

# 

# MOTORCYCLE BLUETOOTH COMMUNICATION SYSTEM WITH MESH INTERCOM<sup>TM</sup>



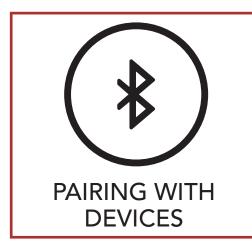


# CLICK ANY SECTION TO BEGIN















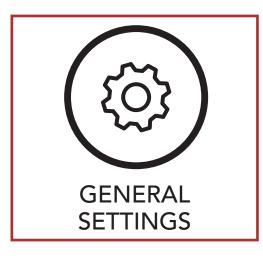
















## **LEGEND:**



**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 from the headset

# **TABLE OF CONTENTS**

В	BOUT THE MOTORCYCLE LUETOOTH COMMUNICATION YSTEM WITH MESH INTERCOMTM	9
1.1	Product Details	9
	1.1.1 Headset Main Unit	9
	1.1.2 Universal Clamp Kit	9
1.2	Package Contents	10
	NSTALLING THE HEADSET ON YOUR HELMET	12
2.1	Helmet Installation	12
2.2	Using the Glued Surface Mounting Adapter	15
2.3	Switching the Microphone	17
	2.3.1 Wired Boom Microphone	18
	2.3.2 Wired Microphone	18
2.4	Earbuds	19
2.5	External Mesh Intercom Antenna	19
3. 6	ETTING STARTED	20
3.1	Button Functions	20
3.2	Downloadable Sena Software	21
	3.2.1 Sena 30K Utility App	21
	3.2.2 Sena Device Manager	21
3.3	Powering On and Off	22
3.4	Charging	23
3.5	Checking the Battery Level	24
3.6	Volume Adjustment	25
3.7	Configuration Menu	26

*	4. PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES		29
	4.1	Mobile Phone	30
		4.1.1 Pairing When the 30K is Turned Off	30
		4.1.2 Pairing When the 30K is Turned On	31
	4.2	Additional Mobile Phones, MP3 Player or Sena SR10 Two-Way Radio Adapter	
	4.3	Advanced Selective Pairing:	
		Hands-Free or A2DP Stereo	33
		4.3.1 Phone Selective Pairing - Hands-Free Profile	33
		4.3.2 Media Selective Pairing - A2DP Profile	34
	4.4	GPS Pairing	36
	5. N	IOBILE PHONE USAGE	38
	5.1	Making and Answering Calls	38
	5.2	Speed Dialing	39
		5.2.1 Assigning Speed Dial Presets	39
		5.2.2 Using Speed Dial Presets	39
	5.3	VOX Phone (Default: Enable)	41
	6. S	TEREO MUSIC	42
	6.1	Playing Music with Bluetooth Devices	42
	6.2	Playing Music with non-Bluetooth	
		Devices	43
	6.3	Music Sharing	44
	6.4	Audio Boost (Default: Disable)	46
	6.5	Smart Volume Control	
		(Default: Disable)	46

	<b>7.</b> M	IESH INTERCOM	47
	7.1	What is Mesh Intercom?	47
		7.1.1 Open Mesh	48
		7.1.2 Group Mesh	49
	7.2	Starting Mesh Intercom	50
	7.3	Using the Mesh in Open Mesh	50
		7.3.1 Channel Setting (Default: channel 1)	51
	7.4	Using Mesh in Group Mesh	53
		7.4.1 Creating a Group Mesh	53
		7.4.2 Joining an Existing Group Mesh	54
	7.5	Reset Mesh	56
	7.6	Toggling Open Mesh/Group Mesh	56
	7.7	Enable/Disable Mic (Default: Enable)	<b>57</b>
	8. B	LUETOOTH INTERCOM SETUP	58
(((()))	8.1	Intercom Pairing	58
	8.2	Two-Way Intercom	61
	8.3	Multi-Way Intercom	62
		8.3.1 Starting a Three-Way Intercom	
		Conference	62
		8.3.2 Starting a Four-Way Intercom Conference	64
		8.3.3 Ending Multi-Way Intercom	65
	8.4	Three-Way Conference Phone Call	
		with Intercom Users	65
	8.5	Group Intercom	67
	8.6	Mesh Intercom Conference with	
		Bluetooth Intercom Participant	68
	8.7	Universal Intercom	70
	8.8	VOX Intercom (Default: Disable)	73
	8.9	Intercom VOX Sensitivity (Default: 3)	74
		HD Intercom (Default: Enable)	74
		Advanced Noise Control™	
	- <b>-</b>	(Default: Enable)	74

	9. AUDIO MULTITASKING	<b>75</b>
	9.1 Audio Multitasking Settings	75
	9.2 Intercom-Audio Overlay Sensitivity (Default: 3)	76
	9.3 Audio Overlay Volume Management (Default: Disable)	76
	10. USING THE FM RADIO	<b>77</b>
	10.1 FM Radio On/Off	77
	10.2 Seek and Save Radio Stations	78
	10.3 Scan and Save Radio Stations	80
	10.4 Temporary Station Preset	81
	10.5 Navigating Preset Stations	82
	10.6 Region Selection	82
	10.7 Radio Data System (RDS) Alternative Frequency (AF) Setting	02
	(Default: Disable)	83 83
	10.8 FM Station Guide (Default: Enable)	03
	11. AMBIENT MODE	84
	12. VOICE COMMAND	85
	12.1 Voice Command Setting (Default: Enable)	87
(m)	13. GENERAL SETTINGS	88
	13.1 Function Priority	88
	13.2 Firmware Upgrades	88
	13.3 Voice Prompts (Default: Enable)	89
	13.4 Sidetone (Default: Disable)	89
	13.5 Delete All Bluetooth Pairing Information	90

	14. REMOTE CONTROL	91
	14.1 Pairing with the Remote Control	91
	15. TROUBLESHOOTING	93
$(\langle i \rangle)$	15.1 Fault Reset	93
	15.2 Factory Reset	94



# 1. ABOUT THE **MENU MOTORCYCLE BLUETOOTH COMMUNICATION SYSTEM** WITH MESH INTERCOM<sup>TM</sup>

#### 1.1 **Product Details**

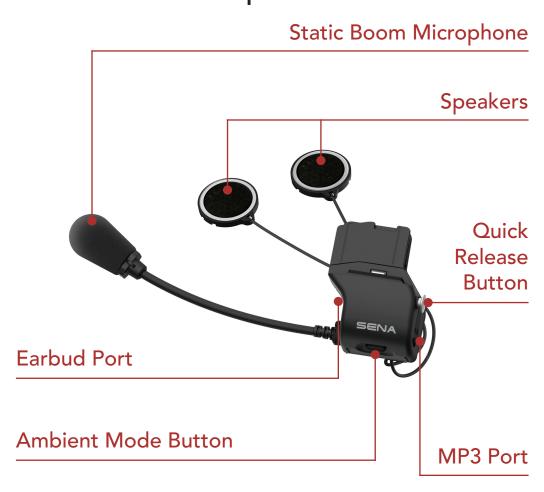
**Product Details** 

**Package Contents** 

## 1.1.1 Headset Main Unit



## 1.1.2 Universal Clamp Kit





# 1. ABOUT THE **MENU MOTORCYCLE BLUETOOTH COMMUNICATION SYSTEM** WITH MESH INTERCOM<sup>TM</sup>

# 1.2 Package Contents

## **Product Details**

**Package Contents** 

• 30K Headset Main Unit	SENA
• Universal Helmet Clamp	
Wired Boom Microphone	
Wired Microphone	
<ul> <li>Hook and Loop Fastener for Boom Microphone</li> </ul>	
<ul> <li>Hook and Loop Fastener for Wired Microphone</li> </ul>	
Microphone Sponges	
• Glued Surface Mounting Adapter	
• Foam Speaker Covers	



# 1. ABOUT THE **MENU MOTORCYCLE BLUETOOTH COMMUNICATION SYSTEM** WITH MESH INTERCOM<sup>TM</sup>

## **Product Details**

## Package Contents





#### **Helmet Installation** 2.1

Helmet Installation

Using the **Glued Surface** Mounting **Adapter** 

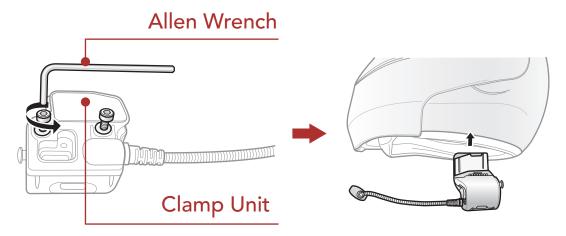
Switching the Microphone

**Earbuds** 

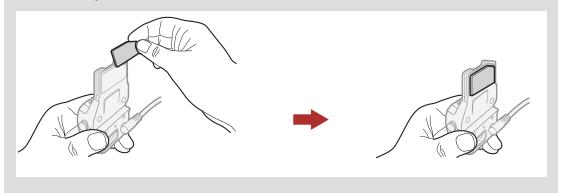
External Mesh Intercom **Antenna** 

To securely install the headset on the helmet, please follow this procedure.

1. Insert the back plate of the clamp unit between the internal padding and the external shell of the helmet, and tighten the two screws.



Note: Depending on the size and shape of your helmet, you may need to change the thickness of the rubber pad between the clamp plates using the two extra rubber pads in the box. To increase the overall thickness, attach the thinner one to the original rubber pad or replace the original rubber pad with the thicker one.







Helmet Installation

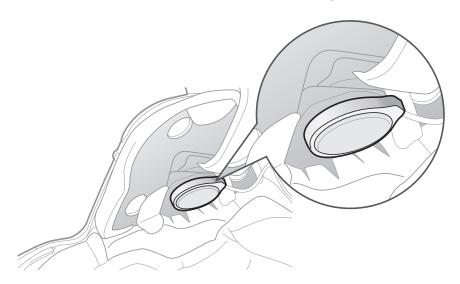
Using the **Glued Surface** Mounting **Adapter** 

Switching the Microphone

**Earbuds** 

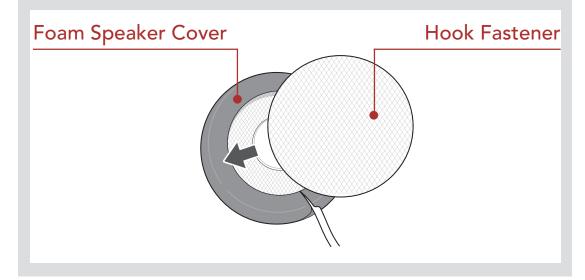
External Mesh Intercom **Antenna** 

2. Place the helmet speakers along with the hook and loop fasteners, centered to your ear, in the ear pockets of the helmet. If the helmet has deep ear pockets, you can use the speaker pads to place the speakers closer to your ears.



#### Note:

- The speaker with the shorter wire is for the left ear and the speaker with the longer one is for the right ear.
- To enhance the audio quality, you can make use of the foam speaker covers. Cover each speaker with the foam and attach the hook fastener at the back of the speaker. Then place the speakers in the helmet as described above. Foam covered speakers work most effectively when they are slightly touching your ears.







Helmet Installation

Using the **Glued Surface** Mounting **Adapter** 

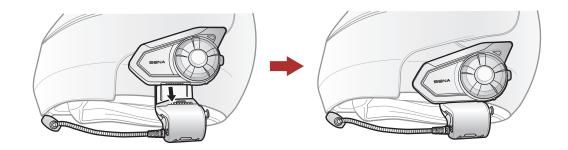
Switching the Microphone

**Earbuds** 

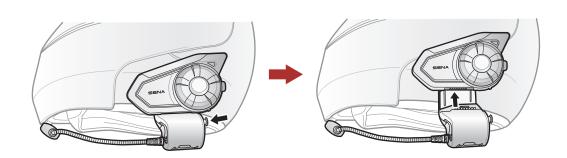
External Mesh Intercom **Antenna**  • Make sure that the microphone is located properly close to your mouth when you wear the helmet. Adjust the direction of the microphone so that the fin side of the microphone is facing outward, away from your lips.



