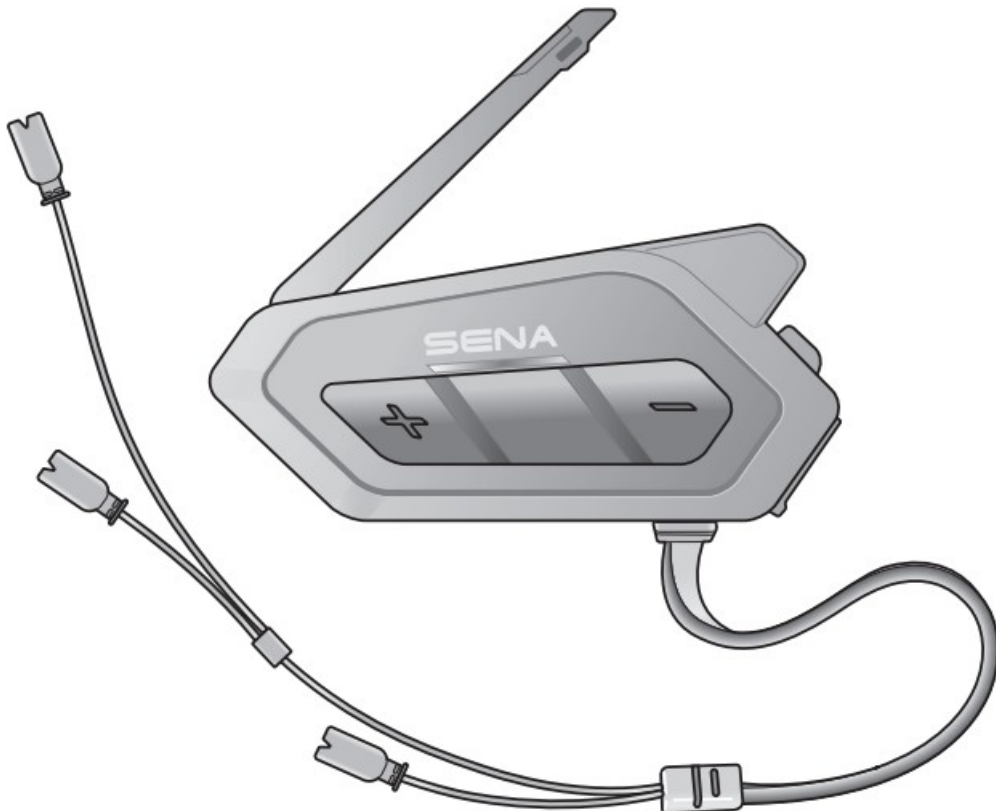




SENA 50R Mesh Intercom Headset User Guide

[Home](#) » [Sena](#) » SENA 50R Mesh Intercom Headset User Guide 




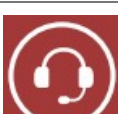



SENA



50R
LOW PROFILE MOTORCYCLE BLUETOOTH®
COMMUNICATION SYSTEM WITH MESH INTERCOM™
SOUND BY harman/kardon
QUICK START GUIDE
ENGLISH / 2.0.0

RIDE CONNECTED

Designed for those who want a sleeker device, the 50R Mesh Intercom™ headset continues Sena's affinity for advancing adventure and keeping people connected on the road.

	Bluetooth
	Multi-Way Intercom
	Mesh Intercom™ up to 2 km (1.2 mi)*
	Intercom up to 2 km (1.2 mi)*
	Audio Multitasking™
	<ul style="list-style-type: none">• Multi-Language Voice Command• Support Siri and Google Assistant
	Fast Charging

* in open terrain

Contents

[1 GETTING STARTED](#)

[2 Product Details](#)

[3 Installation](#)

[4 Downloadable Sena Software](#)

[5 Configuration Menu](#)

[6 Troubleshooting](#)

[7 Documents / Resources](#)

[7.1 References](#)

[8 Related Posts](#)

GETTING STARTED

Icon Legend



Tap button the specified number of times



Press and Hold button for the specified amount of time



"Hello"

Audible prompt

Follow us on Facebook, YouTube, Twitter and Instagram to check the latest information and helpful tips.

How to Use This Guide

The legend and callouts are here to help you read the illustrations.

New technology can be confusing, but we've created a simple way to perform actions using illustrations.



