORCYCLES App**.
- If you set a language that does not support voice commands, the voice command will works 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. To improve the performance, minimize wind noise on the microphone by using a large microphone sponge and closing the visor.

# 13. FUNCTION PRIORITY

## 13.1 Function Priority

The headset prioritizes connected devices in the following order:

- (highest) Mobile phone
- Mesh Intercom/Bluetooth Intercom
- Music sharing via Bluetooth stereo
- 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 Boom Audio Bluetooth Device Manager

You can upgrade firmware using the **Boom Audio Bluetooth Device Manager**.

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

Please visit [oem.sena.com/harley-davidson](https://oem.sena.com/harley-davidson) to check for the latest software downloads.

[Click Here to Visit oem.sena.com/harley-davidson](https://oem.sena.com/harley-davidson)

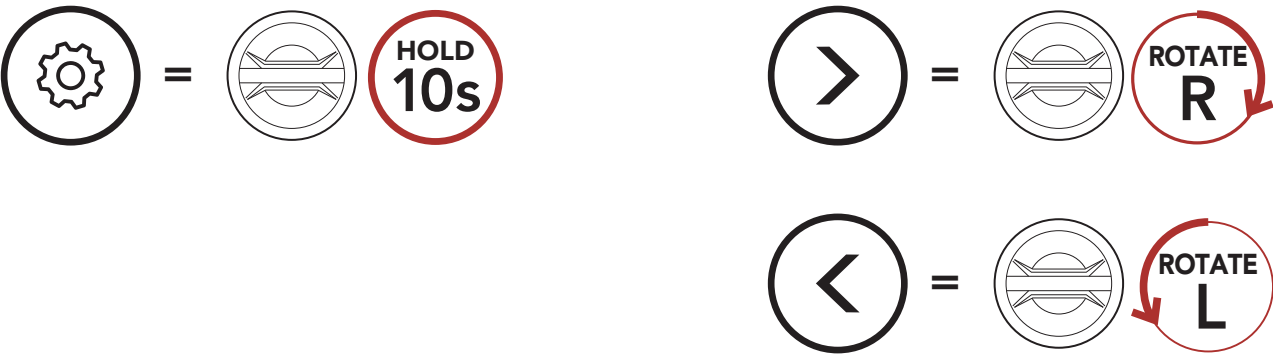


# 14. CONFIGURATION SETTING

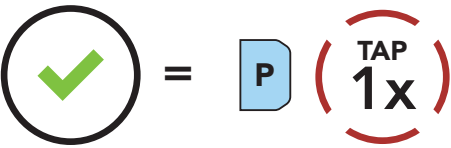
## 14.1 Headset Configuration Menu

Access the Configuration Menu

Navigate Between Menu Options



Execute Menu Options



### Headset Configuration Menu

Voice Configuration Menu	Tap the Phone Button
Delete All Pairings	Execute
Remote Control Pairing	Execute
Universal Intercom Pairing	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**.



### 14.2.1 Headset Language

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

### 14.2.2 Audio 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).

### 14.2.3 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 have to tap the **Jog Dial** or the **Phone Button** to answer an incoming call.

### 14.2.4 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 **Jog Dial**, you have to terminate the intercom conversation manually. However, if you start the intercom by voice and end it manually by tapping the **Jog Dial**, you will not be able to start intercom by voice temporarily. In this case, you have to tap the **Jog Dial** 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.

### 14.2.5 VOX Sensitivity (Default: 3)

**VOX sensitivity** can be adjusted depending on your riding environment. **Level 5** is the highest sensitivity setting and **level 1** is the lowest.

### 14.2.6 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**.

### 14.2.7 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.

### 14.2.8 Bluetooth Intercom Audio Multitasking (Default: Disabled)

**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**.

### 14.2.9 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.

### 14.2.10 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.

### 14.2.11 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**.

### 14.2.12 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.

### 14.2.13 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

### 14.2.14 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.

### 14.2.15 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.

### 14.2.16 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.

## 14.3 Camera Configuration Setting

You can change the settings of the camera through the **Sena Camera App**.