3. Attach the headset main unit to the clamp unit. Slide the main unit down onto the clamp unit until it clicks firmly into the bottom portion of the clamp unit.



4. To remove the main unit from the clamp unit, press the Quick Release Button to slide it off the clamp unit.







Helmet Installation

Using the **Glued Surface** Mounting **Adapter** 

Switching the Microphone

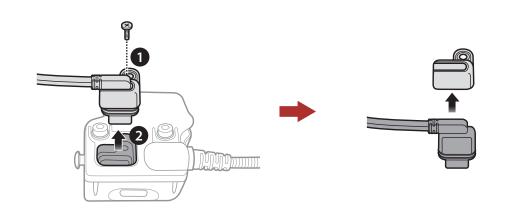
**Earbuds** 

External Mesh Intercom **Antenna** 

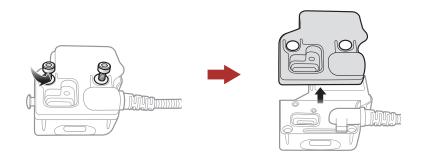
# **Using the Glued Surface Mounting Adapter**

If you have any problem equipping the clamp unit on the helmet for any reason, you may use the glued surface mounting adapter to attach the clamp unit on the external surface of the helmet.

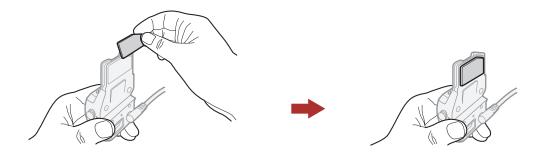
1. Remove the speaker unit.



2. Remove the back plate.



3. Remove the rubber pad and replace it with the thicker rubber pad included in the package.



4. Hook on the adapter to the clamp unit then screw in the glued external adapter to the clamp unit.





5. Reconnect the speaker cable to the speaker port.

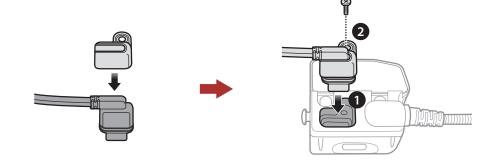
Helmet Installation

Using the **Glued Surface** Mounting **Adapter** 

Switching the Microphone

**Earbuds** 

External Mesh Intercom **Antenna** 



- 6. Locate a proper surface on the helmet to attach the unit then clean the helmet surface location with a moistened towel and allow to dry thoroughly.
- 7. Peel off the cover of the adhesive tape of the adapter and attach the unit on the proper surface of your helmet.



**A** Caution: Sena recommends using the clamp unit. The glued surface mounting plate is provided for convenience, but is not the recommended mounting method. Sena is not responsible for its use.





# Switching the Microphone

If you want to use a different microphone instead of the static boom microphone, please refer to the following steps.

- 1. Remove the back plate of the clamp unit.
- 2. Connect the microphone according to your helmet type.
- 3. Lock the microphone to the clamp.
- 4. Reattach the back plate to cover the microphone and the speaker port.

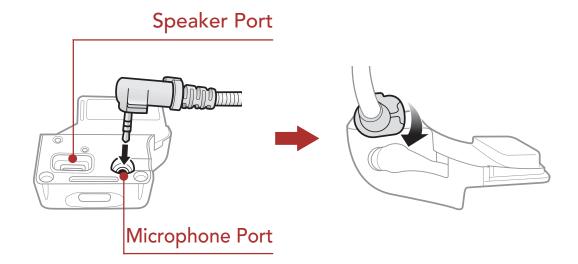
Helmet Installation

Using the **Glued Surface** Mounting **Adapter** 

Switching the Microphone

**Earbuds** 

**External Mesh** Intercom **Antenna** 







Helmet Installation

Using the **Glued Surface** Mounting **Adapter** 

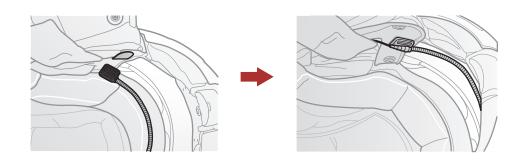
Switching the Microphone

**Earbuds** 

External Mesh Intercom **Antenna** 

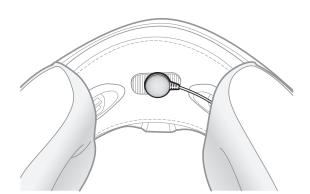
## 2.3.1 Wired Boom Microphone

When installing the included wired boom microphone, place the hook and loop fastener at the end of the boom microphone between the internal helmet cheek pad and the internal wall of the helmet shell. The boom microphone should be mounted so it is facing close to your mouth when you wear the helmet.



## 2.3.2 Wired Microphone

In case of the wired microphone, attach the enclosed hook and loop fastener for the wired microphone to the inside of the chin guard for full-face helmets. Place the wired microphone on the hook and loop fastener and connect it to the connector of the clamp unit.

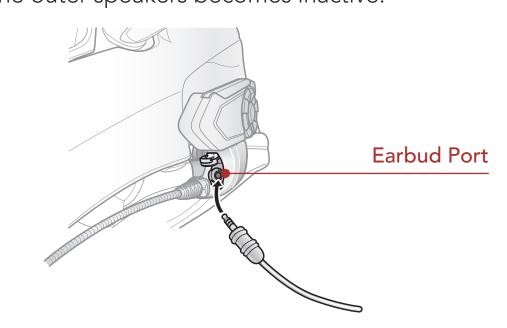






## 2.4 Earbuds

You can connect your earbuds to the clamp while having the speakers connected to the clamp. The sound of the earbuds will be active while the sound of the outer speakers becomes inactive.



Helmet Installation

Using the **Glued Surface** Mounting **Adapter** 

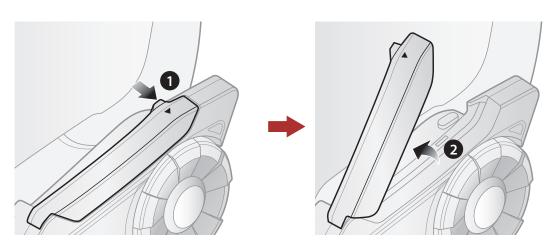
Switching the Microphone

**Earbuds** 

**External Mesh** Intercom **Antenna** 

## **External Mesh Intercom Antenna**

Pull the Mesh Intercom Antenna outwards slightly to unfold it.







#### 3.1 **Button Functions**

**Button Functions** 

**Downloadable Sena Software** 

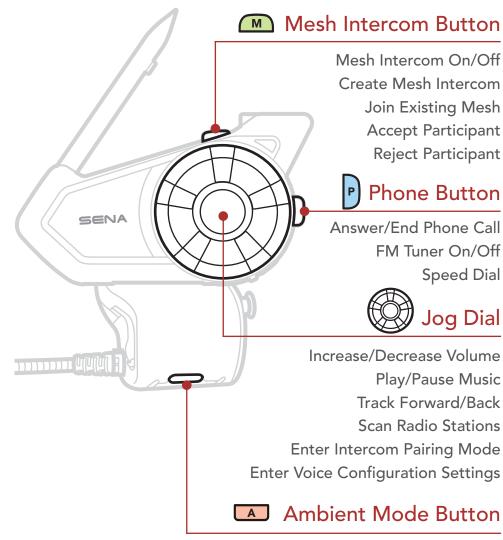
**Powering On** and Off

Charging

Checking the **Battery Level** 

Volume Adjustment

Configuration Menu



**Ambient Mode Group Intercom** Voice Command





#### **Downloadable Sena Software** 3.2

Button **Functions** 

**Downloadable** Sena Software

**Powering On** and Off

Charging

Checking the **Battery Level** 

Volume Adjustment

Configuration Menu

## 3.2.1 Sena 30K Utility App

By simply pairing your phone with your headset, you can use the Sena 30K Utility **App** for quicker and easier set up and management.

- App Features
  - Mesh Intercom, Bluetooth Intercom, Music, FM Radio, Device settings, Quick Start Guide, and User's Guide.
- Download
  - Android: Google Play Store > 'Sena 30K **Utility**
  - iOS: App Store > 'Sena 30K Utility'





## 3.2.2 Sena Device Manager

The **Sena Device Manager** allows you to upgrade the firmware and configure its settings directly from your PC or Apple computer. Download the Sena Device Manager from sena.com.





## Button **Functions**

3.3 Powering On and Off Press and hold the Jog Dial and Phone Button at

the same time to turn the headset on or off.

**Downloadable Sena Software** 

**Powering On** 

**Powering On** and Off



**POWER** 

ON







Charging

"Preparing headset"

Checking the **Battery Level** 

> Volume **Adjustment**

"Hello"

Configuration

Menu

**Powering Off** 



**OFF** 





Note: If the Voice Command setting is disabled, the "Hello" voice prompt will be heard instantly after powering on the headset. Please refer to

Section 12: "Voice Command" for more details.





# 3.4 Charging

**Button** Functions

**Charging the Headset** 

Downloadable Sena Software

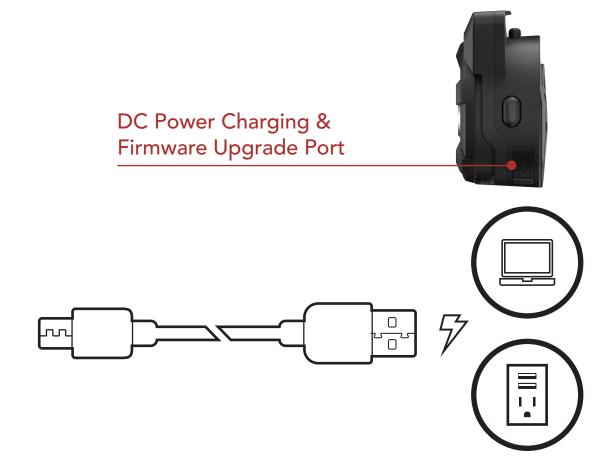
Powering On and Off

Charging

Checking the Battery Level

Volume Adjustment

Configuration Menu



The headset will be fully charged in about 1.5 hours. (The charging time may vary depending on the charging method.)

#### Note:

- The headset includes a **Fast Charging** feature which allows it to charge quickly over a short period of time. For example, a user can get 5 hours of talk time after charging the headset for 20 minutes.
- 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 that Sena accepts.
- The headset is compatible with 5 V input USB-charged devices only.





# 3.5 Checking the Battery Level

Instruction is for when powering the headset on.