=

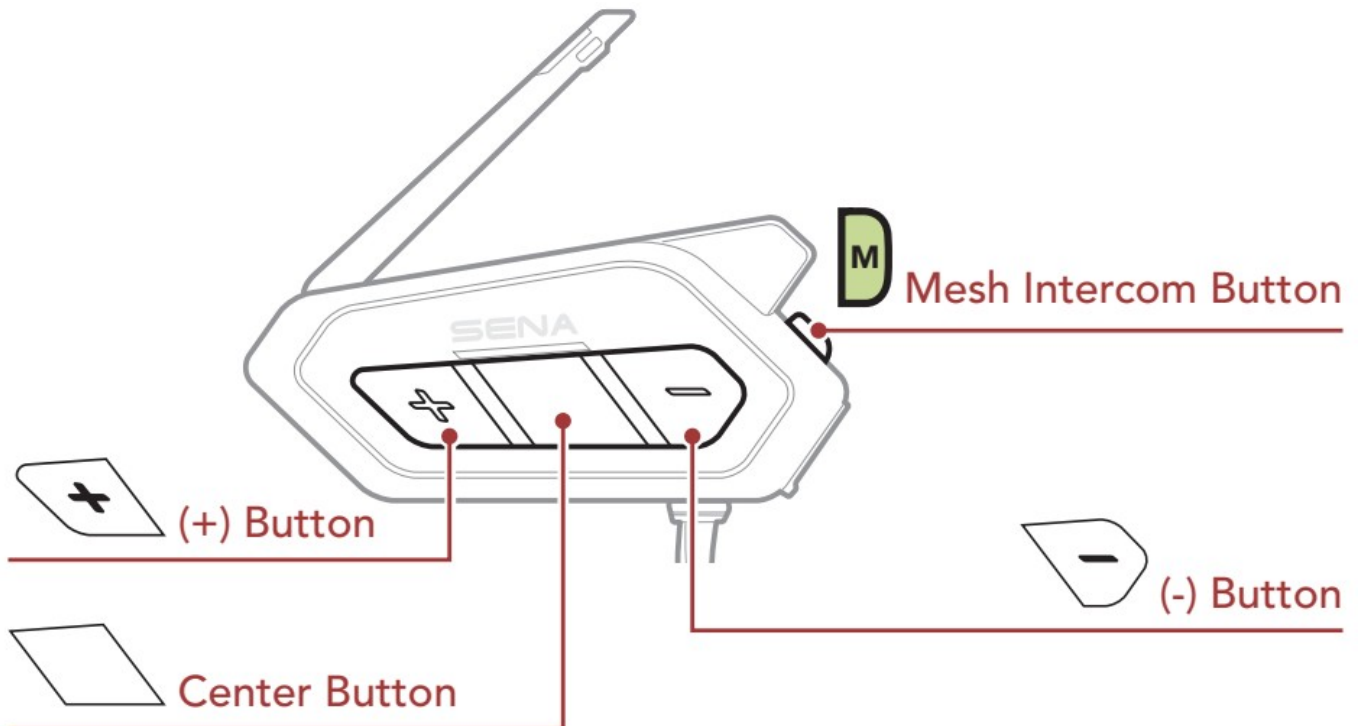


Function

=

Button(s) to **Tap or Hold**

Buttons



QUICK START GUIDE

Product Details

Mesh Intercom Antenna

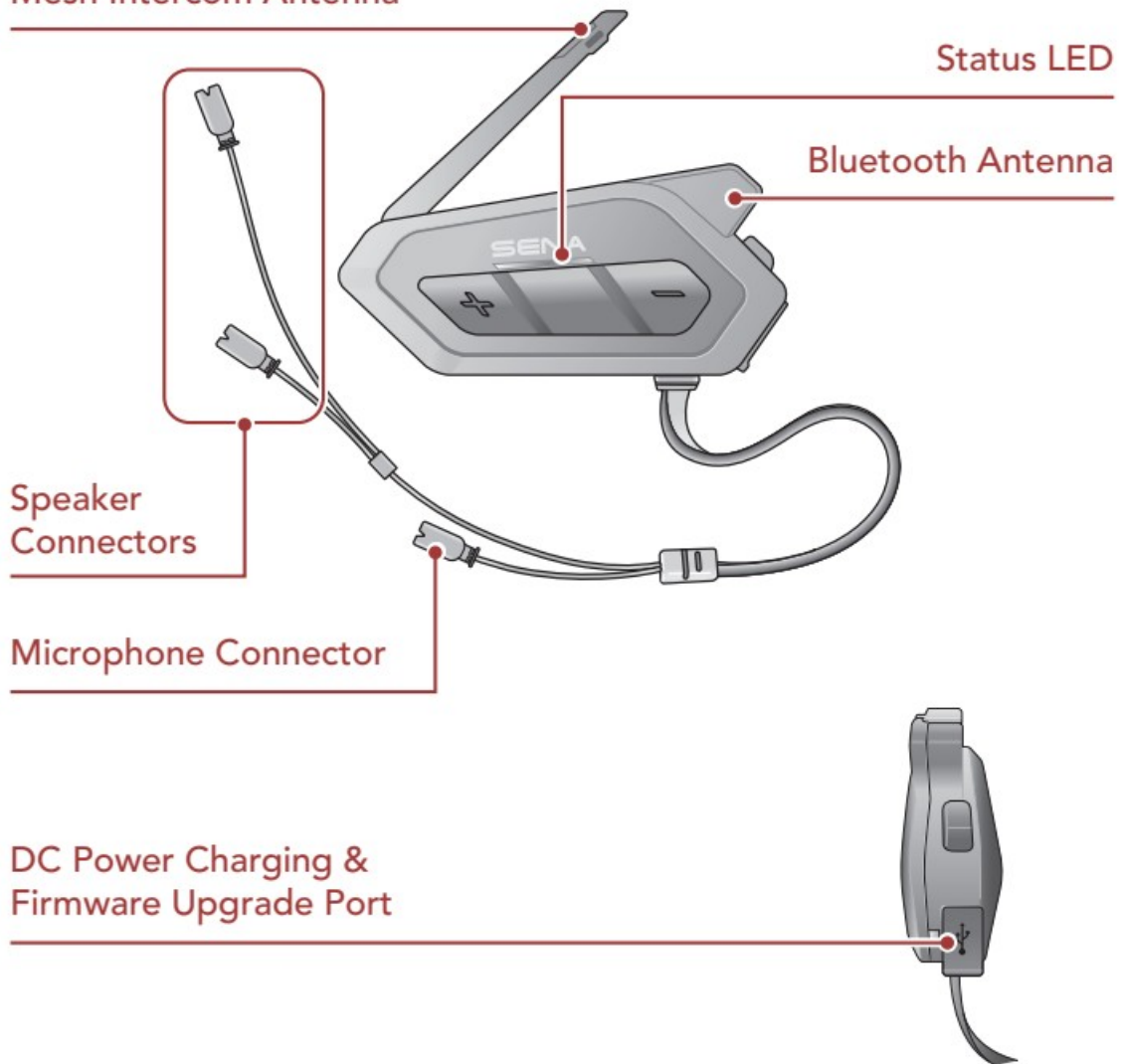
Status LED

Bluetooth Antenna

Speaker
Connectors

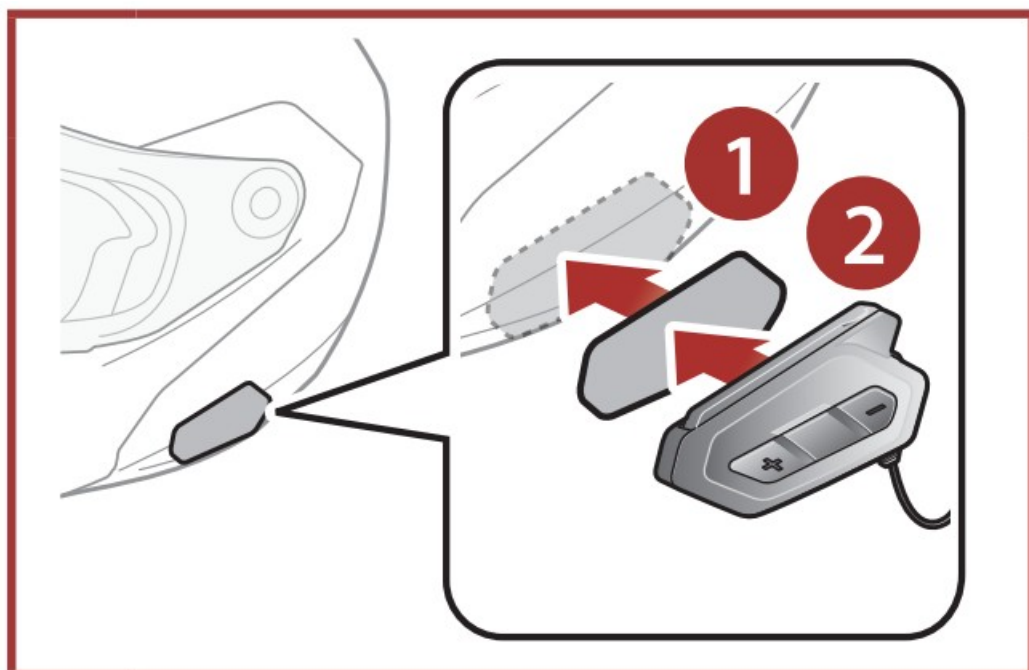
