

SENA

USER GUIDE

Firmware Version: 1.2.x

Last updated on Jan 30, 2026

SUMMIT X

SNOW SPORTS COMMUNICATION SYSTEM



The firmware version 1.2.x indicates that this manual is applicable to all firmware updates within the version 1.2 series.

QUICK REFERENCE

 : (+) button

 : Mesh Intercom button

 : (-) button

 : Center button

Type	Operation	Button	Duration
Basic operations	Power on	 & 	Press for 1 second
	Power off	 & 	Single tap
	Volume up/down	 or 	Single tap
Phone	Phone pairing		Press for 5 seconds
	Answer phone call		Single tap
	End phone call		Press for 2 seconds
	Reject phone call		Press for 2 seconds
	Activate voice assistant		Press for 3 seconds
	Speed dial		Press for 3 seconds
	Play/Pause music		Press for 1 second
	Track forward/back	 or 	Press for 1 second
Mesh Intercom™	Mesh Intercom on/off		Single tap
	Mute/unmute mic		Press for 1 second
	Channel selection		Double tap
	Mesh grouping		Press for 5 seconds
	Mesh Reach-Out request		Triple tap
	Reset mesh		Press for 8 seconds
Wave Intercom™	Wave Intercom on		Double tap
	Wave Intercom off		Single tap
	Switch to Mesh Intercom		Single tap
Troubleshooting	Factory reset		Press for 10 seconds
	Fault reset	 & 	Press for 10 seconds

BEFORE GETTING STARTED

■ Sena Outdoor App

Download the Sena Outdoor app from the Google Play Store or the App Store.



■ WAVE Intercom App

Download the WAVE Intercom app from the Google Play Store or the App Store.



For detailed information on the Wave Intercom, please refer to the Wave Intercom User Guide at sena.com.

CLICK ANY SECTION TO BEGIN



ABOUT THE
SUMMIT X



INSTALLATION



BASIC OPERATION



USING WITH A
SMARTPHONE



MESH INTERCOM



WAVE
INTERCOM



AUDIO
MULTITASKING



FIRMWARE UPDATE



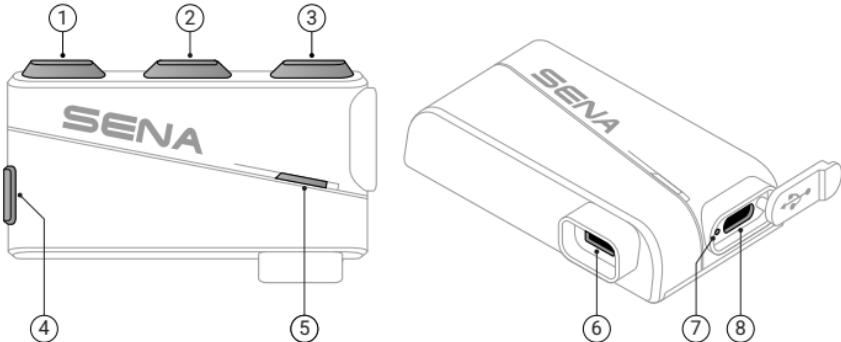
TROUBLESHOOTING



01 ABOUT THE SUMMIT X

Key Features

- Mesh Intercom 3.0 with improved sound quality, a more robust connection, and extended talk time
- Dual version Mesh: Mesh 2.0 for backward compatibility
- Wave Intercom compatible
- Professional studio quality sound with integrated speakers
- Advanced Noise Control™
- Bluetooth version 5.2
- Over-the-Air (OTA) firmware update



- ① (+) button
- ② Center button
- ③ (-) button
- ④ Mesh Intercom button
- ⑤ Status LED
- ⑥ Speakers & microphone connection
- ⑦ Charging LED
- ⑧ USB-C charging port

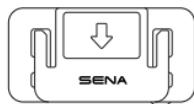
Package Contents



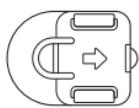
SUMMIT X



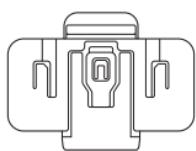
Speaker



Glued surface mounting plate for the main unit



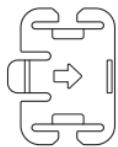
Glued surface mounting plate for the microphone



