



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













#### GENERAL SETTINGS

#### REMOTE CONTROL



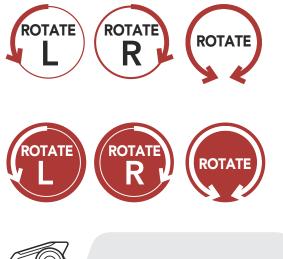
# **LEGEND**:



**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" Audi

Audible prompt from the headset

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

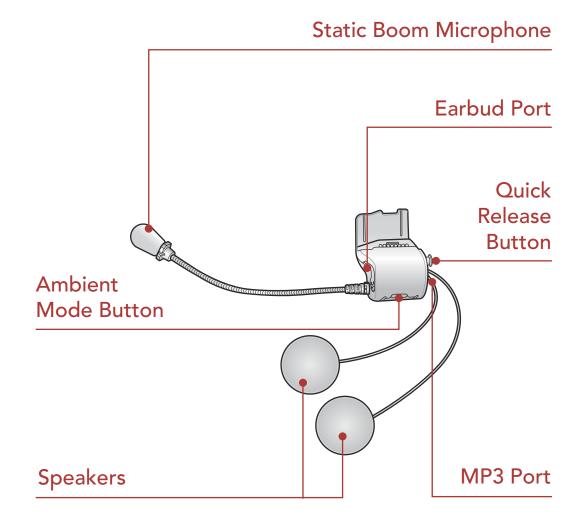
## 1.1 Product Details

Product Details

Package Contents



#### 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	
• 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>	
<ul> <li>Microphone Sponges</li> </ul>	
<ul> <li>Glued Surface Mounting Adapter</li> </ul>	



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

Product Details

Package Contents

• Speaker Pads	
<ul> <li>Hook and Loop Fasteners for Speakers</li> </ul>	
• Boom Microphone Holder	
<ul> <li>Hook and Loop Fastener for Holder</li> </ul>	
• 2.5 to 3.5 mm Audio Cable	
• Rubber Pads	
• Allen Wrench	
• Speaker Port Cover	
• USB Power & Data Cable (Micro USB Type)	

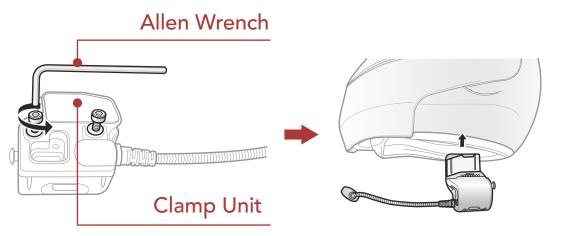




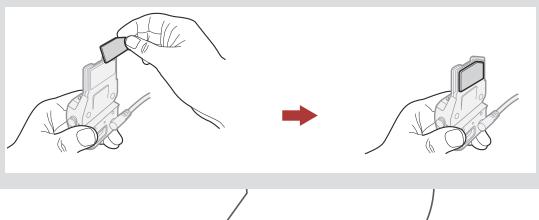
## 2.1 Helmet Installation

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.



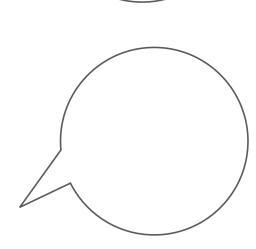
Helmet Installation

Using the Glued Surface Mounting Adapter

Switching the Microphone

Earbuds

External Mesh Intercom Antenna







#### Helmet Installation

Using the Glued Surface Mounting Adapter

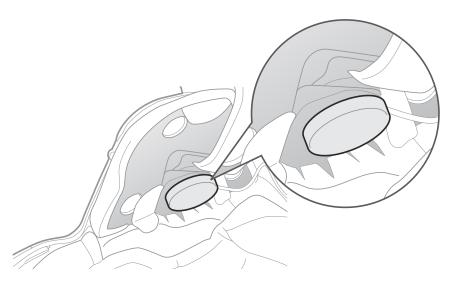
Switching the Microphone

**Earbuds** 

#### External Mesh Intercom Antenna

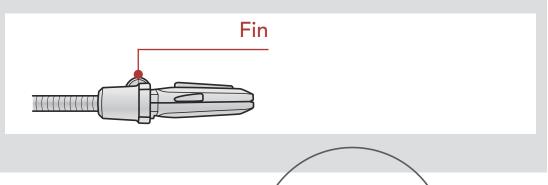
# 2. INSTALLING THE HEADSET ON YOUR HELMET

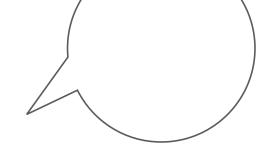
2. Place the helmet speakers along with the hook and loop fasteners, centered to your ear, in the ear pockets of the helmet. If the helmet has deep ear pockets, you can use the speaker pads to place the speakers closer to your ears.



#### Note:

- The speaker with the shorter wire is for the left ear and the speaker with the longer one is for the right ear.
- 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.









Helmet Installation

Using the Glued Surface Mounting Adapter

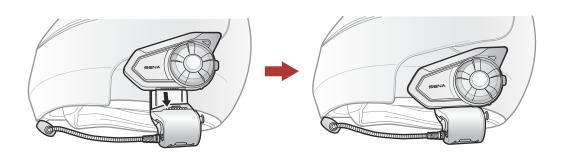
Switching the Microphone

Earbuds

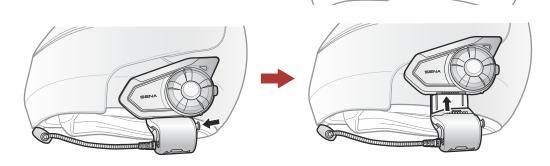
#### External Mesh Intercom Antenna

# 2. INSTALLING THE HEADSET ON YOUR HELMET

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.



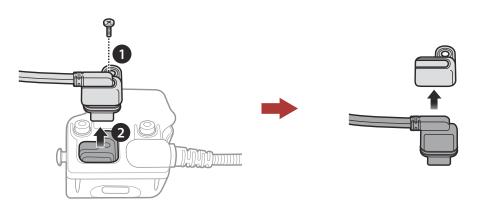




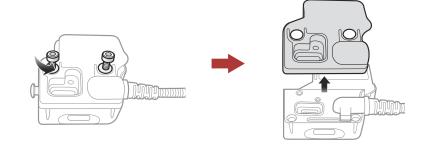
# 2.2 Using the Glued Surface Mounting Adapter

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.

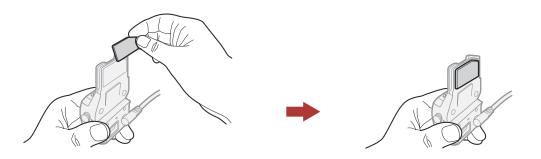
1. Remove the speaker unit.



2. Remove the back plate.



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



Helmet Installation

Using the Glued Surface Mounting Adapter

Switching the Microphone

**Earbuds** 

External Mesh Intercom Antenna

# 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.

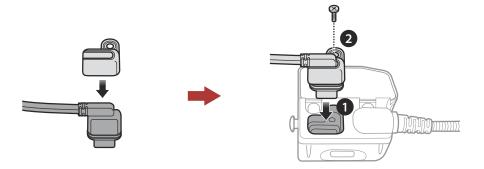
Helmet Installation

Using the Glued Surface Mounting Adapter

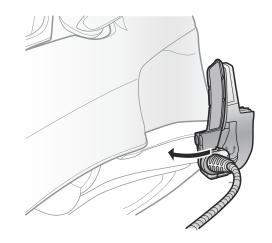
Switching the Microphone

**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.



**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.

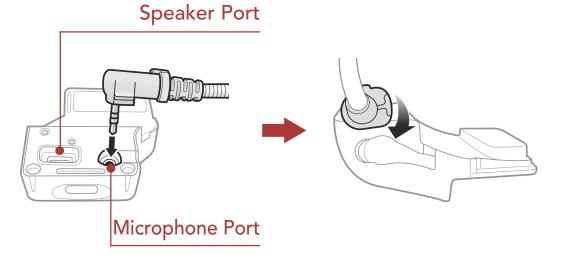




## 2.3 Switching the Microphone

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.