#### **Visual Method**

**LOW** 



Downloadable Sena Software

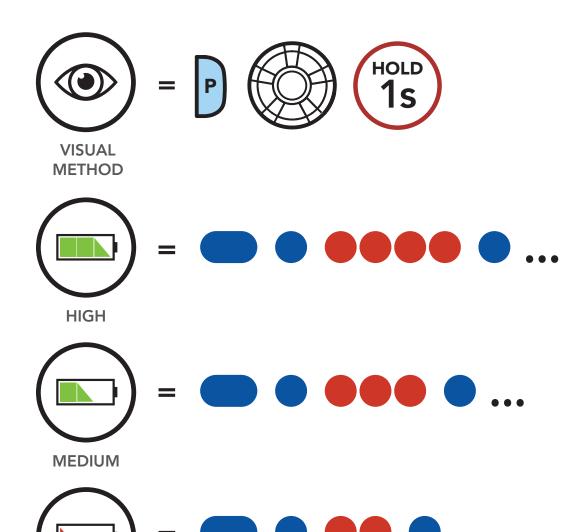
Powering On and Off

Charging

**Checking the Battery Level** 

Volume Adjustment

Configuration Menu







## **Button Functions**

**Downloadable Sena Software** 

**Powering On** and Off

Charging

Checking the **Battery Level** 

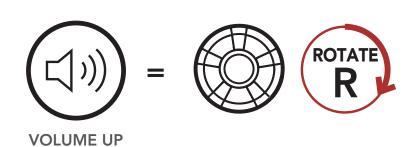
Volume Adjustment

Configuration Menu

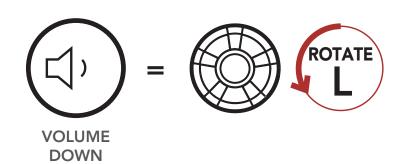
# 3.6 Volume Adjustment

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**







# **Button** Functions

Downloadable Sena Software

Powering On and Off

Charging

**Checking the Battery Level** 

Volume Adjustment

Configuration Menu

# 3.7 Configuration Menu

The headset can be configured by following a series of voice prompts. Further details about each of these settings will be explained on the following pages.

1. To access the **Configuration Menu**, press and hold the **Jog Dial** for **10 seconds** until you hear the voice prompt, **"Configuration menu."** 

## **Accessing the Configuration Menu**





CONFIG. MENU



"Configuration menu"





2. Rotate the **Jog Dial** clockwise or counterclockwise to navigate between the menus. You will hear voice prompts for each menu item. The list of functions is shown in the "Headset Configuration Menu" on page 28.

## Navigating Forward through the Menu







and Off

**Powering On** 

**Downloadable** 

**Sena Software** 

Charging

Button

**Functions** 

Checking the **Battery Level** 

> Volume Adjustment

Configuration Menu



**FORWARD** 

"[Menu prompt]"

## Navigating Backward through the Menu





**NAVIGATE BACKWARD** 

"[Menu prompt]"





3. You can enable the feature or execute the command by tapping the **Phone Button**.

## **Execute Menu Options**







**Button Functions** 

**Downloadable Sena Software** 

**Powering On** and Off

Charging

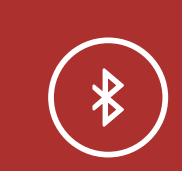
Checking the **Battery Level** 

Volume **Adjustment** 

Configuration Menu

## **Headset Configuration Menu**

Rotate the Jog Dial clockwise or counterclockwise	Tap the Phone Button
Delete All Pairings	Execute
Remote Control Pairing	Execute
Universal Intercom Pairing	Execute
Exit Configuration	Execute





**Mobile Phone** 

Additional Mobile Phones, MP3 Player or Sena SR10 **Two-Way Radio Adapter** 

Advanced **Selective** Pairing: Hands-Free or **A2DP Stereo** 

**GPS Pairing** 

When using the headset with other Bluetooth devices for the first time, they'll need to be "paired." This enables them to recognize and communicate with one another whenever they're 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 Sena headsets.

Pairs with up to three Sena Headsets







Also pairs with:



Mobile **Phone** 



MP3 **Player** 



**GPS Devices** 



Sena **SR10** 

Note: Bluetooth Specifications: Bluetooth 2.4 GHz ~ 2.48 GHz / max output power 0.097mW





#### **Mobile Phone**

**Additional** Mobile Phones, MP3 Player or Sena SR10 **Two-Way Radio Adapter** 

Advanced **Selective** Pairing: Hands-Free or **A2DP Stereo** 

**GPS Pairing** 

#### **Mobile Phone** 4.1

There are two ways to pair the phone.

## 4.1.1 Pairing When the 30K is Turned Off

1. Press and hold the **Phone Button** and **Jog** Dial for 10 seconds when the 30K is turned off.

## **Mobile Phone Pairing**









**START PHONE PAIRING** 



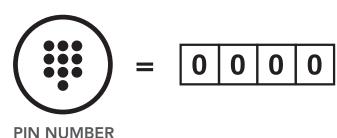
"Phone pairing"



**LED STATUS** 

Alternating blue and red flashing lights indicate device is now discoverable.

- 2. With your mobile phone in Bluetoothpairing mode, select the headset in the list of devices detected.
- 3. If your mobile phone asks for a PIN, enter 0000.







#### **Mobile Phone**

Additional Mobile Phones, MP3 Player or Sena SR10 **Two-Way Radio Adapter** 

**Advanced Selective** Pairing: Hands-Free or **A2DP Stereo** 

**GPS Pairing** 

## 4.1.2 Pairing When the 30K is Turned On

1. Press and hold the **Phone Button** for 5 seconds when the 30K is turned on.

### **Mobile Phone Pairing**





**START PHONE PAIRING** 



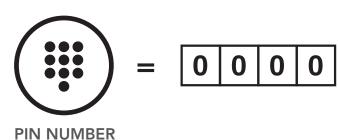
"Phone pairing"

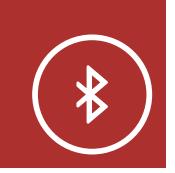


**LED STATUS** 

Alternating blue and red flashing lights indicate device is now discoverable.

- 2. With your mobile phone in Bluetoothpairing mode, select the headset in the list of devices detected.
- 3. If your mobile phone asks for a PIN, enter 0000.







**Mobile Phone** 

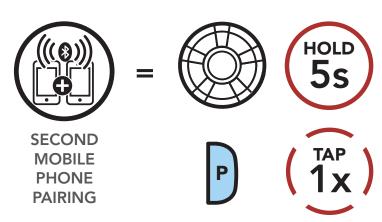
Additional Mobile Phones, MP3 Player or Sena SR10 Two-Way Radio Adapter

Advanced Selective Pairing: Hands-Free or A2DP Stereo

**GPS Pairing** 

- 4.2 Additional Mobile Phones, MP3
  Player or Sena SR10 Two-Way Radio
  Adapter
  - 1. Execute **Second Mobile Phone Pairing** by holding down the **Jog Dial** for **5 seconds**. Tap the **Phone Button** once within **2 seconds**.

## **Second Mobile Phone Pairing**

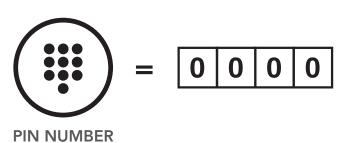


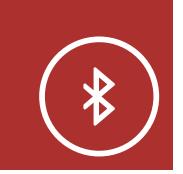


"Second mobile phone pairing"



- 2. With your mobile phone in Bluetooth-pairing mode, select the headset in the list of devices detected.
- 3. If your mobile phone asks for a PIN, enter 0000.







**Mobile Phone** 

**Additional** Mobile Phones, MP3 Player or Sena SR10 **Two-Way Radio Adapter** 

Advanced **Selective** Pairing: Hands-Free or **A2DP Stereo** 

**GPS Pairing** 

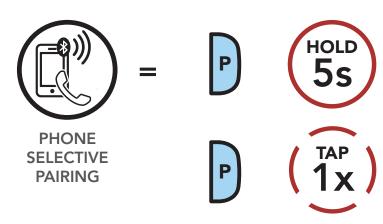
## 4.3 Advanced Selective Pairing: Hands-Free or A2DP Stereo

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. Execute **Phone Selective Pairing** by holding down the **Phone Button** for **5** seconds. Tap the Phone Button once within 2 seconds.

#### **Phone Selective Pairing**

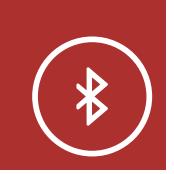




"Phone selective pairing"



Blue flashing lights indicates device is now discoverable.





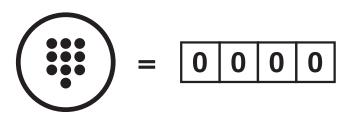
**Mobile Phone** 

Additional Mobile Phones, MP3 Player or Sena SR10 **Two-Way Radio Adapter** 

**Advanced Selective** Pairing: Hands-Free or **A2DP Stereo** 

**GPS Pairing** 

- 2. With your mobile phone in Bluetoothpairing mode, select the headset in the list of devices detected.
- 3. If your mobile phone asks for a PIN, enter 0000.

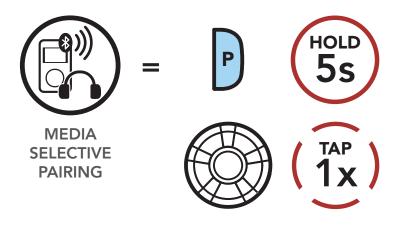


**PIN NUMBER** 

## 4.3.2 Media Selective Pairing - A2DP Profile

1. Execute **Media Selective Pairing** by holding down the **Phone Button** for **5** seconds. Tap the Jog Dial once within 2 seconds.

### **Media Selective Pairing**

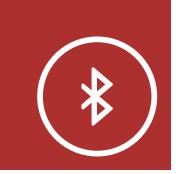




"Media selective pairing"



Red flashing lights indicate device is now discoverable.





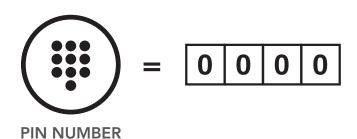
**Mobile Phone** 

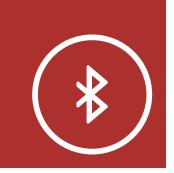
**Additional** Mobile Phones, MP3 Player or Sena SR10 **Two-Way Radio** Adapter

**Advanced Selective** Pairing: Hands-Free or **A2DP Stereo** 

**GPS Pairing** 

- 2. With your mobile phone in Bluetoothpairing mode, select the headset in the list of devices detected.
- 3. If your mobile phone asks for a PIN, enter 0000.







## **Mobile Phone**

**Additional** Mobile Phones, MP3 Player or Sena SR10 **Two-Way Radio Adapter** 

Advanced **Selective** Pairing: Hands-Free or **A2DP Stereo** 

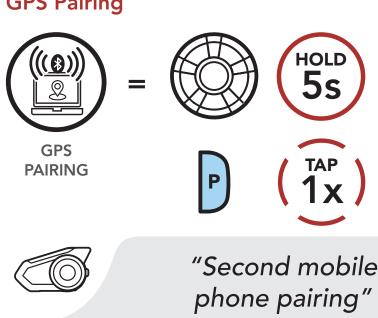
**GPS Pairing** 

## 4.4 GPS Pairing

1. Execute GPS Pairing by holding down the Jog Dial for 5 seconds. Within 2 seconds, tap the Phone Button once to hear the voice prompt, "Second mobile phone pairing". Again within 2 seconds, tap the Phone Button to hear the voice prompt, "GPS pairing".

#### **GPS Pairing**

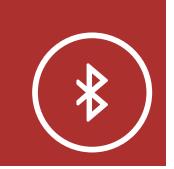
**LED STATUS** 











# 4. PAIRING THE **HEADSET WITH** OTHER BLUETOOTH **DEVICES**



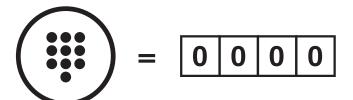
**Mobile Phone** 

**Additional** Mobile Phones, MP3 Player or Sena SR10 **Two-Way Radio Adapter** 

Advanced **Selective** Pairing: Hands-Free or **A2DP Stereo** 

**GPS Pairing** 

- 2. With your Bluetooth device on the GPS navigation screen, select the headset in the list of devices detected.
- 3. If your Bluetooth device asks for a PIN, enter 0000.



**PIN NUMBER** 

Note: If you pair your GPS device via GPS Pairing, its instruction will not interrupt your Mesh Intercom conversations, but overlay with them. Bluetooth intercom conversations will be interrupted by GPS instructions.