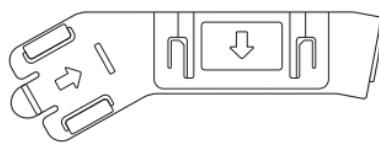
Clip mount for the main unit



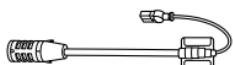
Clip mount for the microphone



Short strap mount



Long strap mount



Wired-boom microphone



Speaker pads



Velcro pads for speakers



Microphone sponges



USB-C charging cable

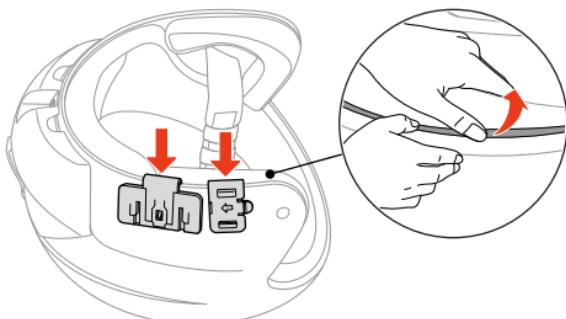
02 INSTALLATION

Main Unit & Microphone

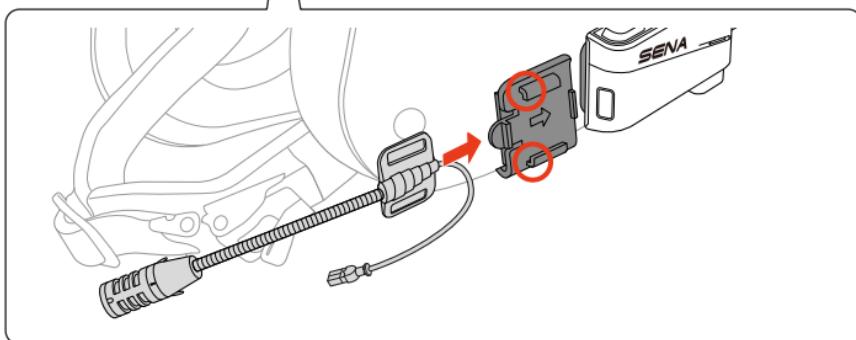
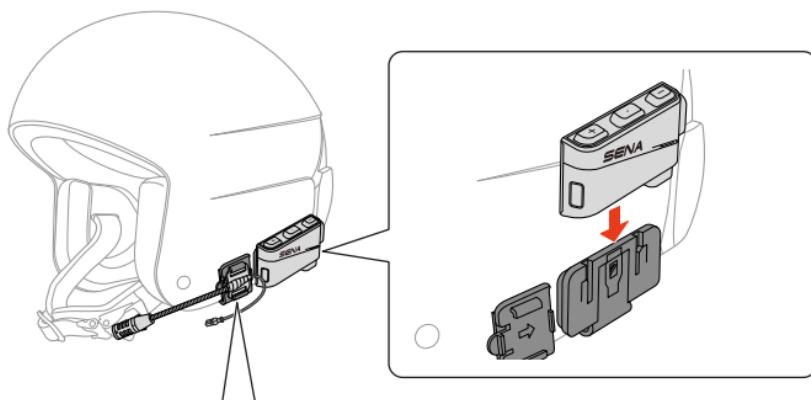
Select a mount type that fits your helmet type.

Clip Mount

1.



2.

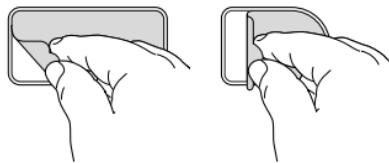


Glued Surface Mounting Plate

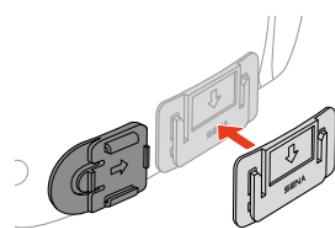
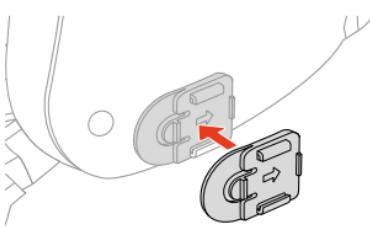
1.