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

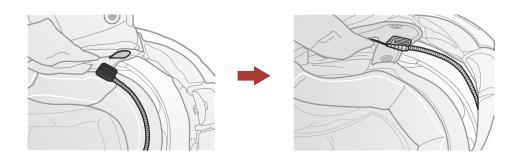
**Earbuds** 

#### External Mesh Intercom Antenna

# 2. INSTALLING THE HEADSET ON YOUR HELMET

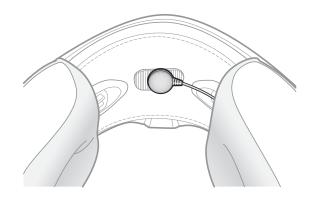
#### 2.3.1 Wired Boom Microphone

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

Helmet Installation

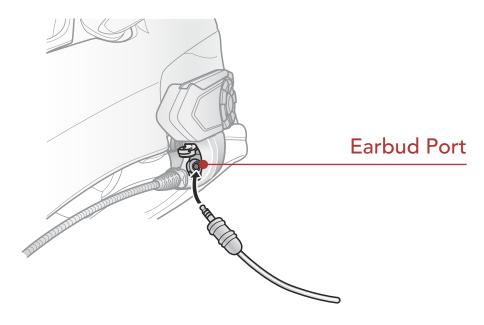
Using the Glued Surface Mounting Adapter

Switching the Microphone

Earbuds

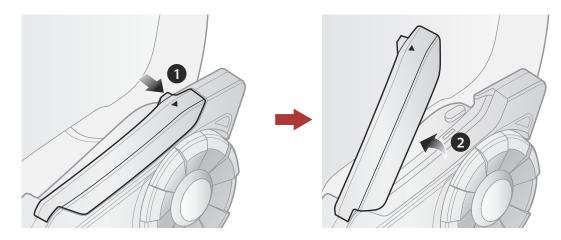
External Mesh Intercom Antenna

#### 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.



## 2.5 External Mesh Intercom Antenna

Pull the **Mesh Intercom** Antenna outwards slightly to unfold it.







## 3.1 Button Functions

Button Functions

Downloadable Sena Software

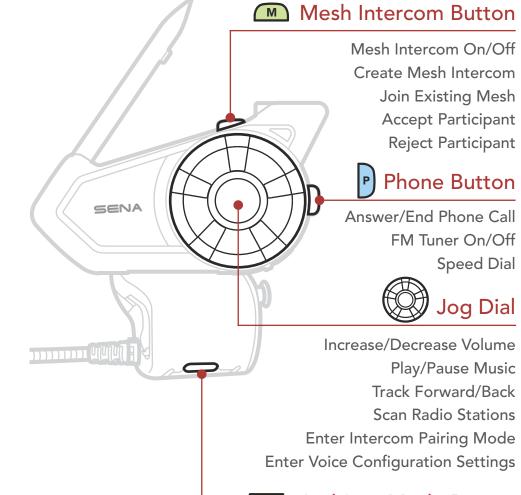
Powering On and Off

Charging

Checking the Battery Level

> Volume Adjustment

Configuration Menu



#### Ambient Mode Button

Ambient Mode Group Intercom Voice Command





## 3.2 Downloadable Sena Software

## 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

Downloadable Sena Software

Powering On and Off

Charging

Checking the Battery Level

> Volume Adjustment

Configuration Menu





## 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

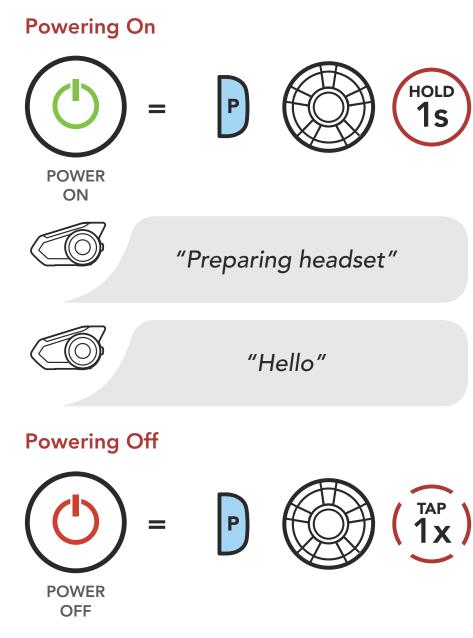
Powering On and Off

Charging

Checking the Battery Level

> Volume Adjustment

Configuration Menu



**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.

#### Button Functions





# 3.4 Charging

Button **Functions** 

**Charging the Headset** 

**Downloadable** Sena Software

**Powering On** and Off

Charging

**Checking the Battery Level** 

> Volume Adjustment

Configuration Menu

DC Power Charging & Firmware Upgrade Port  $\overline{7}$  $\Box$ ഹ 0

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.

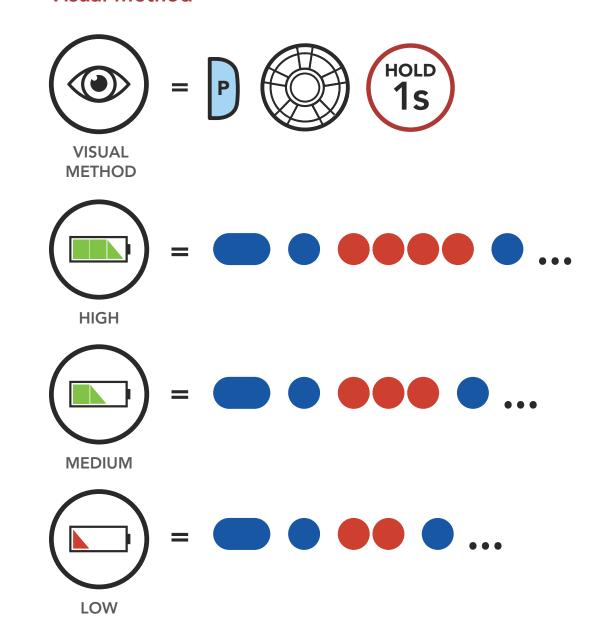
The headset is compatible with 5 V input USBcharged devices only.





# 3.5 Checking the Battery Level

Instruction is for when powering the headset on. **Visual Method** 



Button Functions

Downloadable Sena Software

Powering On and Off

Charging

Checking the Battery Level

> Volume Adjustment

Configuration Menu

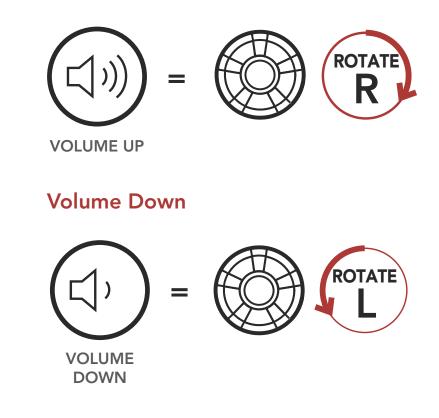




## 3.6 Volume Adjustment

# 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



Functions

**Button** 

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"

Button Functions

Downloadable Sena Software

Powering On and Off

Charging

Checking the Battery Level

> Volume Adjustment

Configuration Menu





Button Functions

Downloadable Sena Software

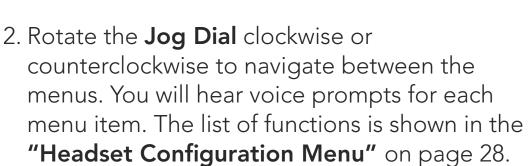
Powering On and Off

Charging

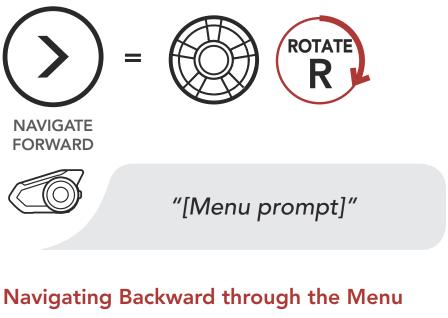
Checking the Battery Level

> Volume Adjustment

Configuration Menu



#### Navigating Forward through the Menu





NAVIGATE BACKWARD



"[Menu prompt]"

ROTATE





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

Button Functions

Downloadable Sena Software

Powering On and Off

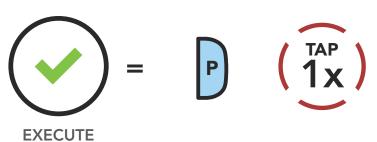
Charging

Checking the Battery Level

> Volume Adjustment

Configuration Menu

#### **Execute Menu Options**



#### 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



# 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

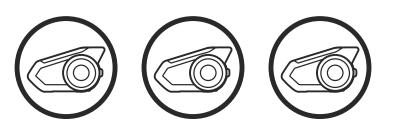
GPS Pairing

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.

**MENU** 

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:



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



# 4. PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES

#### **Mobile Phone** 4.1

#### **Mobile Phone**

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

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

**GPS** Pairing

There are two ways to pair the phone.