Microphone Connector

DC Power Charging &
Firmware Upgrade Port

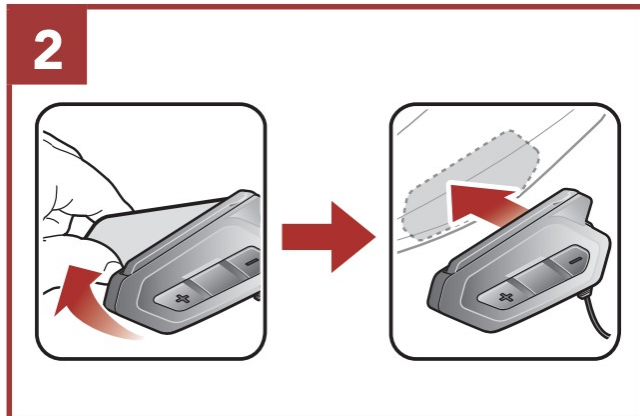
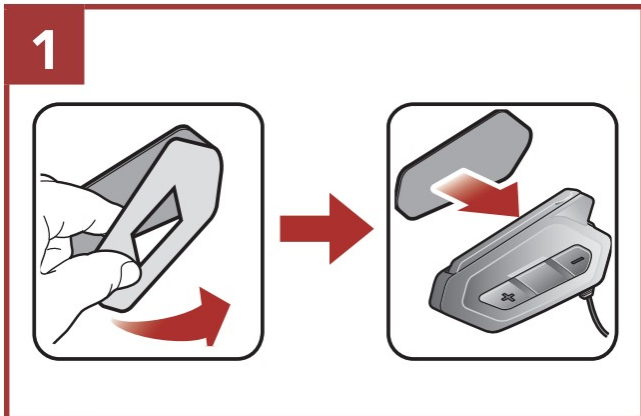


Installation

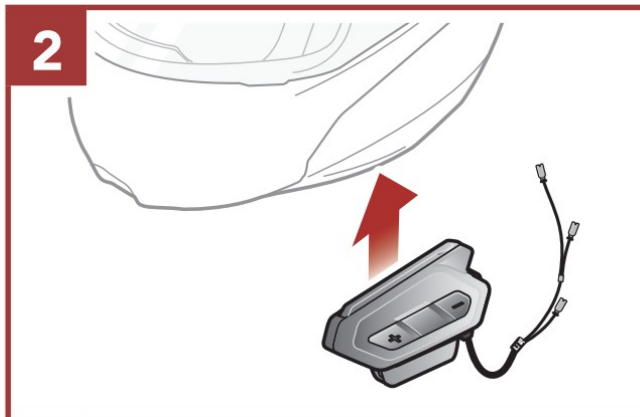
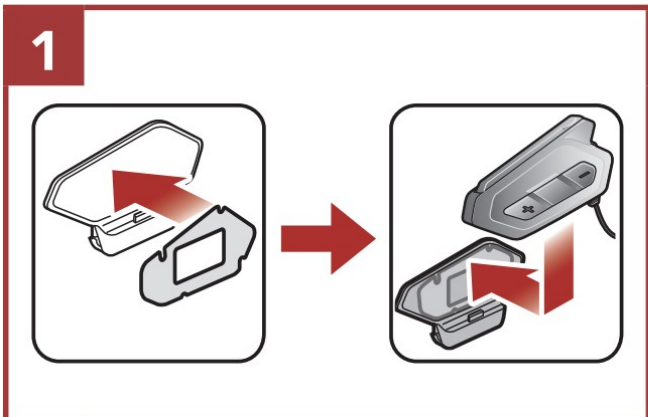
Using the Hook and Loop Fasteners for Main Unit