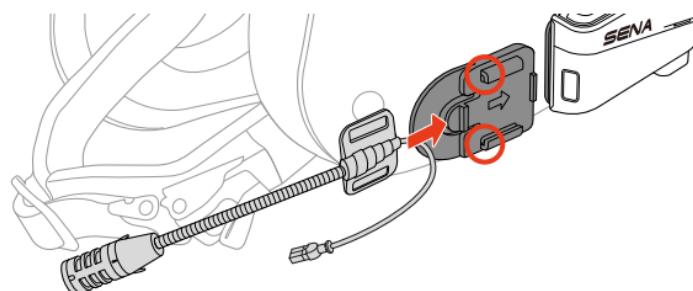
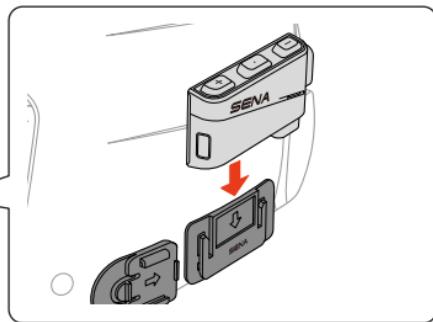
2.



3.

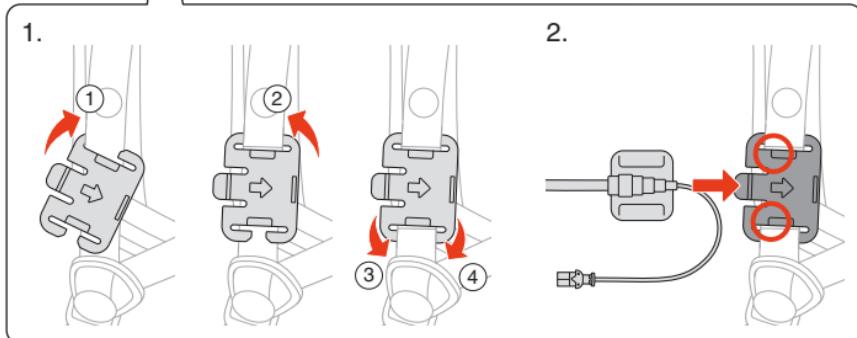
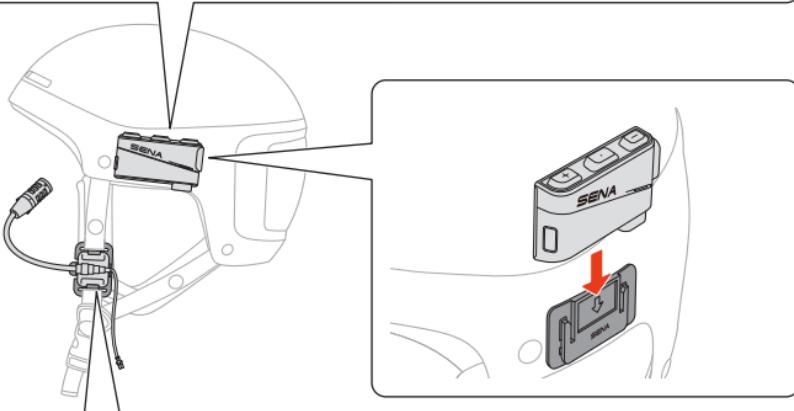
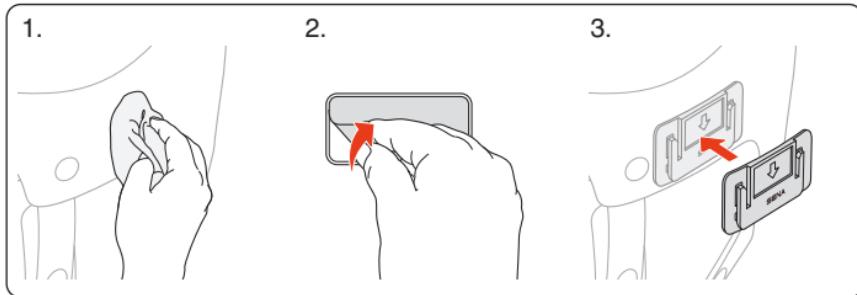


4.



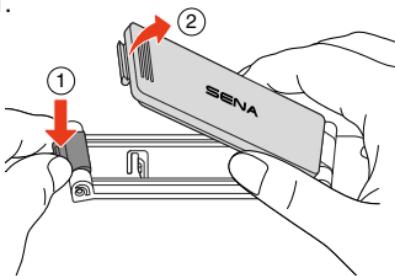
Short Strap Mount

The SUMMIT X comes with two types of strap mounts that can be attached to your helmet straps.