#### 5.1 Making and Answering Calls

Making and **Answering Calls** 

**Speed Dialing** 

**VOX Phone** 

**Answer a Call** 





or





**End a Call** 





or





Reject a Call





Make a Call with Voice Dialer





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





## Making and **Answering** Calls

**Speed Dialing** 

**VOX Phone** 

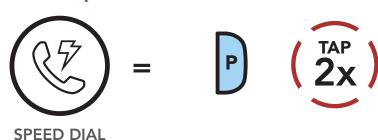
## 5.2 Speed Dialing

**5.2.1 Assigning Speed Dial Presets** Speed Dial Presets could be assigned in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

## **5.2.2 Using Speed Dial Presets**

1. Tap the **Phone Button** twice to enter into the Speed Dial menu. You will hear the voice prompt, "Speed dial."

### **Enter Speed Dial Mode**

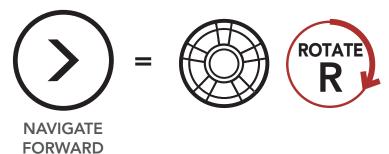




"Speed dial"

2. Rotate the **Jog Dial** clockwise or counterclockwise to navigate between the **Speed Dial Presets.** 

### **Navigate Forward through Speed Dial Preset Numbers**



## **Navigate Backward through Speed Dial Preset Numbers**







Making and **Answering Calls** 

**Speed Dialing** 

**VOX Phone** 

3. To call one of your Speed Dial Presets, tap the Phone Button when you hear the prompt, "Speed dial (#)."

Call a Speed Dial Preset Number







**SPEED DIAL** 



"Speed dial (#)"

4. To redial the last number called, tap the Phone Button when you hear the prompt, "Last number redial."

#### **Redial Last Number**







**REDIAL** 



"Last number redial"





Making and **Answering** Calls

**Speed Dialing** 

**VOX Phone** 

## 5.3 VOX Phone (Default: Enable)

A **VOX Phone** setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

With **VOX Phone** enabled, you can answer incoming calls by simply saying a word loudly enough, unless you are connected to intercom. For example, when you hear a series of beeps for an incoming call, you can answer the phone by saying "Hello" or any other word loudly. If this mode is disabled, you have to tap the **Jog Dial** or the Phone Button to answer an incoming call.





#### 6.1 Playing Music with Bluetooth Devices

**Playing** Music with Bluetooth **Devices** 

1. To play or pause music, press and hold the **Jog** Dial for 1 second until you hear a double beep.

Play/Pause

**Playing Music** with non-Bluetooth **Devices** 



**PLAY/PAUSE** 





**Music Sharing** 

**Audio Boost** 

**Smart Volume** Control

"[Beep, Beep]"

2. To adjust the volume, rotate the Jog Dial clockwise or counterclockwise.

#### **Volume Up**



**VOLUME** UP





#### **Volume Down**



**VOLUME DOWN** 









3. To track forward or back, rotate while pressing the Jog Dial clockwise or counterclockwise.

**Playing** Music with Bluetooth **Devices** 

**Playing Music** with non-Bluetooth **Devices** 

**Music Sharing** 

**Audio Boost** 

**Smart Volume** Control

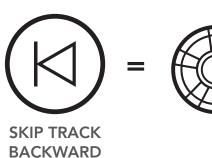




**Track Backward** 

**FORWARD** 

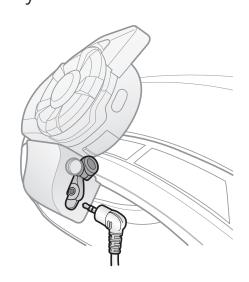
**Track Forward** 





## Playing Music with non-Bluetooth **Devices**

You can play music that is stored on non-Bluetooth devices such as MP3 players. To connect your device to the headset, plug the enclosed 2.5 to 3.5 mm audio cable into the AUX ports, both on the headset and on your device.







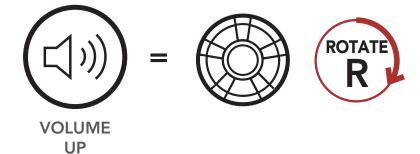
**Playing** Music with Bluetooth **Devices**  To adjust the volume, rotate the Jog Dial clockwise or counterclockwise. You can also adjust the volume directly on the connected device.

**Playing Music** with non-Bluetooth Volume Up

**Music Sharing** 

**Devices** 

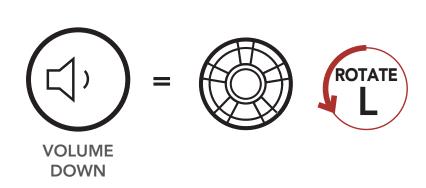
Control



**Audio Boost** 

Volume Down

Smart Volume



## 6.3 Music Sharing

You can start sharing music with one intercom friend using Bluetooth stereo music during a twoway intercom conversation and one participant of a Mesh. Both you and your intercom friend can remotely control music playback such as track forward and track back. 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. The Creator will send a request message to a headset connected during Mesh Intercom and will share music with the first participant that accepts the request.





**Bluetooth Intercom Music Sharing** 

**Playing** Music with **Bluetooth** 









**Playing Music** with non-**Bluetooth Devices** 



**SHARE** 

**MUSIC** 

"Music sharing on"

**Music Sharing** 

**Audio Boost** 

**Smart Volume** Control

Mesh Intercom Music Sharing [Creator]









**MUSIC** 

"Music sharing on"

[Participant]



"Would you like to accept music sharing?"







**ACCEPT** 











**Playing** Music with Bluetooth **Devices** 

**Playing Music** with non-Bluetooth **Devices** 

Music Sharing

**Audio Boost** 

Smart Volume Control 6.4 Audio Boost (Default: Disable) An **Audio Boost** setting can be found in the

settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

Enabling Audio Boost increases the maximum volume limit. Disabling Audio Boost reduces the maximum volume limit while delivering more balanced sound.

**Smart Volume Control** 6.5 (Default: Disable)

A Smart Volume Control setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

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.





What is Mesh Intercom?

Starting Mesh Intercom

Using the Mesh in Open Mesh

Using Mesh in Group Mesh

**Reset Mesh** 

Toggling Open Mesh/Group Mesh

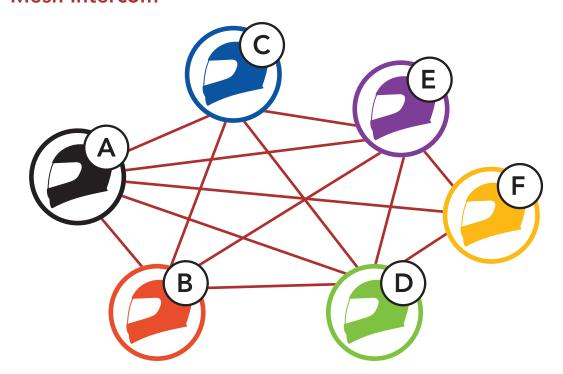
> Enable/ Disable Mic (Default: Enable)

## 7.1 What is Mesh Intercom?

Mesh Intercom<sup>™</sup> 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 riders to connect and communicate with nearby users without the need to pair each headset together.

The working distance between each **30K** 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<sup>TM</sup>** or the same private group in **Group Mesh<sup>TM</sup>**, six users can talk at the same time and enjoy the optimal quality for their conversation.

#### Mesh Intercom







What is Mesh Intercom?

**Starting Mesh** Intercom

Using the Mesh in Open Mesh

Using Mesh in **Group Mesh** 

**Reset Mesh** 

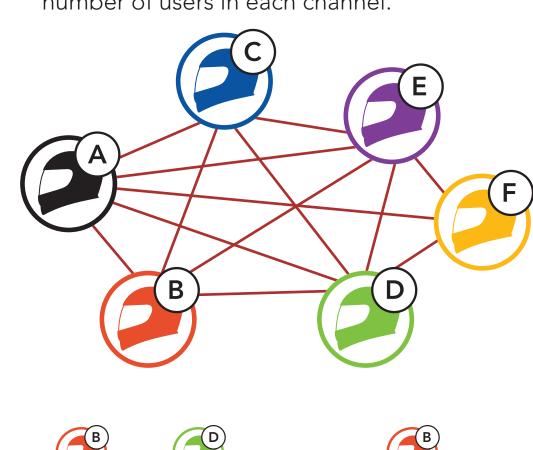
**Toggling Open** Mesh/Group Mesh

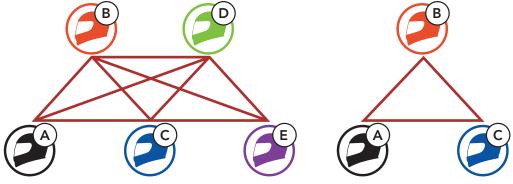
> Enable/ **Disable Mic** (Default: **Enable**)

#### **Open Mesh** 7.1.1

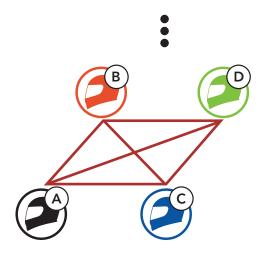
Open Mesh is an open group intercom function. Users can freely communicate with each other in the same Open Mesh channel and select which channel (1-9) to use through the headset.

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





**Channel 1** Channel 2



Channel 9





What is Mesh Intercom?

**Starting Mesh** Intercom

Using the Mesh in Open Mesh

**Using Mesh in Group Mesh** 

Reset Mesh

**Toggling Open** Mesh/Group Mesh

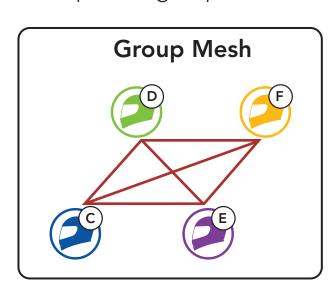
> Enable/ Disable Mic (Default: **Enable**)

## 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.









## What is Mesh Intercom?

## **Starting Mesh** Intercom

## Using the Mesh in Open Mesh

## Using Mesh in **Group Mesh**

#### Reset Mesh

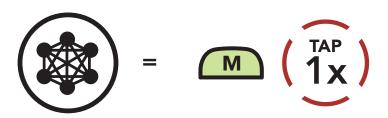
## **Toggling Open** Mesh/Group Mesh

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

## 7.2 Starting Mesh Intercom

When **Mesh Intercom** is enabled, the **30K** will automatically connect to nearby 30K users and allow them to talk to each other by pressing the Mesh Intercom Button.

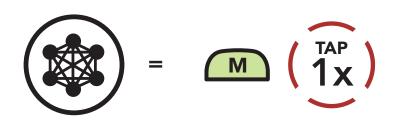
#### Mesh Intercom On





"Mesh intercom on"

#### Mesh Intercom Off





"Mesh intercom off"

Note: Open Mesh and Group Mesh cannot communicate with the previous modes Public Mode and Private Mode. In case of no communication, the headset should be upgraded to the latest firmware.

## Using the Mesh in Open Mesh

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





What is Mesh Intercom?

**Starting Mesh** Intercom

Using the Mesh in Open Mesh

**Using Mesh in Group Mesh** 

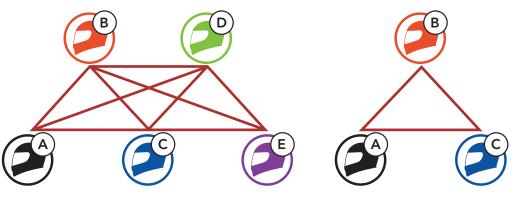
**Reset Mesh** 

**Toggling Open** Mesh/Group Mesh

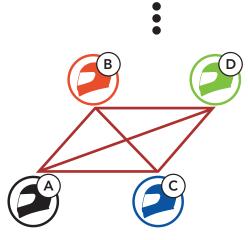
> Enable/ **Disable Mic** (Default: **Enable**)

7.3.1 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.