#### 4.1.1 Pairing When the 30K is Turned Off

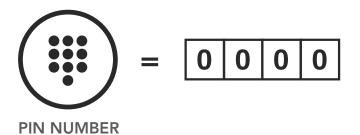
1. Press and hold the **Phone Button** and **Jog** Dial for 10 seconds when the 30K is turned off.

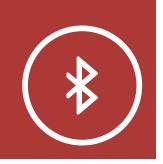
MENU

#### **Mobile Phone 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.





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

Advanced Selective Pairing: Hands-Free or A2DP Stereo

**GPS** Pairing

# 4. PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES

#### 4.1.2 Pairing When the 30K is Turned On

MENU

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

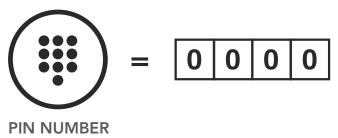
#### Mobile Phone Pairing

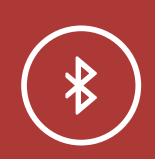
LED STATUS



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.





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

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

**GPS** Pairing

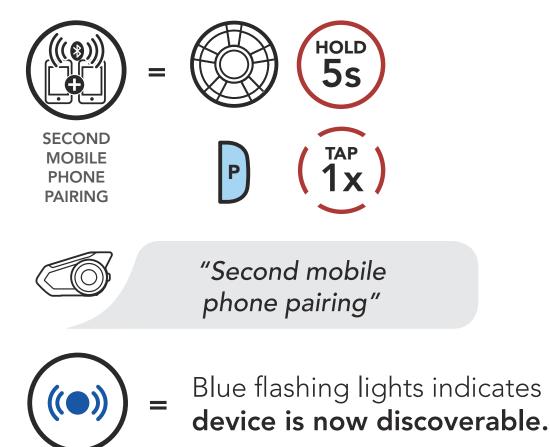
# 4. PAIRING THE **HEADSET WITH OTHER BLUETOOTH** DEVICES

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

MENU

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

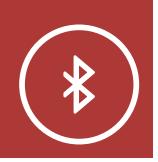


- 2. With your mobile phone in Bluetooth-pairing mode, select the headset in the list of devices detected.
- 3. If your mobile phone asks for a PIN, enter 0000.



LED STATUS





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

Advanced Selective Pairing: Hands-Free or A2DP Stereo

**GPS** Pairing

# 4. PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES

**MENU** 

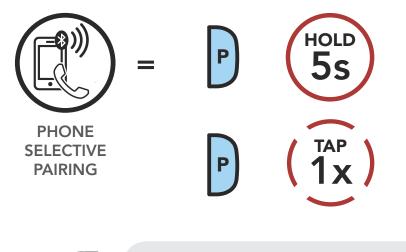
## 4.3 Advanced Selective Pairing: Hands-Free or A2DP Stereo

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

 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"

LED STATUS

Blue flashing lights indicates **device is now discoverable.** 



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

Advanced Selective Pairing: Hands-Free or A2DP Stereo

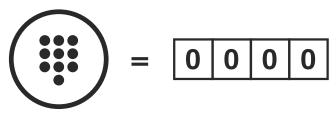
**GPS** Pairing

# 4. PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES

2. With your mobile phone in Bluetoothpairing mode, select the headset in the list of devices detected.

MENU

3. If your mobile phone asks for a PIN, enter 0000.

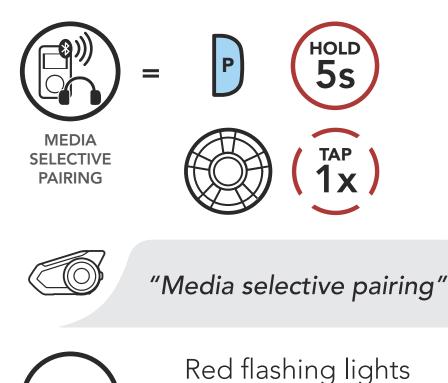


PIN NUMBER

#### 4.3.2 Media Selective Pairing - A2DP Profile

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

#### Media Selective Pairing







indicate device is now

LED STATUS





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

Advanced Selective Pairing: Hands-Free or A2DP Stereo

**GPS** Pairing

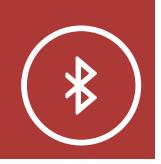
# 4. PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES

2. With your mobile phone in Bluetoothpairing mode, select the headset in the list of devices detected.

**MENU** 

3. If your mobile phone asks for a PIN, enter 0000.

**PIN NUMBER** 



# 4. PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES

## 4.4 GPS Pairing

#### Mobile Phone

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

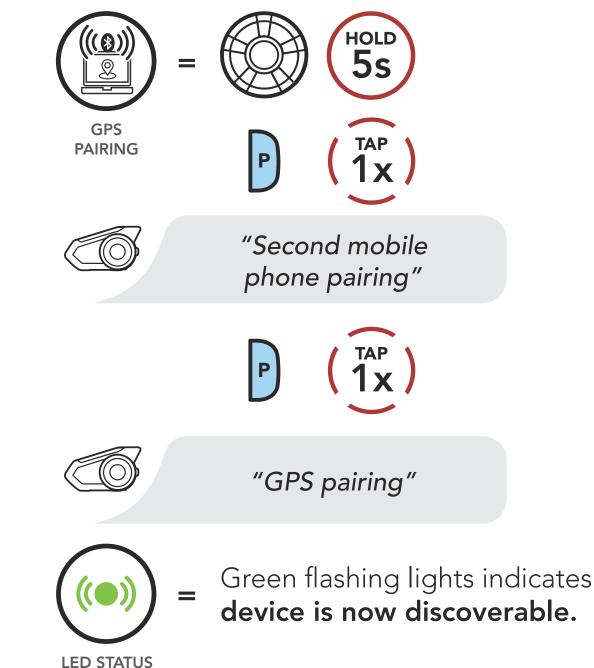
Advanced Selective Pairing: Hands-Free or A2DP Stereo

**GPS** Pairing

#### 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".

MENU

#### **GPS** Pairing





**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. PAIRING THE HEADSET WITH OTHER BLUETOOTH DEVICES

- 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.





1x



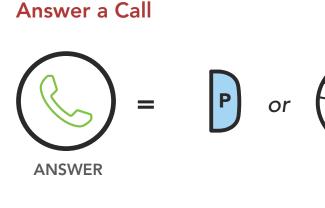
# **5. MOBILE PHONE USAGE**

## 5.1 Making and Answering Calls

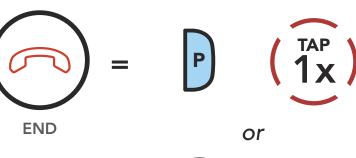
Making and Answering Calls

Speed Dialing

**VOX Phone** 

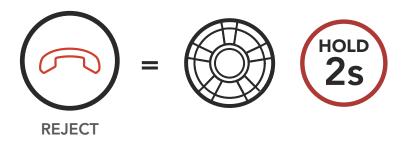


End a Call

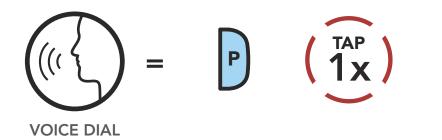




Reject a Call



### 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.





# 5. MOBILE PHONE USAGE

## 5.2 Speed Dialing

Making and Answering Calls

**Speed Dialing** 

**VOX Phone** 

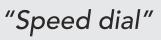
5.2.1 Assigning Speed Dial Presets Speed Dial Presets could be assigned in the settings menu, accessible through Sena Device Manager or Sena 30K Utility App.