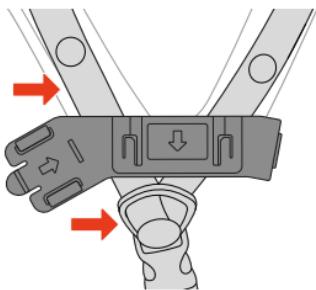


Long Strap Mount

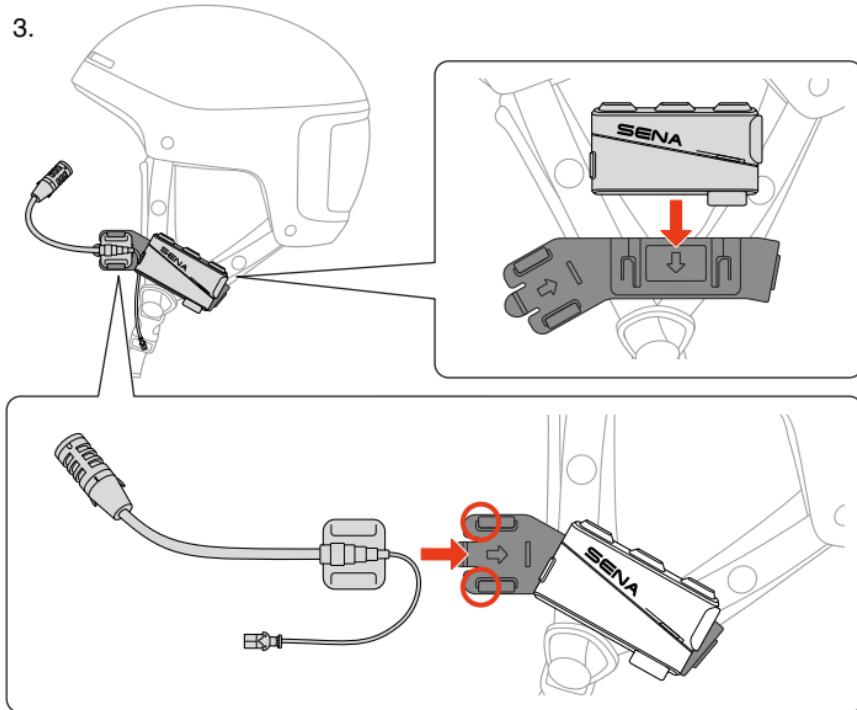
1.



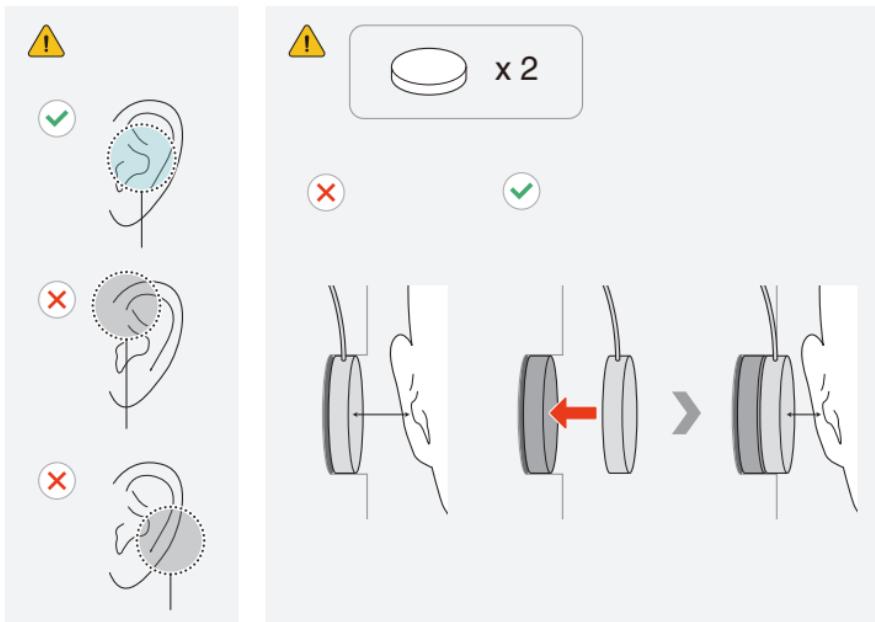
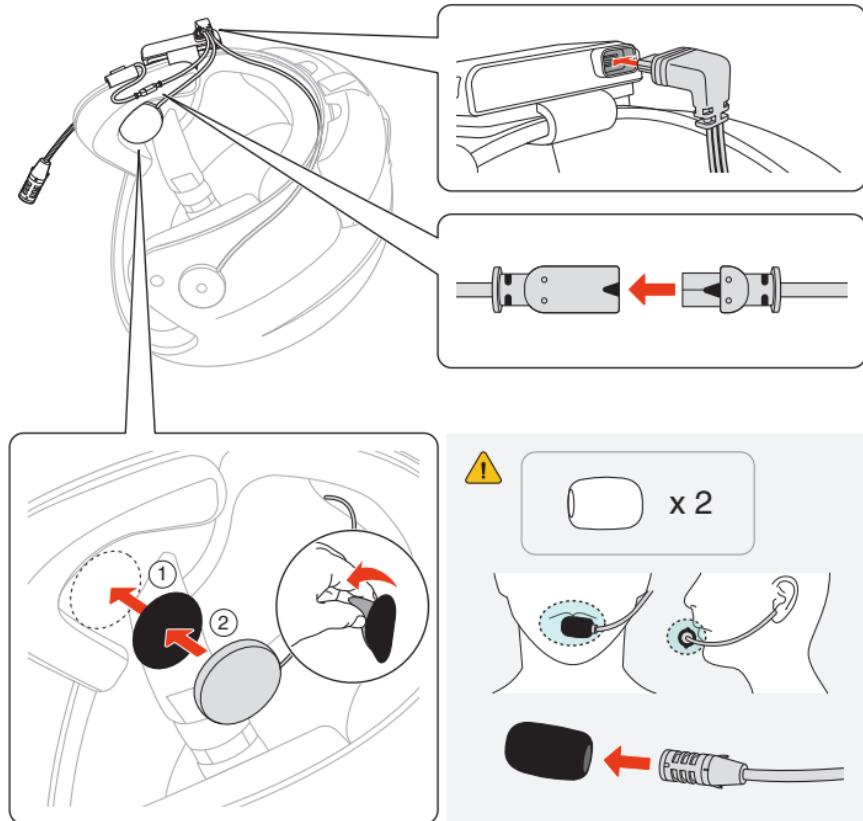
2.