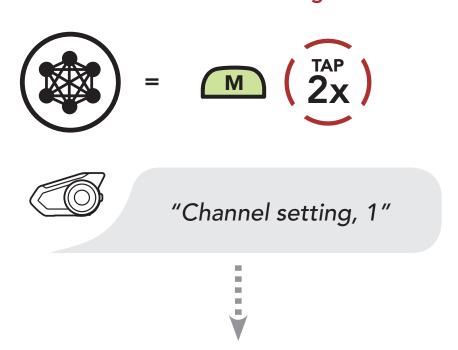


**Channel 1** Channel 2



**Channel 9** 

**Enter into the Channel Setting** 







What is Mesh Intercom?

**Starting Mesh** Intercom

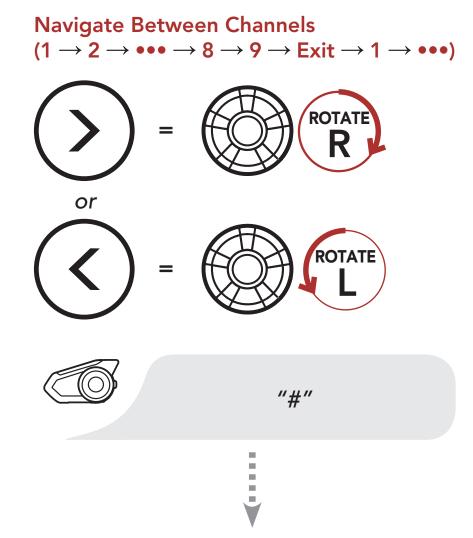
Using the Mesh in Open Mesh

**Using Mesh in Group Mesh** 

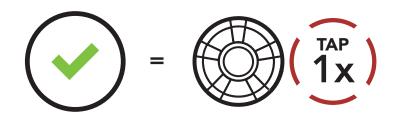
Reset Mesh

**Toggling Open** Mesh/Group Mesh

> Enable/ **Disable Mic** (Default: **Enable**)



#### Save the Channel





"Channel is set, 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.
- If you want to cancel during **Channel** Setting, tap the Phone Button.
- The channel will be remembered even if you turn off the 30K.
- You can also change the Channel Setting of the headset through the Sena Device Manager or the Sena 30K Utility App.



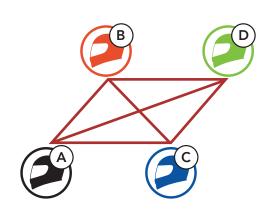


#### 7.4 Using Mesh in Group Mesh

7.4.1 Creating a Group Mesh

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

**Open Mesh** 



1. Enter into Mesh Grouping to create a Group Mesh.



What is Mesh Intercom?

**Starting Mesh** Intercom

Using the Mesh in Open Mesh

**Using Mesh in Group Mesh** 

**Reset Mesh** 

**Toggling Open** Mesh/Group Mesh

> Enable/ **Disable Mic** (Default: **Enable**)





2. The headsets complete **Mesh Grouping** and automatically switch from Open Mesh to Group Mesh.



"Group Mesh"

What is Mesh Intercom?

**Starting Mesh** Intercom

Using the Mesh in Open Mesh

**Using Mesh in Group Mesh** 

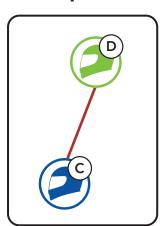
Reset Mesh

**Toggling Open** Mesh/Group Mesh

> Enable/ Disable Mic (Default: **Enable**)







#### 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 or Phone Button.

## 7.4.2 Joining an Existing Group Mesh

One of the members in an Existing Group Mesh can allow new members in Open Mesh to join the Existing Group Mesh.

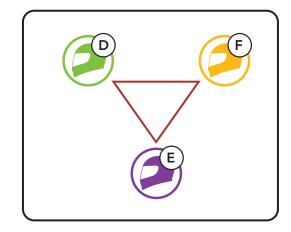
**New Members** 

**Existing Group Mesh** and Current Members













What is Mesh Intercom?

**Starting Mesh** Intercom

Using the Mesh in Open Mesh

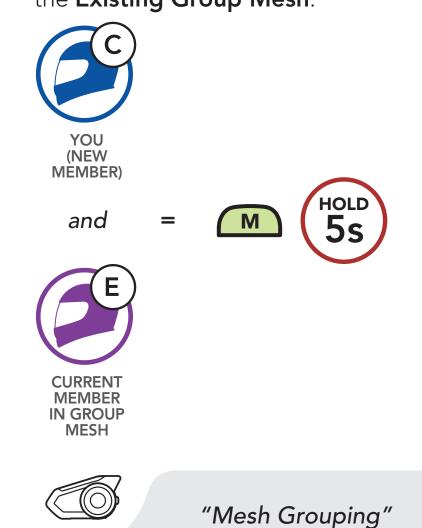
Using Mesh in **Group Mesh** 

Reset Mesh

**Toggling Open** Mesh/Group Mesh

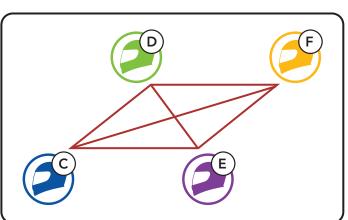
> Enable/ **Disable Mic** (Default: **Enable**)

1. One of the current members and a new member enter into Mesh Grouping to join the Existing Group Mesh.



2. The headsets complete **Mesh Grouping**. The new members will hear a voice prompt as their headsets automatically switch from Open Mesh to Group Mesh.









What is Mesh Intercom?

**Starting Mesh Intercom** 

Using the Mesh in Open Mesh

**Using Mesh in Group Mesh** 

Reset Mesh

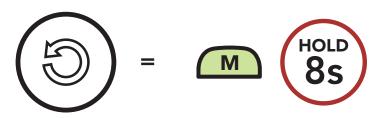
**Toggling Open** Mesh/Group Mesh

> Enable/ Disable Mic (Default: **Enable**)

**Note:** If the **Mesh Grouping** is not completed within 30 seconds, the current members will hear a low tone double beep and the new member will hear a voice prompt, "Grouping failed".

#### 7.5 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).

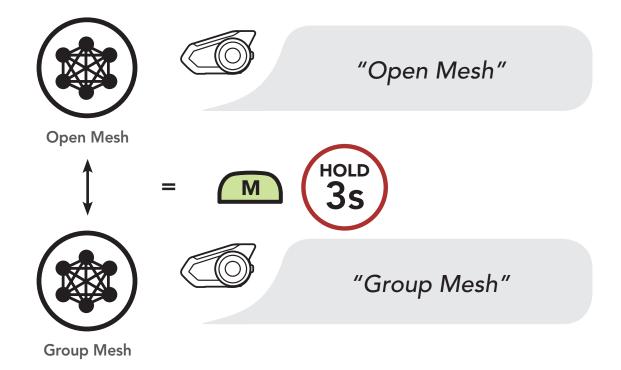


#### Toggling Open Mesh/Group Mesh 7.6

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







What is Mesh Intercom?

**Starting Mesh** Intercom

Using the Mesh in Open Mesh

Using Mesh in **Group Mesh** 

**Reset Mesh** 

**Toggling Open** Mesh/Group Mesh

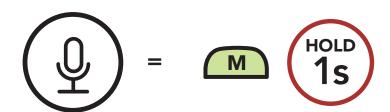
> Enable/ **Disable Mic** (Default: **Enable**)

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".

#### 7.7 **Enable/Disable Mic (Default: Enable)**

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

**Enable/Disable the Microphone** 







#### 8.1 **Intercom Pairing**

Intercom **Pairing** 

Two-Way Intercom

**Multi-Way** Intercom

**Three-Way** Conference **Phone Call** with Intercom **Users** 

> Group Intercom

Mesh Intercom Conference with Bluetooth Intercom **Participant** 

> Universal Intercom

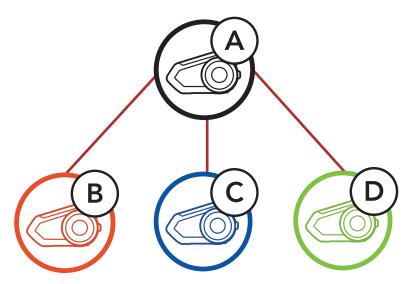
**VOX Intercom** 

Intercom VOX **Sensitivity** 

**HD Intercom** 

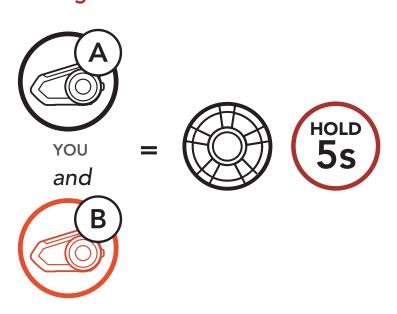
**Advanced Noise Control™**  Up to three people can communicate via intercom with the headset simply by pairing their headsets.

Pairing with Intercom Friends



1. Press and hold the **Jog Dials** of two headsets for 5 seconds until you hear the voice prompt, "Intercom pairing".

Pairing Headset A with Headset B





"Intercom pairing"



Red flashing lights indicate device is now discoverable.





2. Tap the Jog Dial on either headset and wait until the LEDs of both turn blue.

Intercom **Pairing** 

**Two-Way** Intercom

**Multi-Way** Intercom

**Three-Way** Conference **Phone Call** with Intercom **Users** 

> Group Intercom

Mesh Intercom Conference with **Bluetooth** Intercom **Participant** 

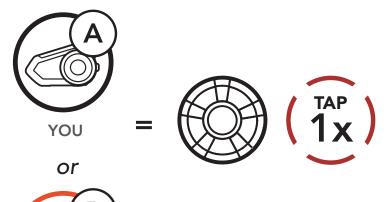
> Universal Intercom

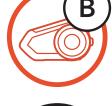
**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

Advanced Noise **Control™** 







**STATUS** 

Flashing blue LED confirms intercoms are paired.



Intercom

Intercom

**Pairing** 



# 8. BLUETOOTH **INTERCOM SETUP**

3. Repeat steps 1 and 2 to pair with **Intercom** Friends C & D.

Last-Come, First-Served







Intercom Friend 1

**Three-Way** Conference **Phone Call** with Intercom **Users** 

> Group Intercom

Mesh Intercom Conference with Bluetooth Intercom **Participant** 

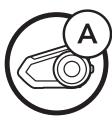
> Universal Intercom

**VOX Intercom** 

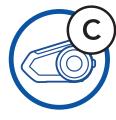
Intercom VOX Sensitivity

**HD Intercom** 

Advanced Noise **Control™** 



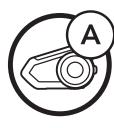
YOU



Intercom Friend 1



Intercom Friend 2



YOU



Intercom Friend 1



Intercom Friend 2



Intercom Friend 3



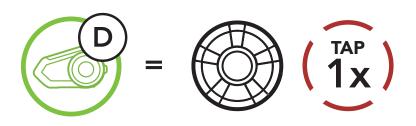


## 8.2 Two-Way Intercom

You can start or end an intercom conversation with an Intercom Friend by tapping the Jog Dial.

1. Tap once for Intercom Friend 1.

Start/End with Intercom Friend 1



2. Tap twice for Intercom Friend 2.

Start/End with Intercom Friend 2



3. Tap three times for Intercom Friend 3.

Start/End with Intercom Friend 3



Intercom **Pairing** 

**Two-Way** Intercom

**Multi-Way** Intercom

**Three-Way** Conference **Phone Call** with Intercom **Users** 

> Group Intercom

Mesh **Intercom** Conference with Bluetooth Intercom **Participant** 

> Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD** Intercom

Advanced Noise **Control™** 





## 8.3 Multi-Way Intercom

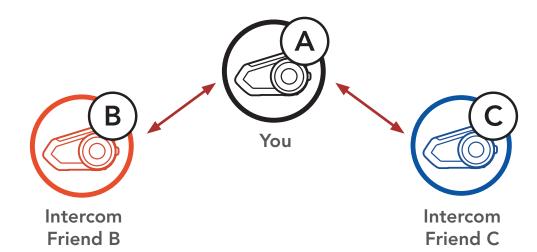
Multi-Way Intercom enables conference-call-style conversations with up to three Intercom Friends at the same time. While Multi-Way Intercom is in progress, mobile phone connection is temporarily disconnected. However, as soon as Multi-Way **Intercom** terminates, the mobile phone connection will be reestablished.