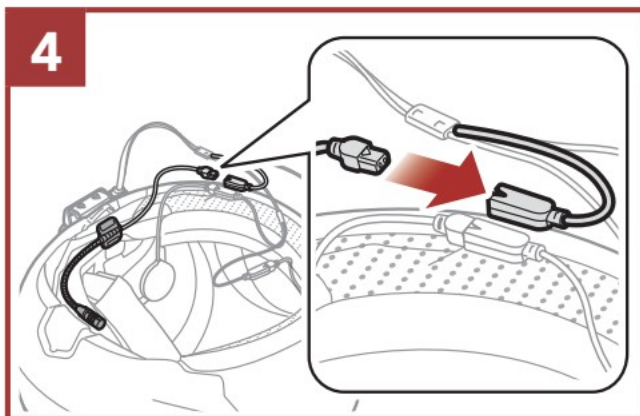
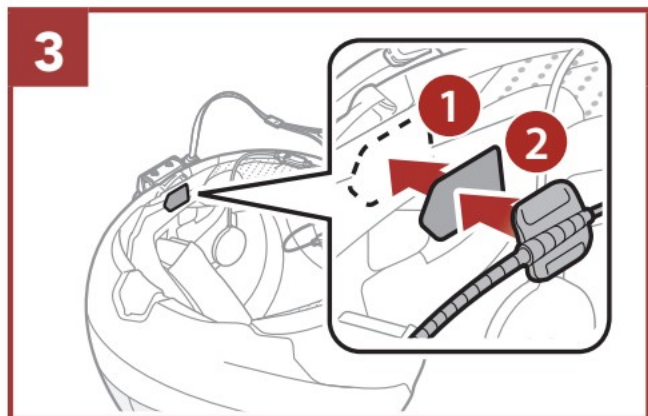
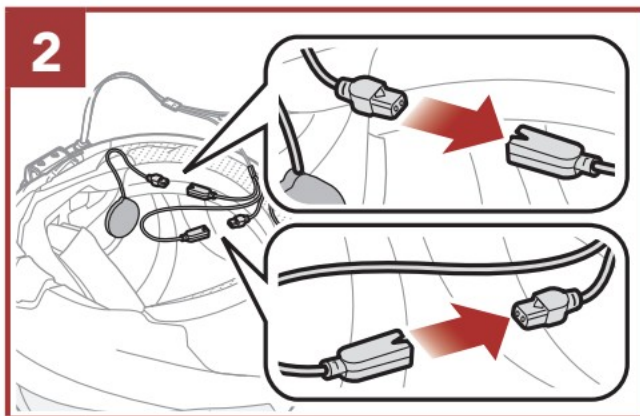
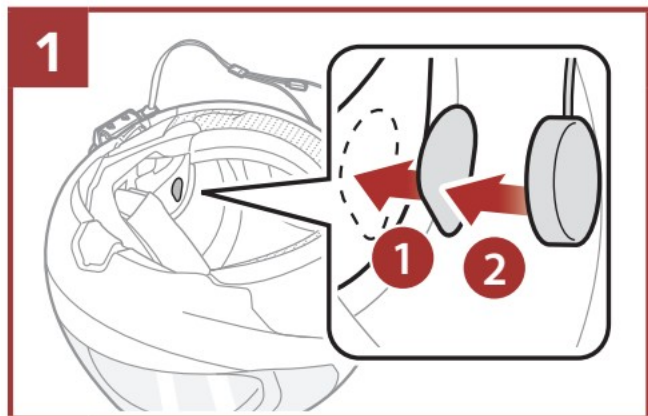
Using the Double Sided Adhesive Tapes for Main Unit



Using the Clamp for Main Unit

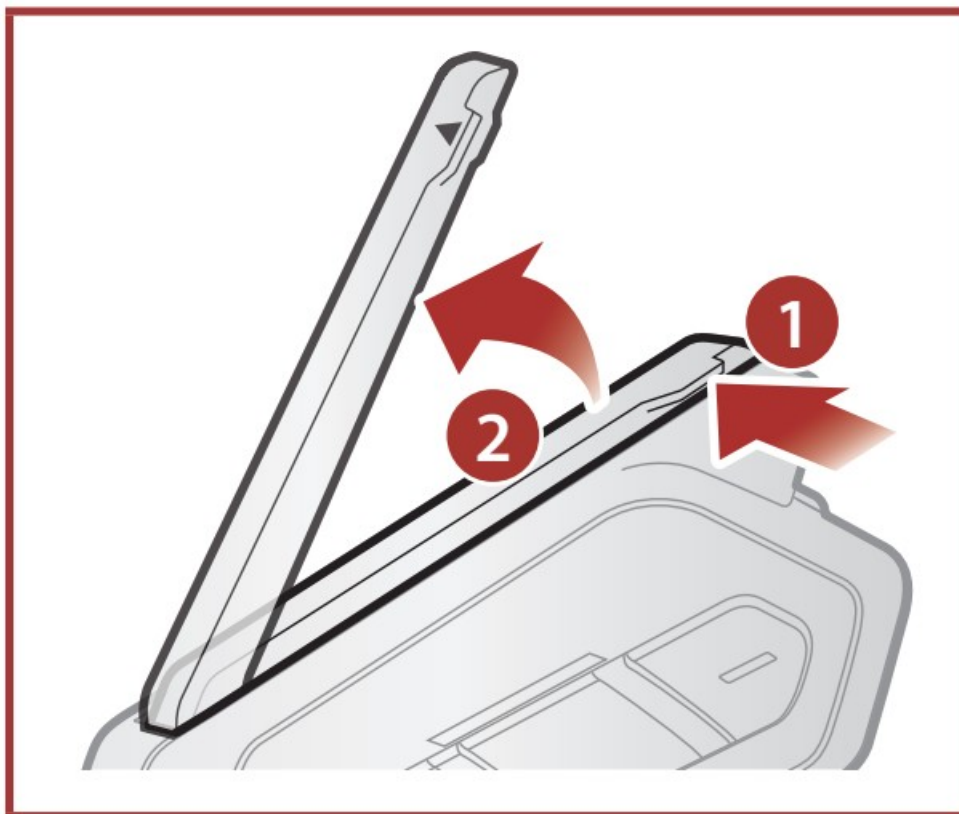


Installing the Speakers and the Microphone



Mesh Intercom Antenna

Pull the Mesh Intercom Antenna inwards slightly to unfold it.



Downloadable Sena Software

Download the SENA MOTORCYCLES App at Google Play Store or App Store.



SENA MOTORCYCLES

- Device configuration setting

Download the following items at sena.com.

	Firmware
	Sena Device Manager <ul style="list-style-type: none"> • Firmware upgrade • Device configuration setting
	Quick Start Guide, User's Guide

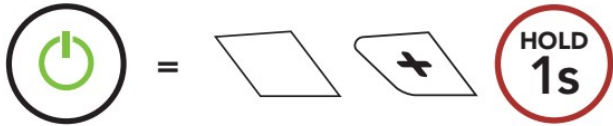
NOTICE

- This Quick Start Guide (Version 2.0.0) explains how to operate the 50R with firmware version 2.0 or higher.