### 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."** 

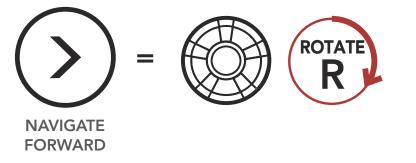
### Enter Speed Dial Mode





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



NAVIGATE BACKWARD





# **5. MOBILE PHONE USAGE**

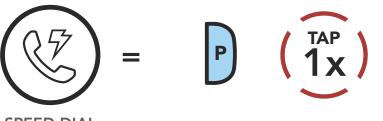
Making and Answering Calls

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



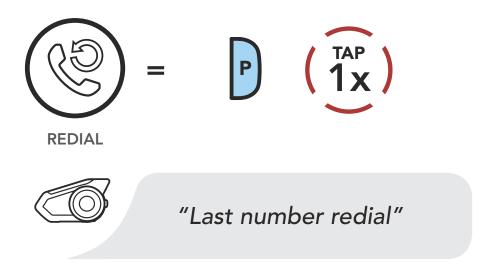
SPEED DIAL



"Speed dial (#)"

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

### **Redial Last Number**









# **5. MOBILE PHONE USAGE**

## 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.

Making and Answering Calls

**Speed Dialing** 

**VOX Phone** 





# 6. STEREO MUSIC

## 6.1 Playing Music with Bluetooth Devices

1. To play or pause music, press and hold the **Jog** 

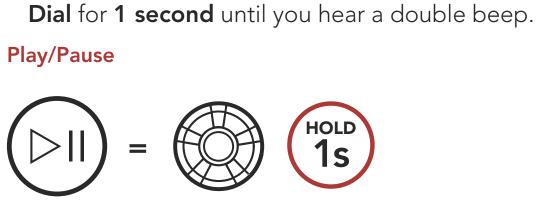
Playing Music with Bluetooth Devices

Playing Music with non-Bluetooth Devices

**Music Sharing** 

Audio Equalizer

Smart Volume Control

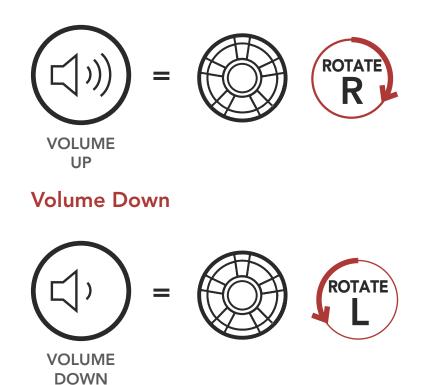


PLAY/PAUSE



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

### Volume Up









# 6. STEREO MUSIC

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 Equalizer

Smart Volume Control

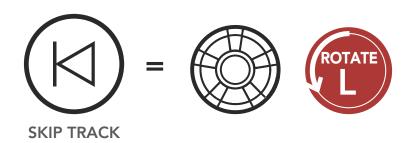


**Track Forward** 

SKIP TRACK FORWARD

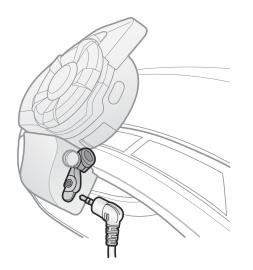
BACKWARD

Track Backward



6.2 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** 

# 6. STEREO MUSIC

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

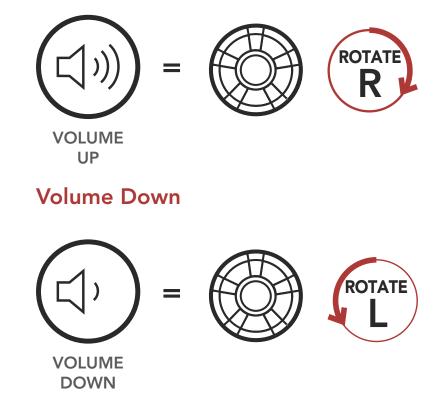
Volume Up

Playing Music with non-Bluetooth Devices

**Music Sharing** 

Audio Equalizer

Smart Volume Control



## 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

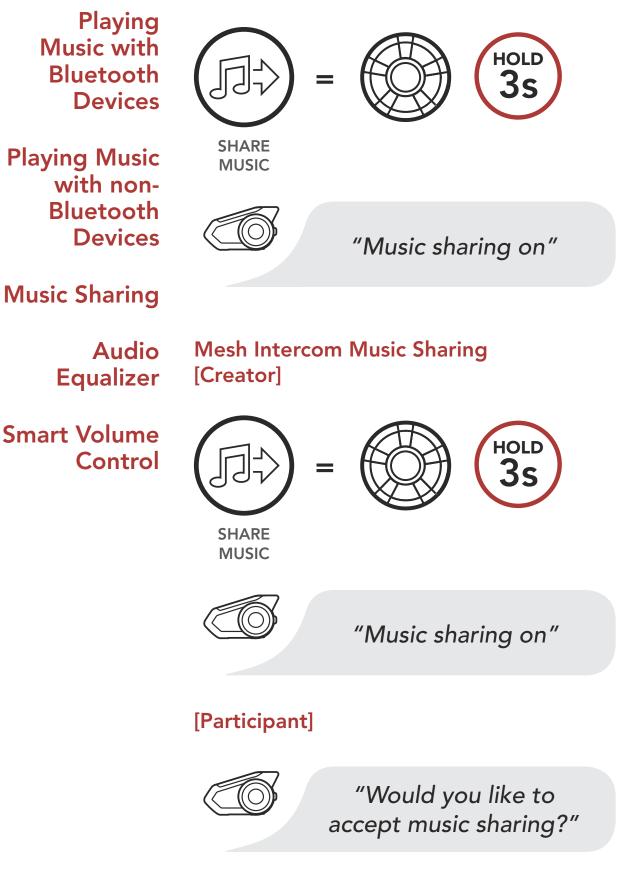
# Mesh Intercom and will share music with the first participant that accepts the request.

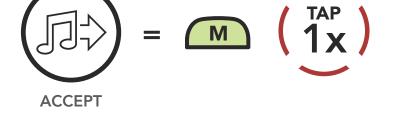


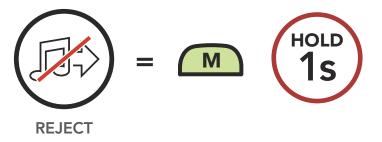


# **6. STEREO MUSIC**

Bluetooth Intercom Music Sharing











Playing Music with Bluetooth Devices

Playing Music with non-Bluetooth Devices

### **Music Sharing**

Audio Equalizer

#### Smart Volume Control

# 6. STEREO MUSIC

## 6.4 Audio Equalizer (Default: Off)

You can use the **Audio Equalizer** to increase/ decrease the decibel level of different frequency ranges of audio.

**Balance** will adjust all of the frequency ranges to be the same volume level (0 dB). **Bass Boost** will increase the bass range of audio (20 Hz - 250 Hz). **Mid Boost** will increase the mid range of audio (250 Hz - 4 kHz). **Treble Boost** will increase the high range of audio (4 kHz - 20 kHz).

## 6.5 Smart Volume Control (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)

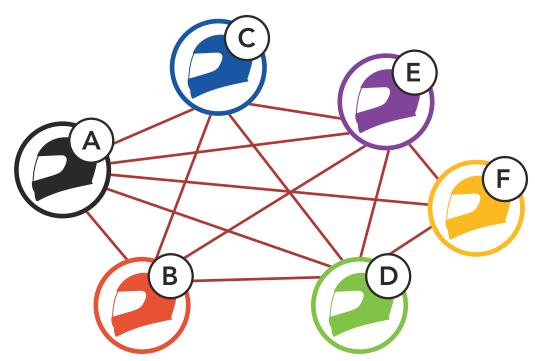
# 7. MESH INTERCOM

## 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™** or the same private group in **Group Mesh™**, six users can talk at the same time and enjoy the optimal quality for their conversation.

#### Mesh Intercom



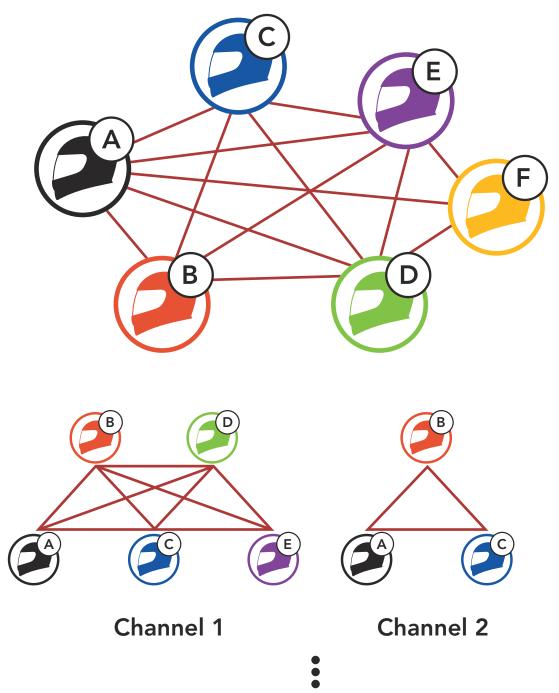




### 7.1.1 Open Mesh

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

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



What is Mesh Intercom?