## 8.3.1 Starting a Three-Way Intercom Conference

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

1. Pair your headset (A) with those of two other Intercom Friends (B & C). Please refer to Section 8.1: "Intercom Pairing" for pairing instructions.

Pair with Intercom Friends B & C



Intercom **Pairing** 

**Two-Way** Intercom

Multi-Way Intercom

Three-Way Conference Phone Call with Intercom **Users** 

> Group Intercom

Mesh Intercom Conference with Bluetooth Intercom **Participant** 

> Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

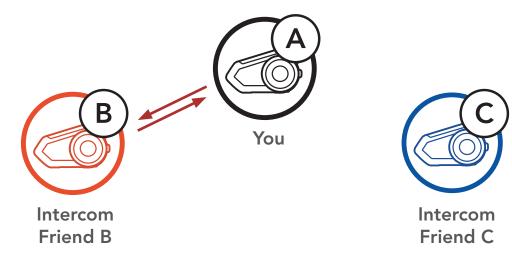
Advanced **Noise** Control<sup>TM</sup>





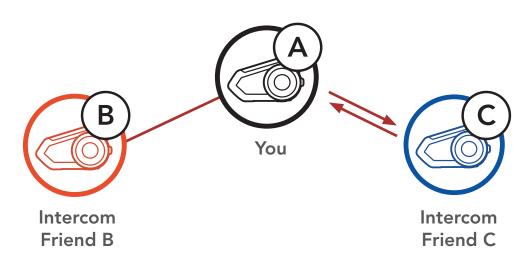
2. Start an intercom conversation with one of the two friends in your intercom group. For example, you (A) may start an intercom conversation with the Intercom Friend (B). Or, Intercom Friend (B) may start an intercom call with you (A).

Starting an Intercom Conversation with Intercom Friend B



3. Then, you (A) can call the second Intercom Friend (C), or the second Intercom Friend (C) may join the intercom by making an intercom call to you (A).

Starting an Intercom Conversation with Intercom Friend C



Intercom **Pairing** 

Two-Way Intercom

Multi-Way Intercom

Three-Way Conference Phone Call with Intercom **Users** 

> Group Intercom

Mesh Intercom Conference with Bluetooth Intercom **Participant** 

> Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

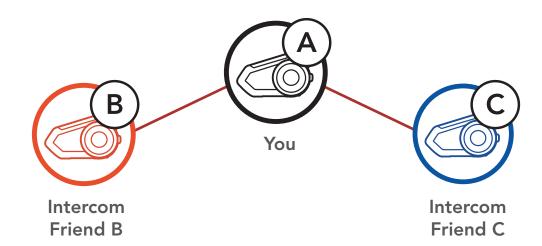
Advanced **Noise** Control<sup>TM</sup>





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

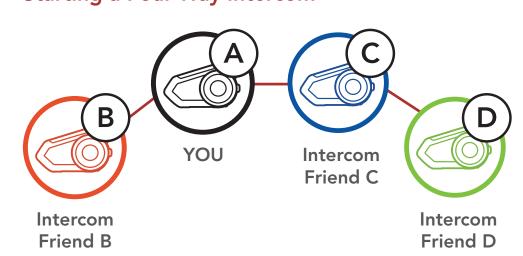
Three-Way Intercom



## 8.3.2 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).

Starting a Four-Way Intercom



## Intercom **Pairing**

**Two-Way** Intercom

Multi-Way Intercom

**Three-Way** Conference Phone Call with Intercom **Users** 

> Group Intercom

Mesh **Intercom** Conference with Bluetooth Intercom **Participant** 

> Universal Intercom

**VOX Intercom** 

Intercom VOX **Sensitivity** 

**HD Intercom** 

Advanced Noise Control<sup>TM</sup>





## Intercom Pairing

Two-Way Intercom

Multi-Way Intercom

Three-Way
Conference
Phone Call
with Intercom
Users

Group Intercom

Mesh
Intercom
Conference
with
Bluetooth
Intercom
Participant

Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

Advanced Noise Control™

## 8.3.3 Ending Multi-Way Intercom

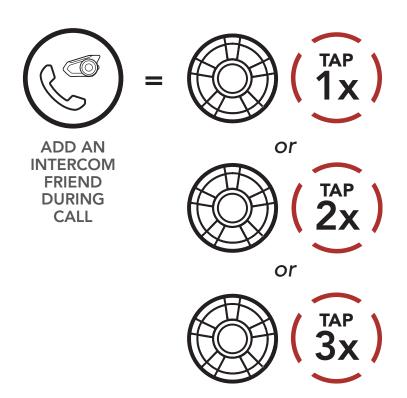
- 1. Press the **Jog Dial** for **1 second** until you hear a beep to terminate all intercom connections.
- Tap the Jog Dial to disconnect from your first Intercom Friend. Double tap the Jog Dial to disconnect from your second Intercom Friend.

# 8.4 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

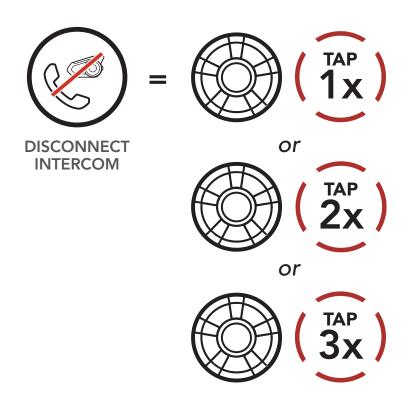






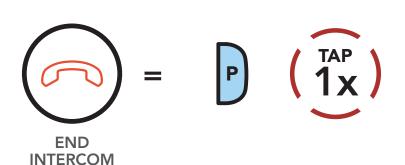
2. To disconnect the intercom during a conference phone call, tap the Jog Dial once, twice or three times.

Disconnect 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.

Intercom **Pairing** 

**Two-Way** Intercom

Multi-Way Intercom

Three-Way Conference **Phone Call** with Intercom **Users** 

> Group Intercom

Mesh Intercom Conference with **Bluetooth** Intercom **Participant** 

> Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

Advanced Noise **Control™** 





## 8.5 Group Intercom

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

- 1. Go through intercom pairing with up to three headsets you want to have **Group Intercom** with.
- 2. Press the **Ambient Mode Button** for **1 second** to begin **Group Intercom**. The LED will flash green and you will hear a voice prompt, "Group intercom".

**Start Group Intercom** 

Intercom **Pairing** 

Two-Way Intercom

Multi-Way Intercom

Three-Way Conference Phone Call with Intercom **Users** 

> Group Intercom

Mesh Intercom Conference with Bluetooth Intercom **Participant** 

> Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

Advanced **Noise** Control™





**START GROUP INTERCOM** 



"Group intercom"

3. When all of the headsets are connected together, everyone will hear the voice prompt, "Group intercom connected."



"Group intercom connected"



Green LED Flashing





4. To terminate **Group Intercom**, press the **Ambient** Mode Button for 1 second during Group Intercom. You will hear a voice prompt, "Group intercom terminated".

**End Group Intercom** 



Two-Way Intercom

Multi-Way Intercom

Three-Way Conference **Phone Call** with Intercom **Users** 

> Group Intercom

Mesh Intercom Conference with Bluetooth Intercom **Participant** 

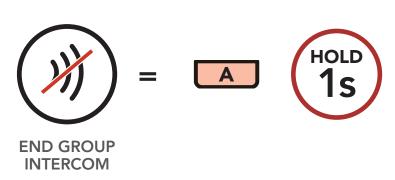
> Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD** Intercom

**Advanced Noise** Control<sup>TM</sup>





"Group intercom terminated"

#### Mesh Intercom Conference with 8.6 **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 Sena headsets via Bluetooth intercom connection and use **Mesh Intercom** between 30K 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. Please refer to Section 8.2: "Two-Way Intercom" for more details. Or, you can use "Group Intercom" to include all of your Bluetooth intercom friends in the Mesh. Please refer to Section 8.5: "Group **Intercom"** for more details.





## Intercom **Pairing**

Two-Way Intercom

**Multi-Way** Intercom

**Three-Way** Conference **Phone Call** with Intercom **Users** 

> Group Intercom

Mesh Intercom Conference with Bluetooth Intercom **Participant** 

> Universal Intercom

**VOX Intercom** 

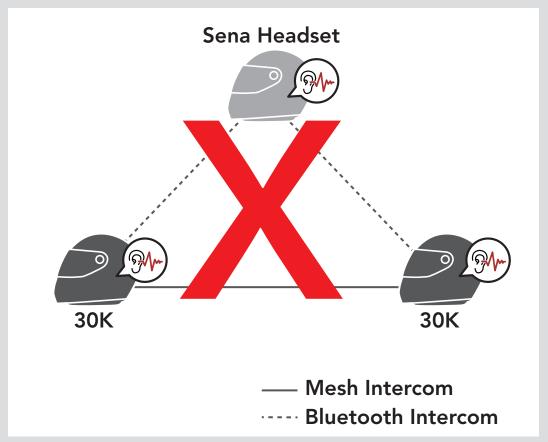
Intercom VOX Sensitivity

**HD Intercom** 

Advanced Noise **Control™** 

#### Note:

- The audio quality will be reduced if a 30K 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. Sena recommends that a closed loop not be created.







Intercom **Pairing** 

Two-Way Intercom

Multi-Way Intercom

Three-Way Conference **Phone Call** with Intercom **Users** 

> Group Intercom

Mesh Intercom Conference with Bluetooth Intercom **Participant** 

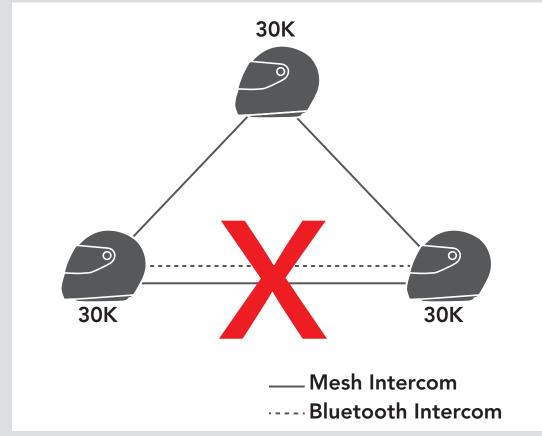
> Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

Advanced Noise Control<sup>TM</sup> • If Bluetooth intercom is accidentally turned on during **Mesh Intercom** communication between 30K 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.



## 8.7 Universal Intercom

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

1. Execute **Universal Intercom** in the **Headset** Configuration Menu.





Access Universal Intercom in the Configuration Menu

Intercom Pairing

Two-Way Intercom

Multi-Way Intercom

Three-Way Conference Phone Call with Intercom Users

> Group Intercom

Mesh
Intercom
Conference
with
Bluetooth
Intercom
Participant

Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

Advanced Noise Control™







ACCESS CONFIG. MENU



"Configuration menu"



NAVIGATE FORWARD







"Universal intercom pairing"



**EXECUTE** 

=





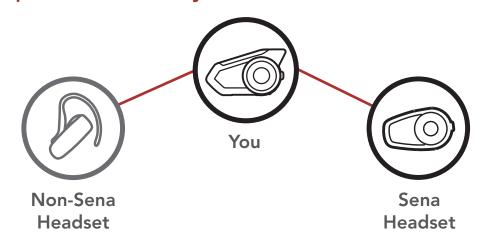
2. Put the non-Sena Bluetooth headset in Pairing Mode. The headset will automatically pair with a non-Sena Bluetooth headset.