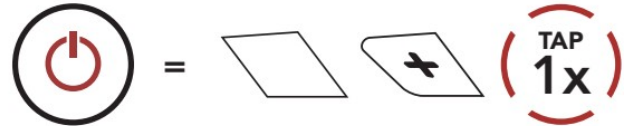
- For the operation of the 50R with a firmware version lower than 2.0, refer to the 50R Quick Start Guide (Version 1.0.1).

Basic Operations

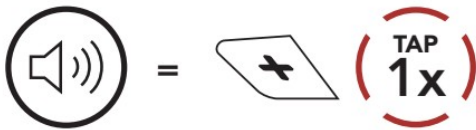
Powering On



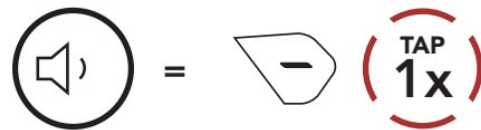
Powering Off



Volume Up



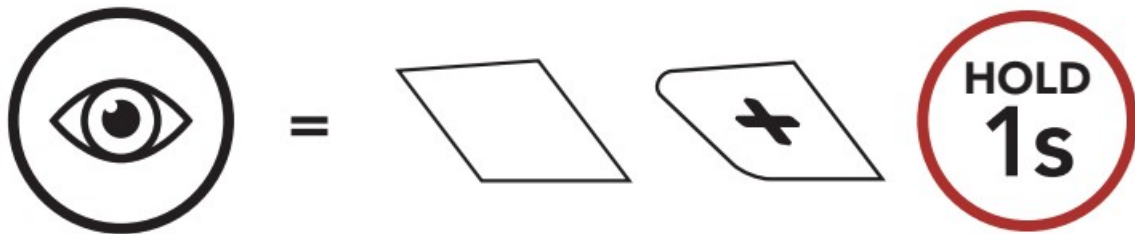
Volume Down



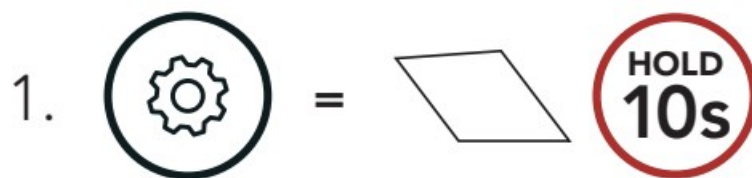
Checking the Battery Level

Instructions are for when powering the headset on.

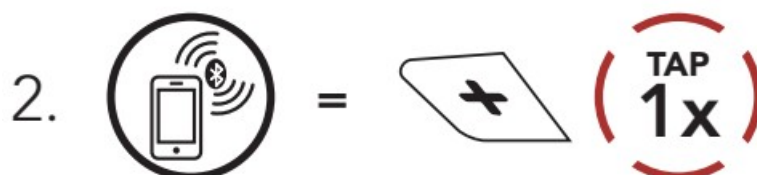
Visual Method



Phone Pairing



"Configuration menu"



Blinking  



"Phone pairing"

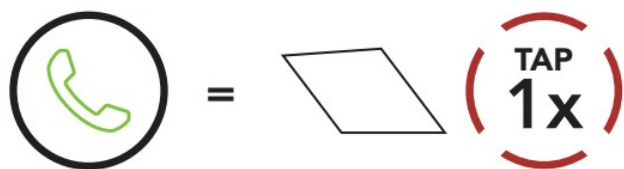
3. Select 50R in the list of Bluetooth devices detected.



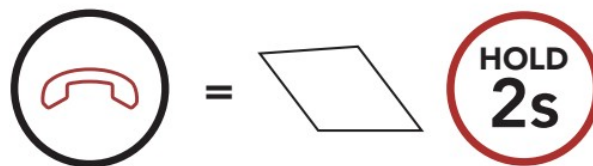
- The headset will enter the Phone Pairing mode automatically when you initially turn on the headset.
- For more information on phone pairing, refer to the User's Guide.

Mobile Phone

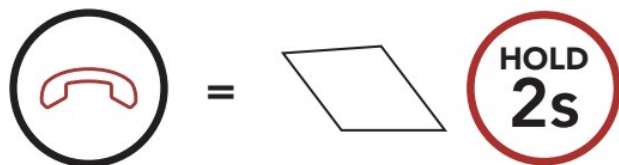
Answer a Call



End a Call

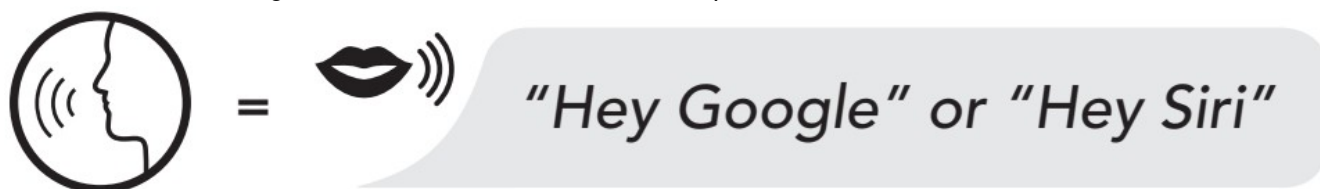


Reject a call



Siri and Google Assistant

Activate the Siri or Google Assistant Installed on Your Smartphone

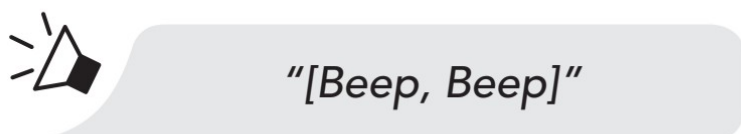
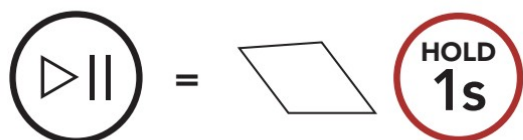


or

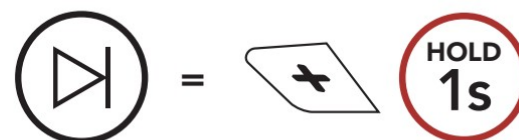


Music Controls

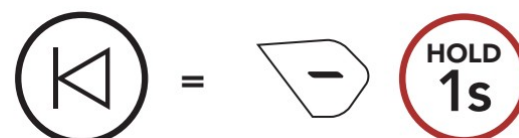
Play/Pause



Track forward



Track backward



Mesh Intercom™

When Mesh Intercom is enabled, the 50R will automatically connect to nearby 50R 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"