Starting Mesh Intercom

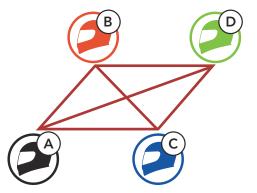
Using the Mesh in Open Mesh

Using Mesh in Group Mesh

**Reset Mesh** 

Toggling Open Mesh/Group Mesh

> Enable/ Disable Mic (Default: Enable)



#### **Channel 9**



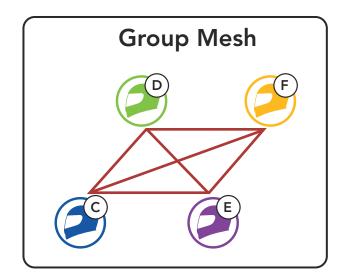


### 7.1.2 Group Mesh

**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)





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

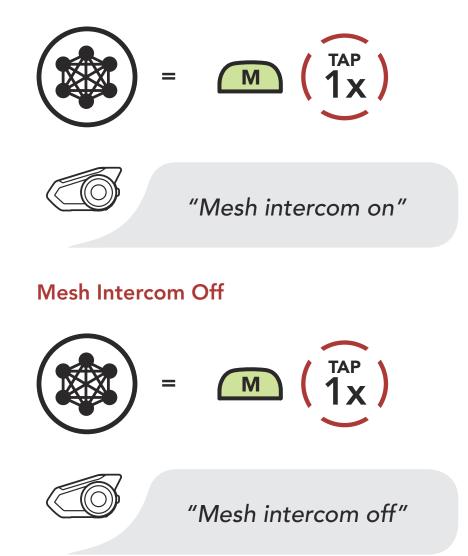
> Enable/ Disable Mic (Default: Enable)

# 7. MESH INTERCOM

## 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



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.

## 7.3 Using the Mesh in Open Mesh

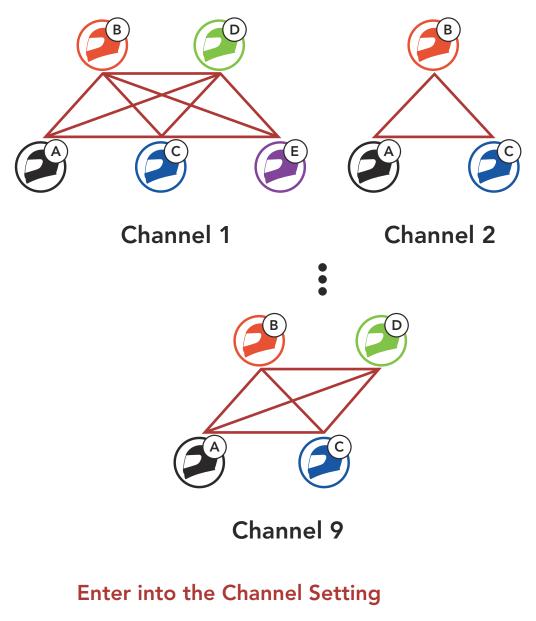
When **Mesh Intercom** is enabled, the headset will be in **Open Mesh (default: channel 1)** initially.

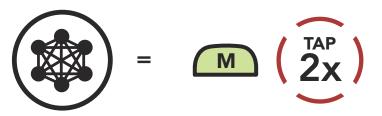




## 7.3.1 Channel Setting (Default: channel 1)

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.





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)



#### "Channel setting, 1"





What is Mesh Intercom?

Starting Mesh Intercom

Using the Mesh in Open Mesh

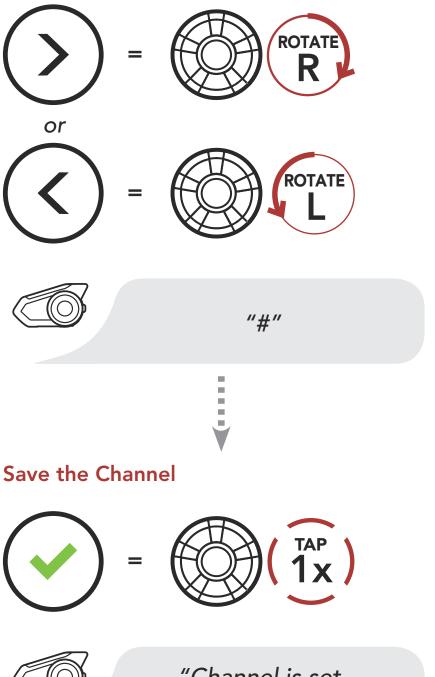
Using Mesh in Group Mesh

**Reset Mesh** 

Toggling Open Mesh/Group Mesh

> Enable/ Disable Mic (Default: Enable)

Navigate Between Channels  $(1 \rightarrow 2 \rightarrow \bullet \bullet \bullet \rightarrow 8 \rightarrow 9 \rightarrow \text{Exit} \rightarrow 1 \rightarrow \bullet \bullet \bullet)$ 



"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

What is Mesh Intercom?

Starting Mesh Intercom

Using the Mesh in Open Mesh

Using Mesh in Group Mesh

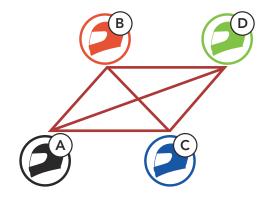
**Reset Mesh** 

Toggling Open Mesh/Group Mesh

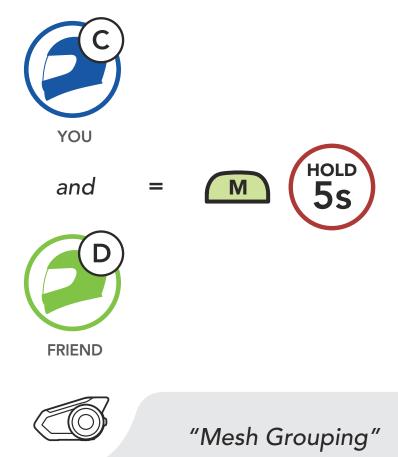
> Enable/ Disable Mic (Default: Enable)

7.4.1 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** 

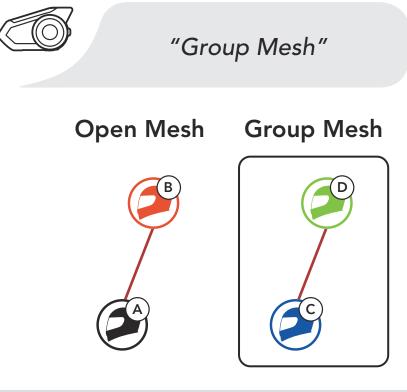
Reset Mesh

**Toggling Open** Mesh/Group Mesh

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

# 7. MESH INTERCOM

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



#### Note:

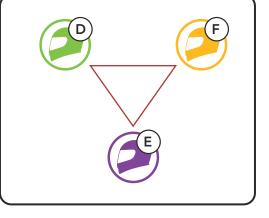
- If the **Mesh Grouping** is not completed within 30 seconds, users will hear a voice prompt, "Grouping failed".
- If you want to cancel during the **Mesh** Grouping, tap the Mesh Intercom Button or Phone Button.

### 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



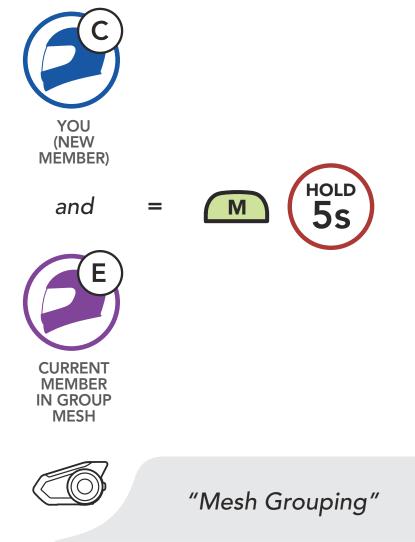








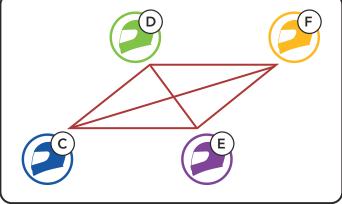
1. One of the current members and a new member enter into Mesh Grouping to join the Existing Group Mesh.

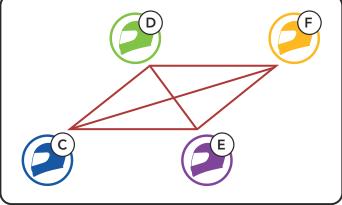


2. The headsets complete **Mesh Grouping**. The new members will hear a voice prompt as their headsets automatically switch from Open Mesh to Group Mesh.



"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**)



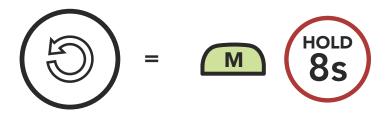


What is Mesh Intercom?