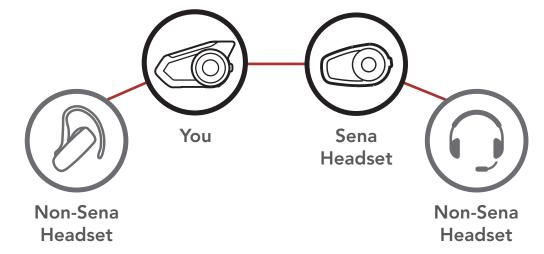


3. You can have **Two-Way Intercom** or **Multi-**Way Intercom communication with up to three Intercom Friends using non-Sena headsets by following the procedures described below.

**Example of a Three-Way Universal Intercom** 



### **Example of a Four-Way Universal Intercom**



Intercom **Pairing** 

**Two-Way** Intercom

Multi-Way Intercom

**Three-Way** Conference **Phone Call** with Intercom **Users** 

> Group Intercom

Mesh **Intercom** Conference with Bluetooth Intercom **Participant** 

> Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

Advanced Noise **Control™** 





# 8. BLUETOOTH INTERCOM SETUP

Intercom Pairing

Two-Way Intercom

Multi-Way Intercom

Three-Way
Conference
Phone Call
with Intercom
Users

Group Intercom

Mesh
Intercom
Conference
with
Bluetooth
Intercom
Participant

Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD** Intercom

Advanced Noise Control™

## 8.8 VOX Intercom (Default: Disable)

The **VOX Intercom** setting can be found in the settings menu, accessible through **Sena Device Manager** or **Sena 30K Utility App**.

If **VOX Intercom** 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 the intercom by voice again.





# 8. BLUETOOTH INTERCOM SETUP

Intercom Pairing

Two-Way Intercom

Multi-Way Intercom

Three-Way Conference Phone Call with Intercom Users

> Group Intercom

Mesh
Intercom
Conference
with
Bluetooth
Intercom
Participant

**Universal Intercom** 

**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

Advanced Noise Control™

# 8.9 Intercom VOX Sensitivity (Default: 3)

The Intercom VOX Sensitivity setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

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

## 8.10 HD Intercom (Default: Enable)

The **HD Intercom** setting can be found in the settings menu, accessible through **Sena Device Manager** or **Sena 30K Utility App**.

**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.

# 8.11 Advanced Noise Control™ (Default: Enable)

The Advanced Noise Control setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

If **Advanced Noise Control** is enabled, background noise is reduced during intercom conversations.

If **Advanced Noise Control** is disabled, the background noise is mixed with your voice while using the intercom.





# 9. AUDIO MULTITASKING

Audio Multitasking **Settings** 

Intercom-**Audio Overlay** Sensitivity

**Audio Overlay** Volume Management 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 Audio Multitasking feature can be configured through the Intercom-Audio Overlay Sensitivity and the Audio Overlay Volume Management settings.

#### 9.1 **Audio Multitasking Settings**

The Mesh Intercom Audio Multitasking feature is always on. The Bluetooth Intercom Audio Multitasking (Default: Disabled) setting can be found in the settings menu, accessible through the Sena Device Manager or the Sena 30K Utility App.

#### Note:

- 1. Bluetooth Intercom Audio Multitasking will be activated during two-way intercom conversations with a headset that also supports this feature.
- 2. HD Intercom will become disabled temporarily when Bluetooth Intercom Audio Multitasking is enabled.
- 3. For Bluetooth Intercom Audio Multitasking to work properly, you need to power the headset off and on. Please restart the headset.
- 4. Some GPS devices may not support this feature.





Audio Multitasking **Settings** 

Intercom-**Audio Overlay** Sensitivity

**Audio Overlay** Volume Management

# 9. AUDIO MULTITASKING

#### 9.2 **Intercom-Audio Overlay Sensitivity** (Default: 3)

The Intercom-Audio Overlay Sensitivity setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App. 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.

#### **Audio Overlay Volume Management** 9.3 (Default: Disable)

The Audio Overlay Volume Management setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App. 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 intercom conversation.





### 10.1 FM Radio On/Off

FM Radio On/Off

Seek and Save Radio Stations

Scan and Save Radio Stations

**Temporary Station Preset** 

Navigating Preset Stations

Region Selection

Radio Data System (RDS) Alternative Frequency (AF) Setting

FM Station Guide

To turn on or shut off the FM radio, press the **Phone Button** for **1 second** until you hear a double beep.

#### FM Radio On



=







ON

"FM on"

#### **FM Radio Off**



=







**FM RADIO** 

**OFF** 

"FM off"





#### FM Radio On/Off

Seek and Save Radio Stations

Scan and Save Radio Stations

**Temporary Station Preset** 

Navigating Preset Stations

Region Selection

Radio Data System (RDS) Alternative Frequency (AF) Setting

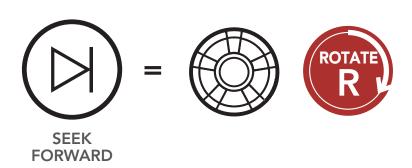
> FM Station Guide

### 10.2 Seek and Save Radio Stations

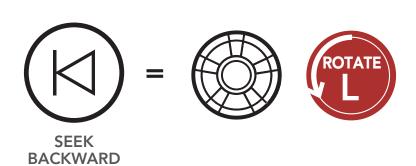
The "Seek" feature searches for radio stations.

1. Rotate while pressing the **Jog Dial** clockwise or counterclockwise to search for radio stations.

#### **Seek Stations Forward**

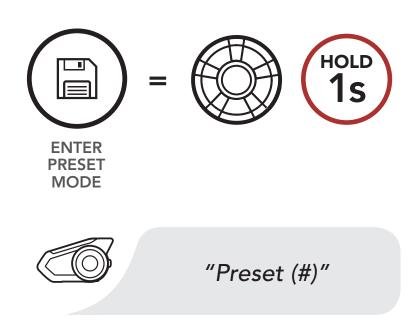


#### **Seek Stations Backward**



2. To save the current station, press and hold the **Jog Dial** for **1 seconds** until you hear the voice prompt, **"Preset (#)."** 

#### **Enter Preset Selection Mode**







3. Rotate the **Jog Dial** to navigate through the preset numbers that you want to store.

**Navigate Forward through Preset Stations** 



FM Radio

Seek and Save Radio Stations

Scan and Save Radio Stations

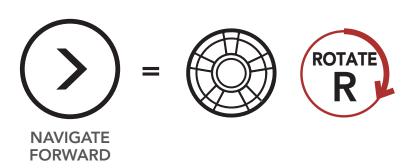
**Temporary Station Preset** 

Navigating Preset Stations

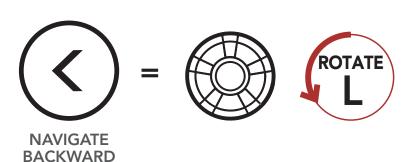
Region Selection

Radio Data System (RDS) Alternative Frequency (AF) Setting

FM Station Guide

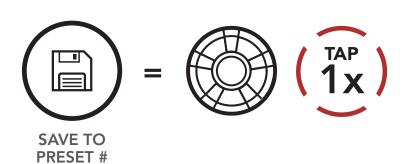


#### **Navigate Backward through Preset Stations**

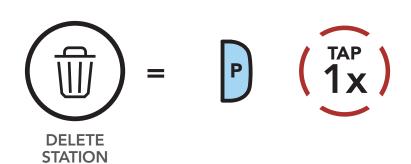


4. Tap the **Jog Dial** to save the station in the preset number you choose. Or, tap the **Phone Button** to delete the station from memory.

#### Save Station to the Preset Number



#### **Delete Station from Memory**







#### FM Radio On/Off

Seek and Save Radio **Stations** 

Scan and Save Radio **Stations** 

**Temporary Station Preset** 

> **Navigating Preset Stations**

> > Region Selection

Radio Data System (RDS) **Alternative** Frequency (AF) Setting

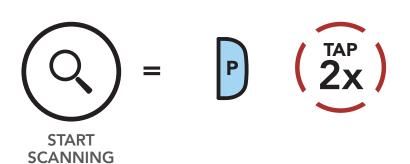
> **FM Station** Guide

### 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.

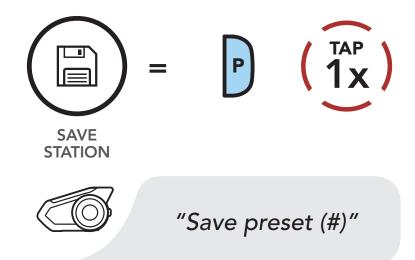
1. Double tap the **Phone Button** to scan for stations.

#### Scan and Save Radio Stations



- 2. The Sena tuner pauses at each station it finds for 8 seconds before moving to the next.
- 3. To save the current station, tap the **Phone** Button. The station will be saved as the next preset number.

#### Save the Current Station







4. To stop scanning, double tap the **Phone Button**.

FM Radio On/Off

Seek and Save Radio **Stations** 

Scan and Save Radio **Stations** 

**Temporary Station Preset** 

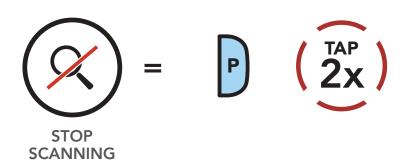
> **Navigating Preset Stations**

> > Region Selection

Radio Data System (RDS) **Alternative** Frequency (AF) Setting

> FM Station Guide

#### **Stop Scanning**

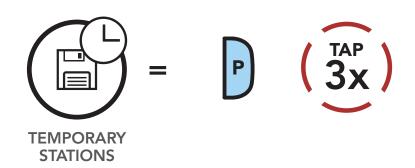


## **10.4 Temporary Station Preset**

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

1. Tap the **Phone Button** three times to automatically find and save 10 stations.

#### **Temporary Stations**



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



On/Off

Seek and

**Stations** 

Scan and

**Stations** 

Save Radio

Save Radio



# 10. USING THE FM RADIO

## 10.5 Navigating Preset Stations FM Radio

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

**Navigate through Preset Stations** 



**Temporary Station Preset** 

> **Navigating Preset Stations**

> > Region Selection

Radio Data System (RDS) **Alternative** Frequency (AF) Setting

> FM Station Guide

Note: You can use the Sena Device Manager or the **Sena 30K Utility App** to save the preset stations.

## 10.6 Region Selection

You can select the proper FM frequency range for your location from the Sena Device Manager or the **Sena 30K Utility App**. 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





FM Radio On/Off

Seek and Save Radio **Stations** 

Scan and Save Radio **Stations** 

**Temporary** Station Preset

> **Navigating Preset Stations**

> > Region Selection

Radio Data System (RDS) **Alternative** Frequency (AF) Setting

> FM Station Guide

10.7 Radio Data System (RDS) **Alternative Frequency (AF) Setting** (Default: Disable)

The **RDS** AF setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

When radio station signals get too weak for a good reception, with RDS AF enabled, the Sena radio receiver re-tunes to a station with better reception. If RDS AF is disabled, you'll have to find stronger stations manually.

## 10.8 FM Station Guide (Default: Enable)

The **Station Guide** setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

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.

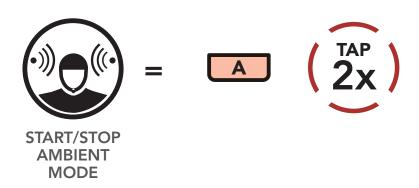




# 11. AMBIENT MODE

You can hear the ambient sound outside of your helmet by activating the Ambient Mode. To activate the Ambient Mode, press the Ambient Mode Button twice which is placed on the bottom of the clamp unit. To deactivate the Ambient Mode, press the Ambient Mode Button twice again.