### 14.3.1 Photo Mode (Default: Single Shot Mode)

You can select the photo mode to be either **single shot** or **burst shot**. **Single shot** takes a single photo while **burst shot** takes 8 photos.

### 14.3.2 Video Mode (Default: Normal Recording Mode)

You can select the video mode to be **normal recording mode**, **timelapse mode**, or **loop recording mode**. **Timelapse mode** records series of photos at timed intervals and makes it into a video. **Loop recording mode** constantly records videos at timed intervals, replacing old video files when memory is full.



### 14.3.3 Video Resolution (Default: 2160P/30fps)

You can select the **video resolution** to be 2160P/30fps, 1440P/30fps, 1080P/60fps, 1080P/30fps, 1080P/60fps + EIS and 1080P/30fps+EIS.

**Note:** Electronic image stabilization (EIS) is an image enhancement technique using electronic processing. EIS minimizes blurring and compensates for camera shake.

### 14.3.4 Timelapse Interval (Default: 1 sec)

You can select the **timelapse interval** to be **1 second**, **2 seconds**, **5 seconds** or **10 seconds**.

### 14.3.5 Video Microphone Gain (Default: Medium)

You can select the **microphone gain** for video recording to be **low**, **medium**, or **high**.

### 14.3.6 Date Caption (Default: Off)

You can record or hide **date caption** during video recording. If you select on, the date caption will be displayed on top of your recorded video. If you select off, the date caption will not be shown on your recorded video.

### 14.3.7 Smart Audio Mix™ (Always On)

**Smart Audio Mix** allows you to record everything you hear through your speakers as well as your voice during video recording. The function that governs **Smart Audio Mix** is called **Speaker Sound Recording**.

### 14.3.8 Auto Camera Sleep (Default: On)

You can set the camera to automatically power off after 5 minutes of inactivity. This feature does not work while charging the camera.

### 14.3.9 Format SD Card

SD card format will remove all files from a microSD card. When you use a new card for the first time, always format it before using the camera.

# 15. TROUBLESHOOTING

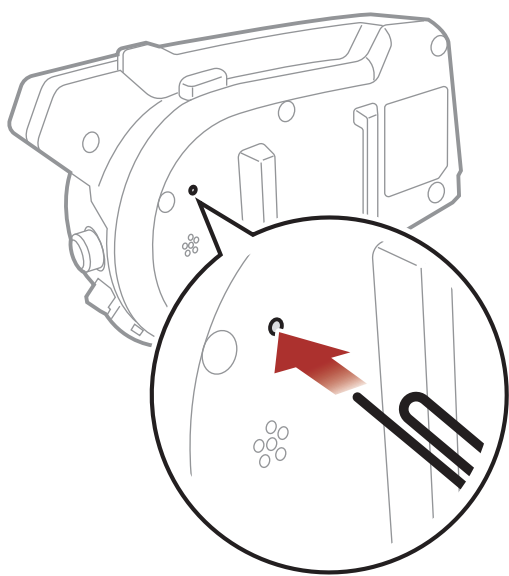
Please visit [support.sena.com](https://support.sena.com) for more troubleshooting information.

- Customer Support: [support.sena.com](https://support.sena.com)

## 15.1 Fault Reset

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

1. Locate the **Pinhole Fault Reset Button** at the back of the headset main unit.
2. Gently insert a paperclip into the hole and tap 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.

## 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.  =   →  "Factory Reset"
2.  =   →  "Headset reset, good-bye"



# 15.3 The Camera’s Warning

## 15.3.1 Memory is Full

When the memory is full



Blinking 

 *"Memory is full"*

→ Please format the SD card.

## 15.3.2 No microSD Card

If no microSD card is inserted in the  
microSD card slot



Blinking 


 *"No SD card"*


→ Please insert the microSD card before use.

## 15.3.3 microSD Card Error

If an error occurs on the microSD  
card



Blinking 

 *"SD card error"*

→ Please check the microSD card.

## 15.3.4 High Temperature

If the camera system becomes too  
hot





 *"High temperature  
problem"*

→ Cool down the camera before further use.