Starting Mesh Intercom **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)**.



## 7.6 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





"Open Mesh"

Open Mesh

 $\frown$ 

Using the Mesh in Open Mesh

Using Mesh in Group Mesh

**Reset Mesh** 

Toggling Open Mesh/Group Mesh

> Enable/ Disable Mic (Default: Enable)









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

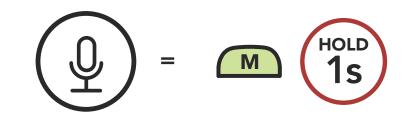
> Enable/ Disable Mic (Default: Enable)

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

Up to three people can communicate via intercom with the headset simply by pairing their headsets.

**Two-Way** Intercom

**Multi-Way** Intercom

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

> Group Intercom

Mesh Intercom Conference with Bluetooth Intercom Participant

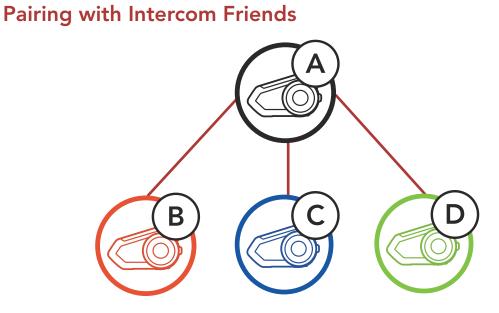
> Universal Intercom

**VOX Intercom** 

Intercom VOX **Sensitivity** 

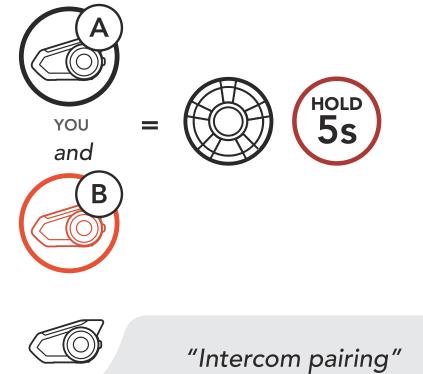
**HD** Intercom

**Advanced** 



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



Noise Control™



## Red flashing lights indicate device is now discoverable.

LED STATUS





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

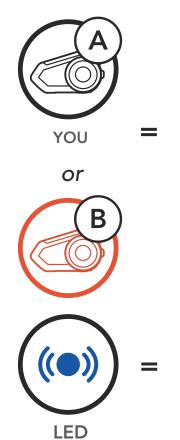
> Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD Intercom** 

Advanced



**STATUS** 

Flashing blue LED confirms **intercoms are paired.** 

1x

Noise Control™





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

B

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

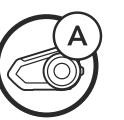
**HD** Intercom

Advanced





Last-Come, First-Served



YOU



YOU



Intercom

Friend 1

Intercom Friend 1



Intercom

Friend 2

В

Intercom Friend 2



Intercom Friend 3

Noise Control<sup>™</sup>





## 8.2 Two-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

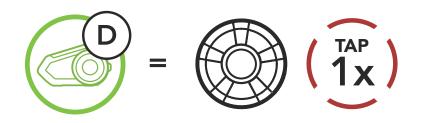
**HD** Intercom

Advanced

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

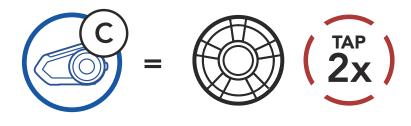
1. Tap once for Intercom Friend 1.

### 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



Noise Control<sup>™</sup>





## 8.3 Multi-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

## Multi-Way Intercom enables conference-call-style conversations with up to three Intercom Friends at the same time. While Multi-Way Intercom is in

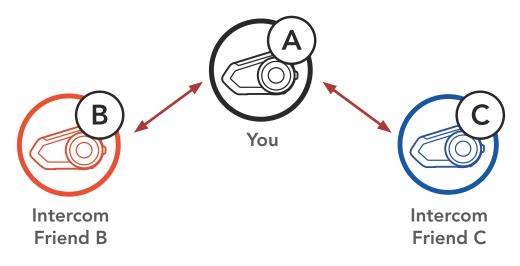
progress, mobile phone connection is temporarily disconnected. However, as soon as Multi-Way **Intercom** terminates, the mobile phone connection will be reestablished.

### 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



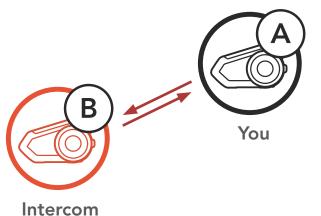
Noise **Control**<sup>™</sup>





 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



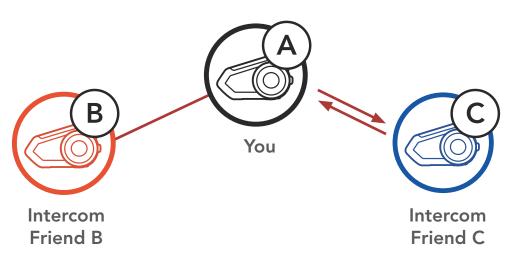
Friend B



Intercom Friend C

 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

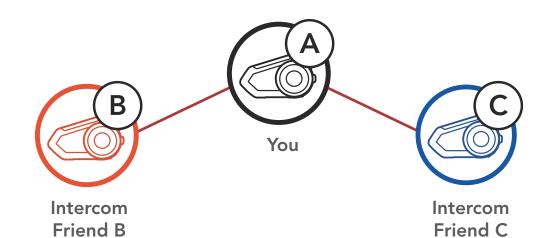
Advanced Noise Control™





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

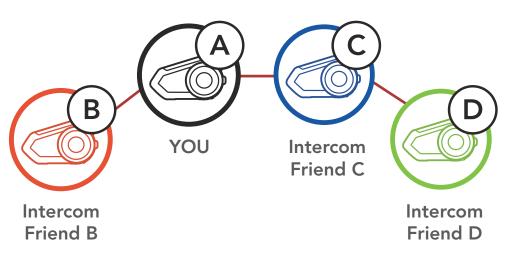
### Three-Way Intercom



### 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>™</sup>





### 8.3.3 Ending Multi-Way Intercom

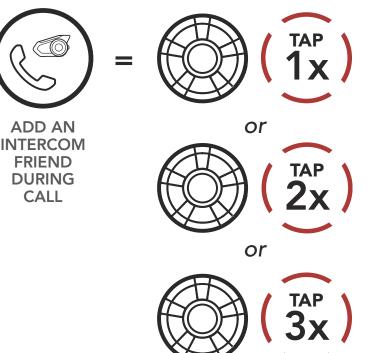
- 1. Press the **Jog Dial** for **1 second** until you hear a beep to terminate all intercom connections.
- Tap the Jog Dial to disconnect from your first Intercom Friend. Double tap the Jog Dial to disconnect from your second Intercom Friend.

# 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



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>™</sup>







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

#### **Disconnect Intercom Friend from Conference**



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

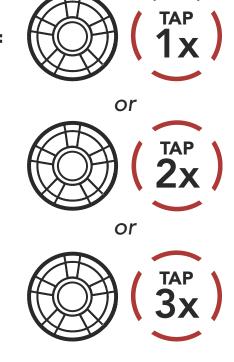
**VOX Intercom** 

Intercom VOX Sensitivity

**HD** Intercom

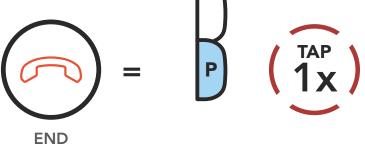
Advanced Noise Control™





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

### End Phone Call from Conference



INTERCOM

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





## 8.5 Group Intercom

#### Intercom Pairing

Two-Way Intercom

Multi-Way Intercom

Three-Way Conference Phone Call with Intercom Users

Group

Mesh

with

Intercom

Intercom

Conference

Bluetooth

Intercom

Universal

Intercom

**VOX Intercom** 

Intercom VOX

**HD** Intercom

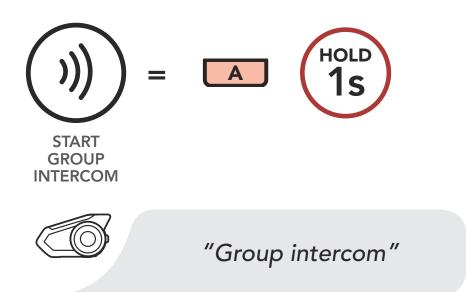
**Sensitivity** 

Participant

**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



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

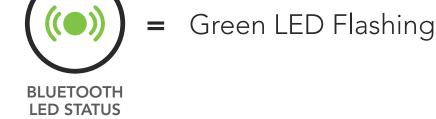


"Group intercom connected"