#### **Ambient Mode**



Note: The Ambient Mode has higher priority than mobile phone, so you cannot listen to music, or have an intercom conversation if the Ambient Mode is activated.



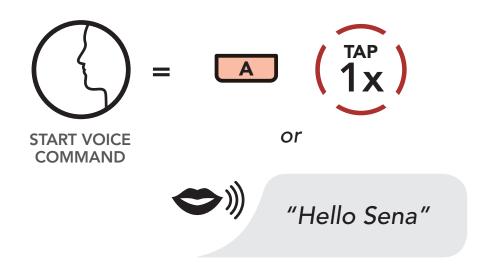


# 12. VOICE COMMAND

Voice **Command Setting** 

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. The voice command function works only with English commands.

#### **Voice Command**



Speak a voice command from the table below:

Mode Status	Function	Voice Command
Standby / Intercom	Start/End each Intercom	"Intercom [one, two, three]"
	End all intercoms	"End intercom"
	Call last intercom	"Last intercom"
	Group intercom	"Group intercom"
	Intercom pairing	"Pairing intercom"
	Cancelling operations	"Cancel"





# 12. VOICE COMMAND

Voice **Command Setting** 

Mode Status	Function	Voice Command
Standby / Music / FM Radio	Play/Pause music	"Music" or "Stereo"
	Turn on/off FM radio	"FM radio"
	Check battery	"Check battery"
	Speed dialing	"Speed dial [one, two, three]"
	Redial the last call	"Redial"
	Check connected devices	"Connected devices"
	Configuration menus	"Configuration"
Music / FM Radio	Next track (music) / next preset (FM radio)	"Next"
	Previous track (music) / previous preset (FM radio)	"Previous"
	Stop music / FM radio	"Stop"
Standby / Mesh Intercom	Mesh intercom On/Off	"Mesh intercom"
	End the Bluetooth and Mesh intercom	"End intercom"





## 12. VOICE COMMAND

Voice Command Setting

#### Note:

- Voice command performance may vary based on the environmental conditions including riding speed, helmet type and ambient noise. To improve the performance, minimize wind noise on the microphone by using a large microphone sponge and closing the visor.
- To activate the voice command during intercom conversation, tap the Ambient Mode Button once.

## 12.1 Voice Command Setting (Default: Enable)

A Voice Command setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

When **Voice Command** is enabled, you can use your voice to give a command the headset operate certain operations completely handsfree. If Voice Command is disabled, you will need to operate all of the functions using the buttons on the headset.





# 13. GENERAL SETTINGS

## 13.1 Function Priority

**Function Priority** 

**Firmware Upgrades** 

> Voice **Prompts**

Sidetone

Delete All Bluetooth **Pairing** Information

The headset prioritizes connected devices in the following order:

(highest) Ambient Mode

Mobile phone

Voice command mode

Mesh Intercom / Bluetooth Intercom

Music sharing via Bluetooth stereo

FM radio

Stereo music by audio cable

Bluetooth stereo music (lowest)

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. You can upgrade the firmware using the Sena Device Manager. Please visit sena.com to check for the latest software downloads.

Click Here to Visit sena.com





# 13. GENERAL SETTINGS

# 13.3 Voice Prompts (Default: Enable)

A Voice prompt setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

If Voice prompt is enabled, you can hear Voice prompts for different kinds of features. If Voice prompt is disabled, Voice prompts are silenced except for those in the Configuration Menu, battery level indication, speed dial, and FM radio functions.

### **Function Priority**

**Firmware Upgrades** 

> Voice **Prompts**

Sidetone

Delete All **Bluetooth Pairing Information** 

## 13.4 Sidetone (Default: Disable)

A **Sidetone** setting can be found in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

Sidetone is the sound of your own voice as picked up by your headset's microphone and reproduced in your own ear, by your own speaker. 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.





# 13. GENERAL SETTINGS

### **Function Priority**

**Firmware Upgrades** 

> Voice **Prompts**

**Sidetone** 

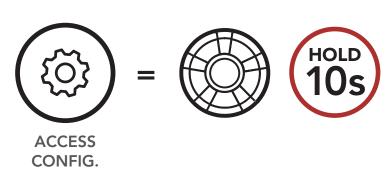
Delete All Bluetooth **Pairing** Information

## 13.5 Delete All Bluetooth Pairing Information

A Delete All Bluetooth Pairing Information setting can be found in the **Headset Configuration** Menu.

Tap the **Phone Button** when in this menu to **Delete** All Bluetooth Pairing Information stored in the headset.

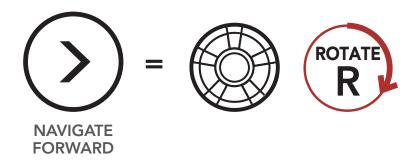
Access Delete All Pairings in the Configuration Menu





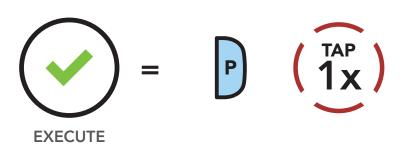
**MENU** 

"Configuration menu"





"Delete all pairings"







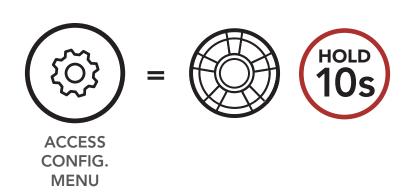
# 14. REMOTE CONTROL

Pairing with the Remote Control You can remotely control the headset using Sena Remote Control devices (sold separately) such as a Handlebar Remote or a Wristband Remote. This eliminates the need to remove your hands from the handlebars for button operations.

## 14.1 Pairing with the Remote Control

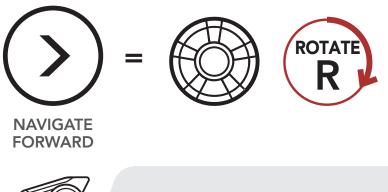
- 1. Turn on the headset and the Remote Control device.
- 2. Execute **Remote Control Pairing** in the **Headset** Configuration Menu.

**Access Remote Control Pairing** in the Configuration Menu



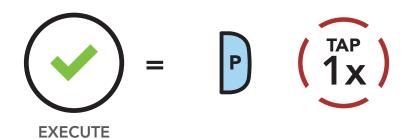


"Configuration menu"





"Remote control pairing"





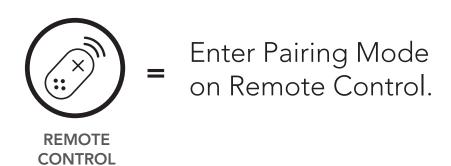


### Pairing with the Remote Control

# 14. REMOTE CONTROL

3. Enter pairing mode in the Remote Control device. The headset will automatically connect with the Remote Control device in pairing mode. You will hear a voice prompt, "Remote control connected", when they are successfully paired.

#### **Enter Pairing Mode**





"Remote control connected"





# 15. TROUBLESHOOTING

**Fault Reset** 

**Factory Reset** 

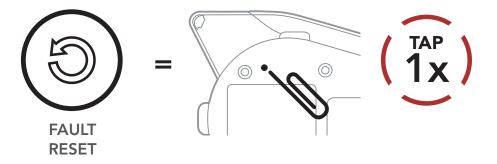
Please visit **sena.com** for answers to frequently asked questions. This detailed online FAQ section deals with troubleshooting, illustrates case studies and contains tips on using the headset.

#### Click Here to Visit sena.com

#### 15.1 Fault Reset

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

- 1. Locate the pinhole reset button below on the back of the main unit.
- 2. Gently insert a paperclip into the hole and tap the Fault Reset Button with light pressure.



3. The headset will shut down.

Note: Fault Reset will not restore the headset to factory default settings.





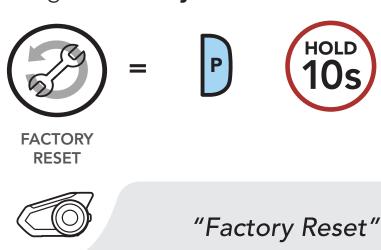
# 15. TROUBLESHOOTING

## **Fault Reset**

## **Factory Reset**

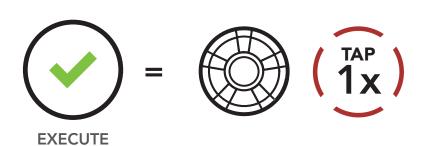
## 15.2 Factory Reset

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





**LED STATUS** 





**Note:** If you press the **Phone Button** or don't press the Jog Dial within 5 seconds, the reset attempt is canceled and the headset returns to standby mode. You will hear a voice prompt saying "Canceled".



# SENA

Copyright © 2020 Sena Technologies, Inc. All rights reserved.

© 1998–2020 Sena Technologies, Inc. All rights reserved.

Sena Technologies, Inc. reserves the right to make any changes and improvements to its product without providing prior notice.

Sena™ is a trademark of Sena Technologies, Inc. or its subsidiaries in the USA and other countries. SF1™, SF2™, SF4™, SFR™, SRL™, Momentum™, Momentum INC™, Momentum Lite™, Momentum Pro™, Momentum INC Pro™, Momentum EVO™, Cavalry™, Latitude SR™, Latitude SX<sup>TM</sup>, Latitude S1<sup>TM</sup>, 30K<sup>TM</sup>, 50S<sup>TM</sup>, 50R<sup>TM</sup>, 5S<sup>TM</sup>, 20S EVO™, 20S™, 10S™, 10C™, 10C PRO™, 10C EVO™, 10U<sup>тм</sup>, 10Upad<sup>тм</sup>, 10R<sup>тм</sup>, 3S<sup>тм</sup>, 3S PLUS<sup>тм</sup>, SMH5<sup>тм</sup>, SMH5-FM™, SMH5 MultiCom™, SMH10™, SMH10R™, SPH10™, SPH10H-FM™, Savage™, Prism Tube WiFi™, Prism™, Bluetooth Audio Pack for GoPro<sup>®</sup>, R1<sup>TM</sup>, R1 EVO<sup>TM</sup>, R1 EVO CS™, M1™, M1 EVO™, RC1™, RC3™, RC4™, Handlebar Remote™, Wristband Remote™, PowerPro Mount™, Powerbank™, FreeWire™, WiFi Docking Station™, WiFi Sync Cable™, WiFi Adapter™, +Mesh™, +Mesh Universal™, MeshPort Blue™, MeshPort Red™, Econo™, OUTRUSH™, OUTSTAR™, EcoCom™, Parani M10™, SR10<sup>TM</sup>, SR10i<sup>TM</sup>, SM10<sup>TM</sup>, X1<sup>TM</sup>, X1 Pro<sup>TM</sup>, X1S<sup>TM</sup>, Expand<sup>TM</sup>, Bluetooth Mic & Intercom<sup>™</sup>, Tufftalk<sup>™</sup>, Tufftalk Lite<sup>™</sup>, Tufftalk M<sup>™</sup> are trademarks of Sena Technologies, Inc. or its subsidiaries. These trademarks may not be used without the express permission of Sena.

GoPro® is a registered trademark of Woodman Labs of San Mateo, California. Sena Technologies, Inc. ("Sena") is not affiliated with Woodman Labs, Inc. The Sena Bluetooth Pack for GoPro® is an aftermarket accessory specially designed and manufactured by Sena Technologies, Inc. for the GoPro® Hero3 and Hero4 allowing for Bluetooth capabilities.

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Sena is under license. iPhone® and iPod® touch are registered trademarks of Apple Inc.

Address: 152 Technology Drive Irvine, CA 92618