Open Mesh™

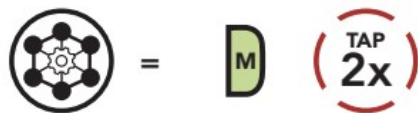
When Mesh Intercom is enabled, the headset will be in Open Mesh (default: channel 1) initially. Users can freely communicate with each other in the same Open Mesh channel.

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.

Enter into the Channel Setting

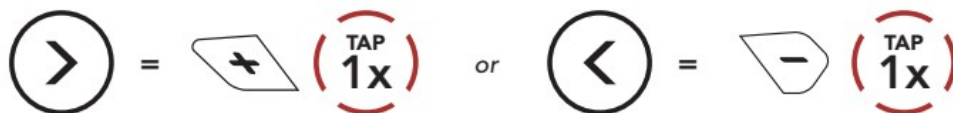


"Channel setting, 1"



Navigate between Channels

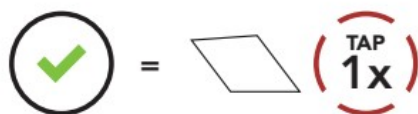
(1 → 2 → ... → 8 → 9 → Exit → 1 → ...)



"#"



Save the Channel



"Channel is set, channel #"

Note: To exit the Channel Setting, tap the (+) Button or (-) Button until you hear a voice prompt, "Exit", and tap the

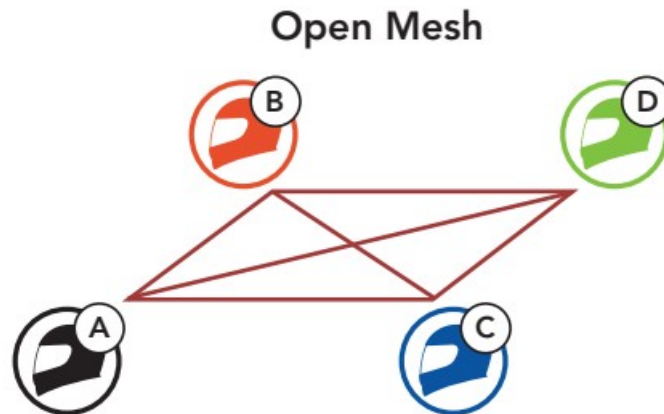
Center Button.

Group Mesh™

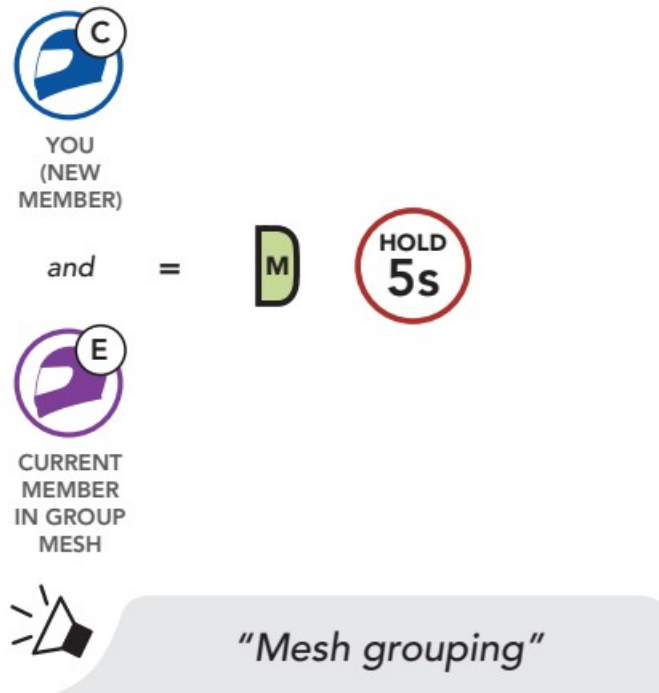
Group Mesh is a closed group intercom function that allows users to join, leave, or rejoin a group intercom conversation without pairing each headset. Up to 24 users can all be connected in each private group.

Creating a Group Mesh

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



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



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

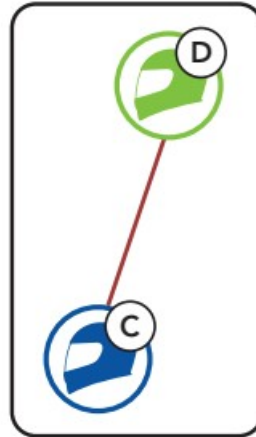


"Group Mesh"