Advanced













Intercom

**Two-Way** 

Intercom

**Multi-Way** 

**Three-Way** Conference

**Phone Call** 

**Users** 

with Intercom

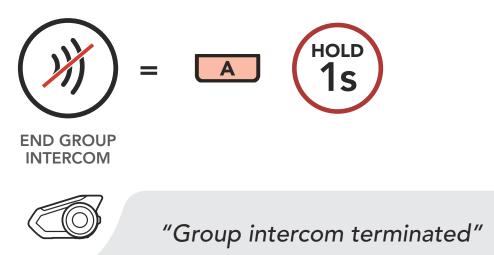
Intercom

Pairing

## 8. BLUETOOTH **INTERCOM SETUP**

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**



Group Intercom

Mesh Intercom Conference with Participant

Universal Intercom **VOX Intercom** Intercom VOX **Sensitivity HD** Intercom

#### Mesh Intercom Conference with 8.6 **Bluetooth Intercom Participant**

Users can use the existing Bluetooth intercom and Bluetooth **Mesh Intercom** function at the same time. In this Intercom 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 **Advanced** in the Mesh. Please refer to Section 8.5: "Group Noise Intercom" for more details. **Control**<sup>™</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** 

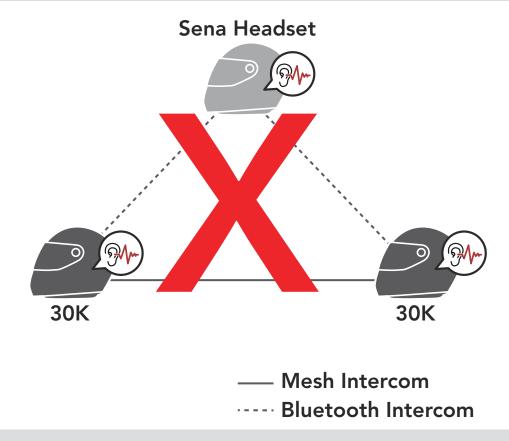
Intercom VOX Sensitivity

**HD** Intercom

Advanced

### 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.



Noise Control<sup>™</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

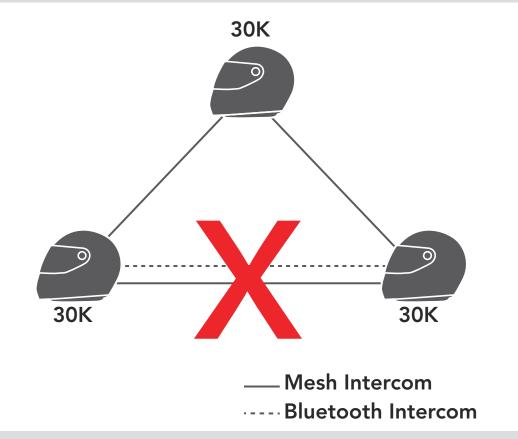
**VOX Intercom** 

Intercom VOX Sensitivity

**HD** Intercom

Advanced

 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.

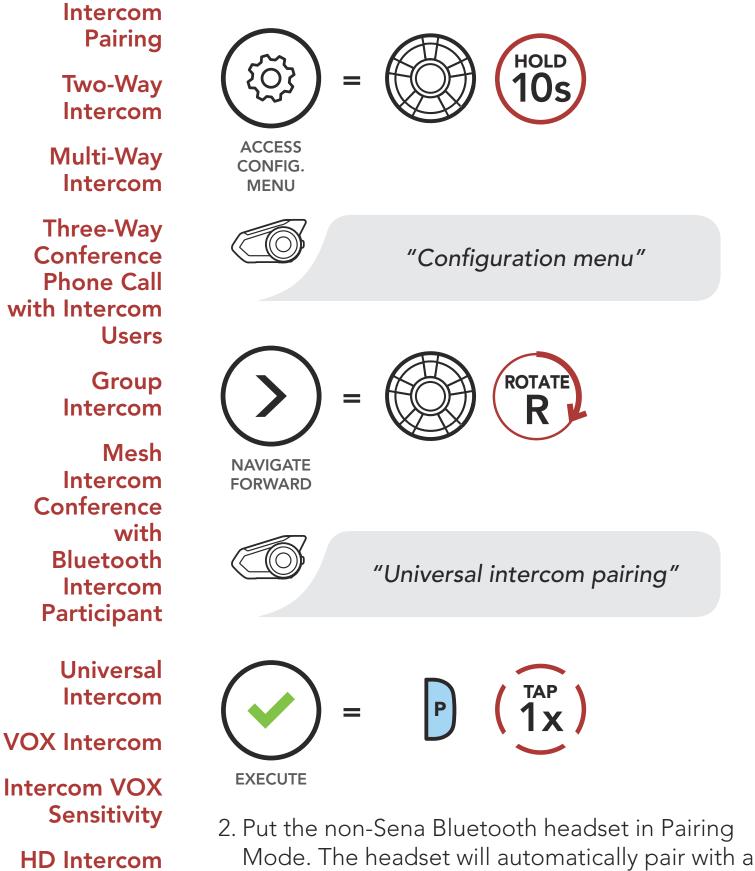
Noise Control<sup>™</sup>

1. Execute Universal Intercom in the Headset Configuration Menu.





Access Universal Intercom in the Configuration Menu



non-Sena Bluetooth headset.

**Advanced** 

Noise Control™





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

Multi-Way Intercom

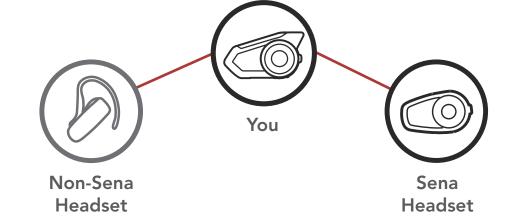
Intercom

**Two-Way** 

Intercom

Pairing

Three-Way Conference Phone Call with Intercom Users



Group Intercom

Mesh Intercom Conference with Bluetooth Intercom Participant

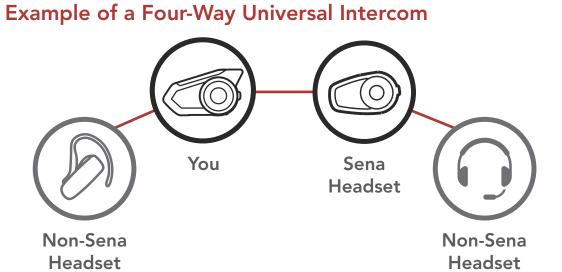
> Universal Intercom

**VOX Intercom** 

Intercom VOX Sensitivity

**HD** Intercom

Advanced



Noise Control<sup>™</sup>





# 8. BLUETOOTH INTERCOM SETUP

### 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.

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

# 8.9 Intercom VOX Sensitivity (Default: 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

#### 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.

#### Noise Control<sup>™</sup>

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.





# 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.

### 9.3 Audio Overlay Volume Management (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.

Audio Multitasking Settings

Intercom-Audio Overlay Sensitivity

Audio Overlay Volume Management





# 10.1 FM Radio On/Off

FM Radio On

FM Radio On/Off

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

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

FM RADIO ON	P Is
	"FM on"
FM Radio Off	
FM RADIO OFF	P HOLD 1s
	"FM off"





# 10.2 Seek and Save Radio Stations

#### **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

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

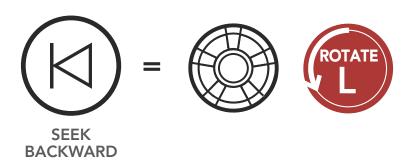
1. Rotate while pressing the Jog Dial clockwise or counterclockwise to search for radio stations.