Open Mesh



Group Mesh



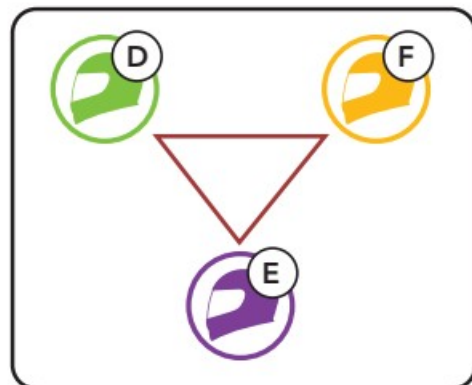
Joining an Existing Group Mesh

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

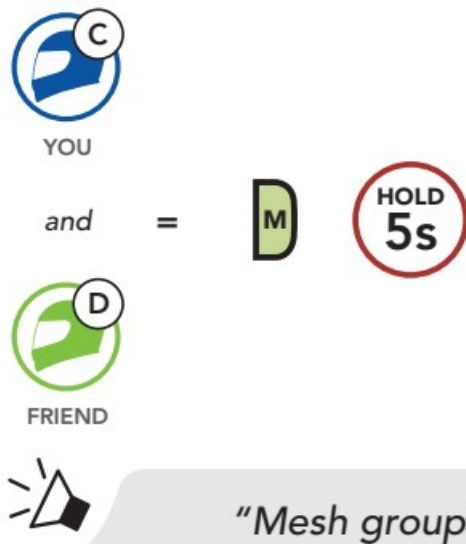
New Members



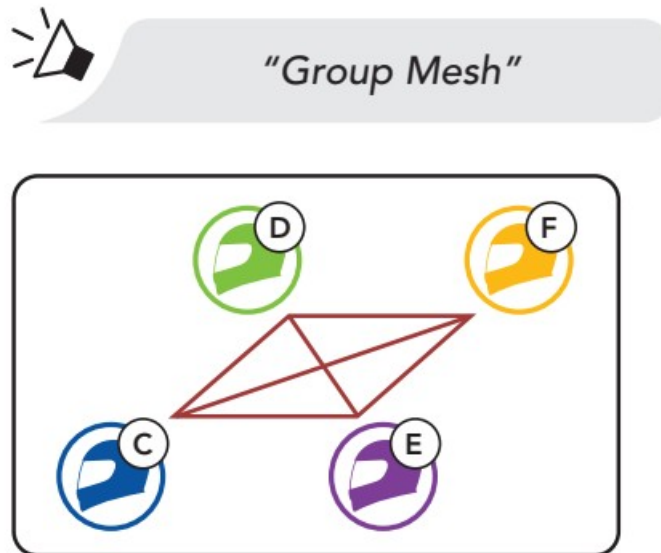
Existing Group Mesh and Current Members



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

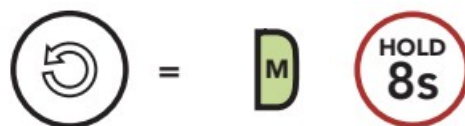


2. The headsets complete Mesh Grouping. The new members will hear a voice prompt as their headsets automatically switch from Open Mesh to Group Mesh.



Reset Mesh

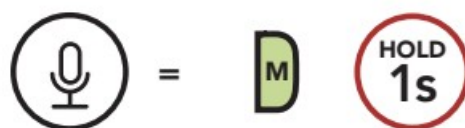
If a headset in an Open Mesh or Group Mesh resets the Mesh, it will automatically return to Open Mesh (default: channel 1).



Enable/Disable Mic (Default: Enable)

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

Enable/Disable the Microphone

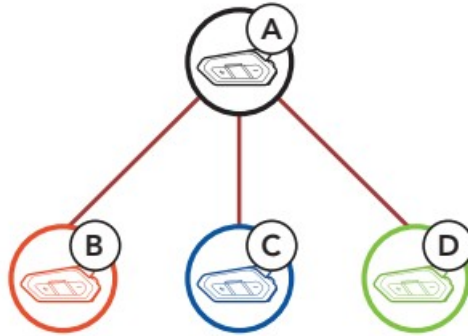


Bluetooth Intercom

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

Intercom Pairing


There are two ways to pair the headset.





Using the Smart Intercom Pairing (SIP)

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

1. Pair the mobile phone with the headset.


2. Open the SENA MOTORCYCLES App and tap  (Smart Intercom Pairing Menu).

3. Scan the QR code displayed on your friend (B)'s mobile phone.

- Your friend (B) can display the QR code on the mobile phone by tapping  > QR code () on the SENA MOTORCYCLES App.



4. Tap Save and check that your friend (B) is paired with you (A) correctly.

5. Tap Scan () and repeat steps 3-4 to pair with Intercom Friends (C) and (D).

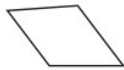
Note: The Smart Intercom Pairing (SIP) is not compatible with Sena products that use Bluetooth 3.0 or below.

Using the Button



and

=



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



Blinking



"Intercom pairing"

Turns blue



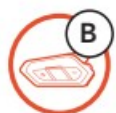
Note: Repeat the step above to pair with Intercom Friends C & D.

Two-Way Intercom

Last-Come, First-Served



YOU



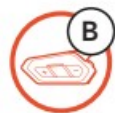
Intercom Friend 1



YOU



Intercom Friend 1



Intercom Friend 2



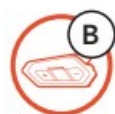
YOU



Intercom Friend 1



Intercom Friend 2



Intercom Friend 3

Start/End with Intercom Friend 1



=



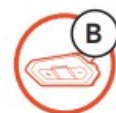
Start/End with Intercom Friend 2



=



Start/End with Intercom Friend 3

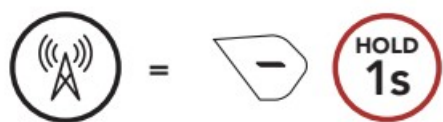


=

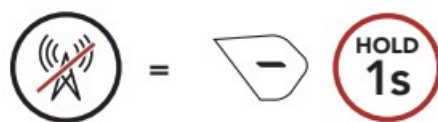


FM Radio

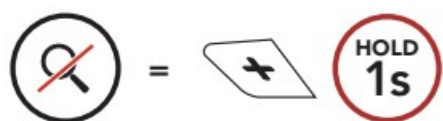
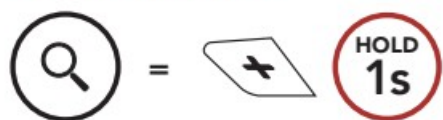
FM Radio On



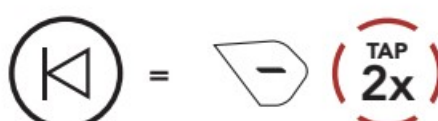
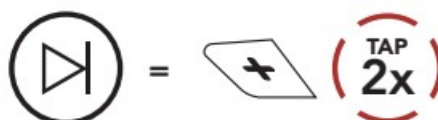
FM Radio Off



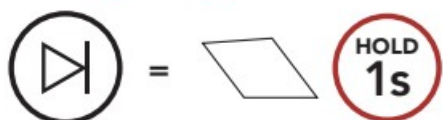
Scan Stations



Seek Stations



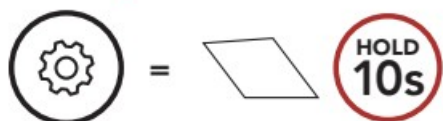
Navigating Preset Stations



Configuration Menu

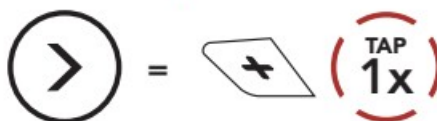


Accessing the Headset Configuration Menu



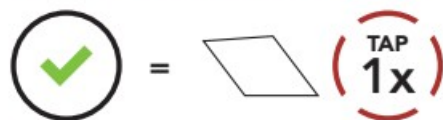
"Configuration menu"

Navigating Between Menu Options



"[Menu prompt]"

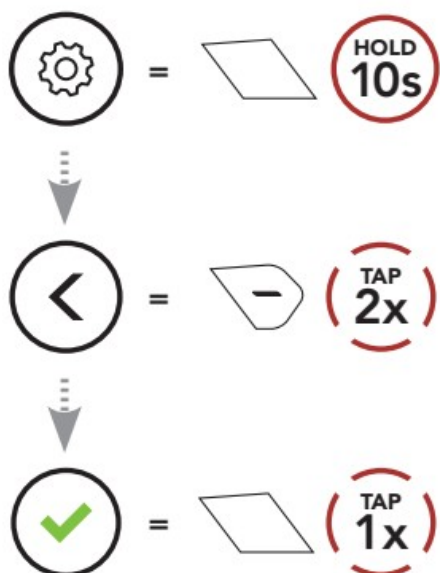
Execute Menu Options



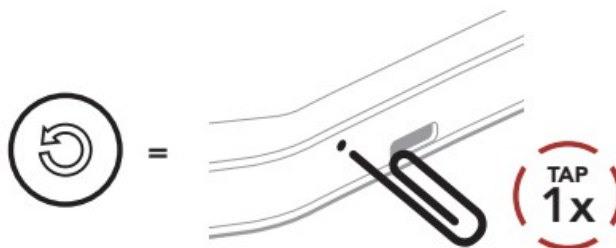
"[Menu prompt]"

Troubleshooting












Factory Reset































Fault Reset



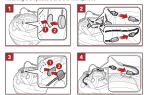
Note: Fault Reset will not restore the headset to factory default settings.

TYPE	OPERATION	BUTTON COMMANDS
 Basic Operations	Power on / Power off	 
	Volume up / Volume down	 or 
 Mobile Phone	Answer phone call	
	End phone call	
	Reject phone call	
 Siri and Google Assistant	Activate the Siri or Google Assistant	

	Play/Pause music	 
	Track forward	 
	Track backward	 
	FM radio on/off	 
	Select preset	 
	Seek forward/ backward	 or  
	Scan up FM band/ stop scanning	 
	Mesh Intercom on/off	 
	Channel setting	 
	Mesh Grouping	 
	Reset Mesh	 
	Enable/Disable Mic	 

QUICK START GUIDE

Unboxing the Headset and the Microphone



Mesh Intercom Antenna

Put the Mesh Intercom Antenna correctly as follows:



QUICK START GUIDE

Downloadable Sena Software

Download the SEN50R INTERCOM App on Google Play Store or App Store



Download the following bundle of materials



NOTICE

- The Quick Start Guide Version 2.0.0 explains how to operate the SEN50R with firmware version 2.0.0 or higher.
- For the operation of the SEN50R with a firmware version lower than 2.0.0, refer to the Quick Start Guide Version 1.0.0.

QUICK START GUIDE

Basic Operations



Checking the Battery Level

Indicators on the front display of the headset are:

Visual Method



100% - [Full bar]

80% - [80% bar]

60% - [60% bar]

QUICK START GUIDE

Phone Pairing

1. Press the [Pairing] button on the headset.
2. Select "Pairing" on the phone screen.
3. Select "Sena" in the list of Bluetooth devices detected.



- The headset will enter the Phone Pairing mode automatically when it is ready to be paired.
- For more information on phone pairing, refer to the User's Guide.

QUICK START GUIDE

Mobile Phone



Siri and Google Assistant

Activate Siri or Google Assistant installed on your Smartphone



QUICK START GUIDE

Music Controls



Mesh Intercom™

When Mesh Intercom is enabled, the SEN50R will automatically connect to nearby SEN50R units and allow them to talk to each other by pressing the Mesh Intercom button.



QUICK START GUIDE

Open Mesh™

When Mesh Intercom is enabled, the headset will be in Open Mesh. Mesh Intercom button is used to talk to nearby units and talk to others in the same Open Mesh (or not).

Channel Setting (Default: channel 1)

If the Open Mesh connection mode is enabled, the headset will be in Open Mesh. Mesh Intercom button is used to talk to nearby units and talk to others in the same Open Mesh (or not).

QUICK START GUIDE

Enter into the Channel Setting



Navigate between Channels

Press the [Channel] button to navigate between channels.



Save the Channel

Press the [Save] button to save the channel.



Note: To find the Channel Setting, see the User's Guide or the Sena Device Manager.

QUICK START GUIDE

Group Mesh™

Group Mesh is a closed group intercom function that allows users to talk to each other in a closed group without needing pressing mesh intercom. Up to 20 units can be connected in each private group.

Creating a Group Mesh

Creating a Group Mesh requires one or more Open Mesh units.



1. Open the Mesh Pairing screen on the Open Mesh.



QUICK START GUIDE

2. The headset will enter the Mesh Pairing mode and automatically switch to the Open Mesh or Group Mesh.



Joining an Existing Group Mesh

Press the [Join] button to join an existing Group Mesh.

Head Assembly	
Head Stock	
Headstock Assembly	
Headstock yoking	
Headstock yoking	

References

-  [The Best Motorcycle & Action Sport Bluetooth Devices | Sena](#)

Manuals+.