#### **Seek Stations Forward**



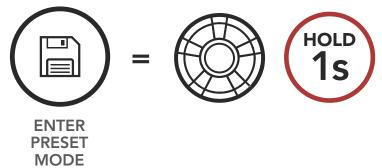
SEEK **FORWARD** 

#### 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.

FM Radio On/Off

Seek and Save Radio Stations

Scan and Save Radio Stations

Temporary Station Preset

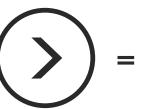
> Navigating Preset Stations

> > Region Selection

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

> FM Station Guide

#### Navigate Forward through Preset Stations





ROTATE

NAVIGATE FORWARD

#### Navigate Backward through Preset Stations

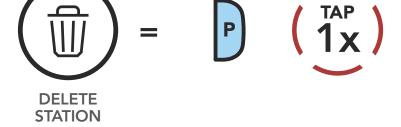


NAVIGATE BACKWARD

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









# 10.3 Scan and Save Radio Stations

FM Radio On/Off

Seek and Save Radio Stations

Scan and Save Radio Stations

Temporary Station Preset

> Navigating Preset Stations

> > Region Selection

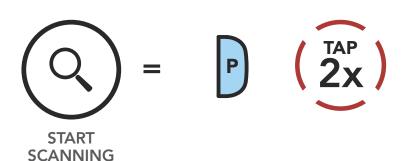
Radio Data System (RDS) Alternative Frequency (AF) Setting

> FM Station Guide

# 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.

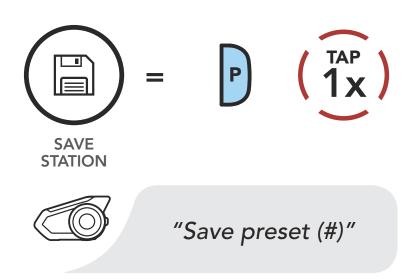
#### Scan and Save Radio Stations



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 stator will be saved as the next preset number.

#### Save the Current Station



# D





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

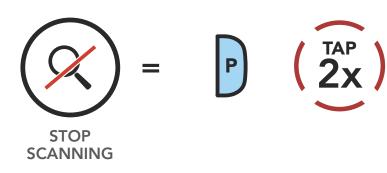
Navigating Preset Stations

> Region Selection

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

> FM Station Guide

#### Stop Scanning

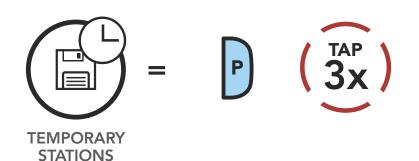


### **10.4 Temporary Station Preset**

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.





### **10.5 Navigating Preset Stations**

FM Radio On/Off

Seek and Save Radio Stations

Scan and Save Radio Stations

Temporary Station Preset

> Navigating Preset Stations

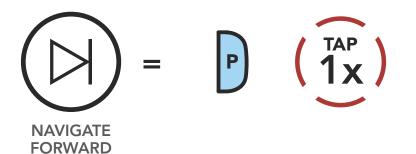
> > Region Selection

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

> FM Station Guide

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



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.

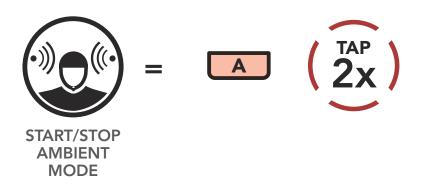




# **11. AMBIENT MODE**

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.

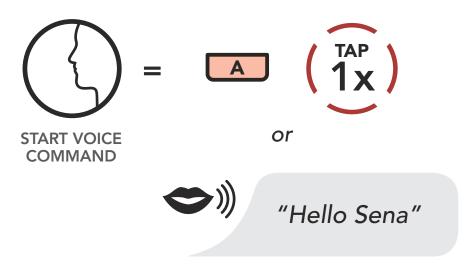




# **12. VOICE COMMAND**

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:

Function	Voice Command
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"
	Start/End each Intercom End all intercoms Call last intercom Group intercom







# **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

The headset prioritizes connected devices in the following order:

Fi	rm	Wa	are
Up	bgi	rad	les

Voice Prompts

Sidetone

Delete All Bluetooth Pairing Information

Ũ	
(highest)	Ambient Mode
	Mobile phone
	Voice command mode
	Mesh Intercom / Bluetooth Intercom
	Music sharing via Bluetooth stereo
	FM radio
	Stereo music by audio cable
(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. 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.

### 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.

#### Function Priority

Firmware Upgrades

> Voice Prompts

Sidetone

Delete All Bluetooth Pairing Information





# **13. GENERAL SETTINGS**

### 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.

Sidetone

**Prompts** 

Voice

**Function** 

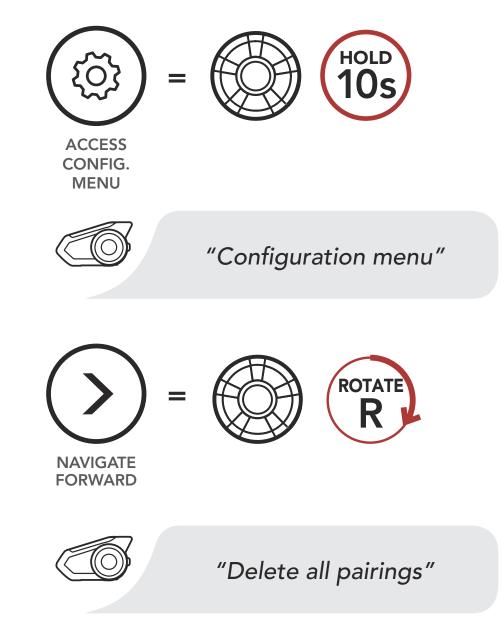
**Firmware** 

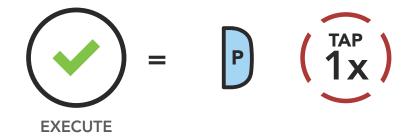
**Upgrades** 

**Priority** 

Delete All Bluetooth Pairing Information

#### Access Delete All Pairings in the Configuration Menu









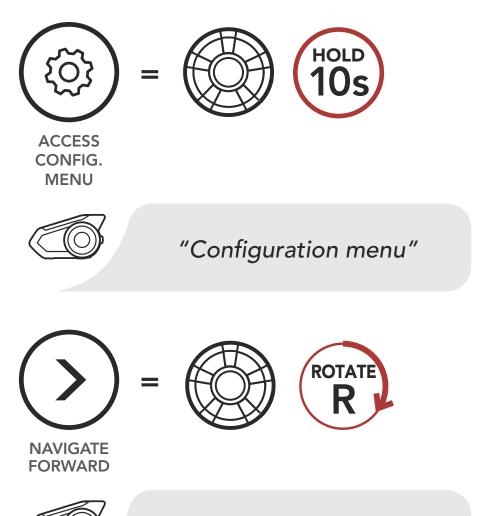
# **14. REMOTE CONTROL**

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

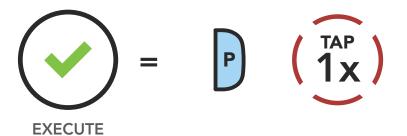
- 1. Turn on the headset and the Remote Control device.
- 2. Execute **Remote Control Pairing** in the **Headset Configuration Menu**.

Access Remote Control Pairing in the Configuration Menu





"Remote control pairing"







# **14. REMOTE CONTROL**

#### Pairing with the Remote Control

 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**



Enter Pairing Mode on Remote Control.

REMOTE CONTROL



"Remote control connected"



MENU



# **15. TROUBLESHOOTING**

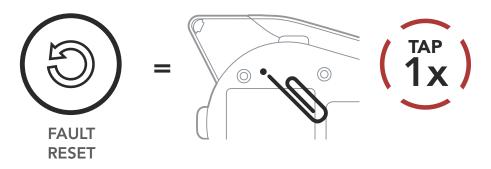
Fault Reset Factory Reset Please visit **sena.com** for answers to frequently asked questions. This detailed online FAQ section deals with troubleshooting, illustrates case studies and contains tips on using the headset.

### 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.





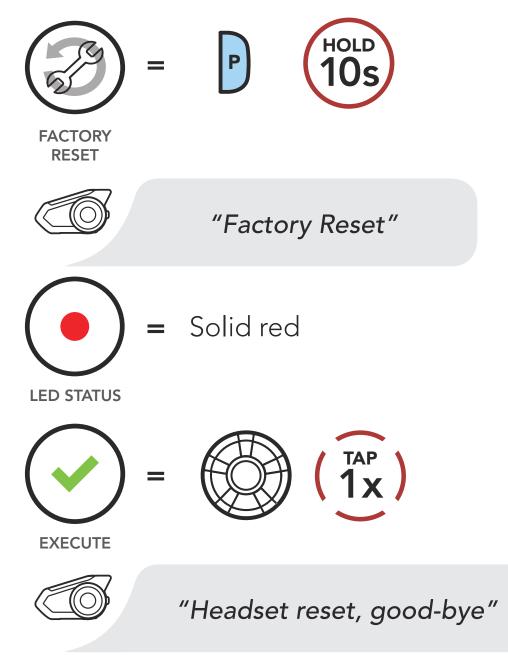
# **15. TROUBLESHOOTING**

### 15.2 Factory Reset

#### Fault Reset

**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.



**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".





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