3.



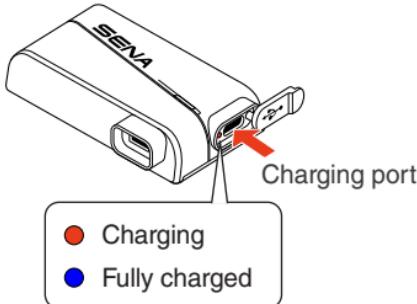
Speaker



03 BASIC OPERATION

	Tap Tap the button the specified number of times
	Press and Hold Press and hold the button for the specified amount of time
	Voice Prompt
	LED

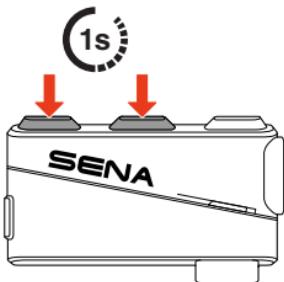
Charging



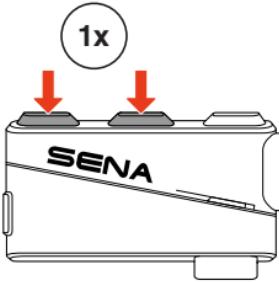
It takes 2 hours to fully charge.

- The SUMMIT X features fast charging, delivering 3.5 hours of Mesh Intercom with just a 20-minute charge.
- Any third-party USB charger can be used, as long as it is approved by the FCC, CE, IC, or other locally recognized regulatory agencies.
- Using a non-approved charger may cause fire, explosion, leakage, and other hazards, potentially reducing the battery's lifespan or performance.

Power On

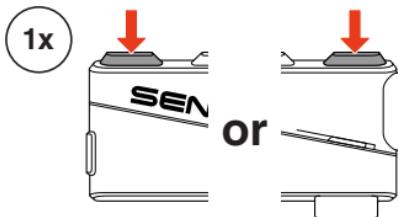


Power Off



- The SUMMIT X enters deep sleep mode if it remains motionless for 2 minutes.
- If any motion is detected within 3 days, the SUMMIT X wakes up. Otherwise, it powers off completely after 3 days.
- To enable or disable this function, go to Device Settings and toggle Auto On/Off in the Sena Outdoor app.

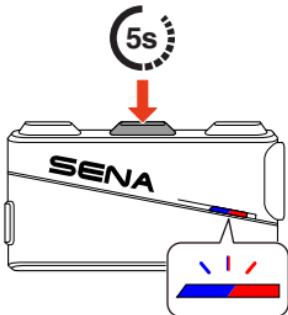
Volume



04 USING WITH A SMARTPHONE

Phone Pairing

1.



🔊 "Phone pairing"

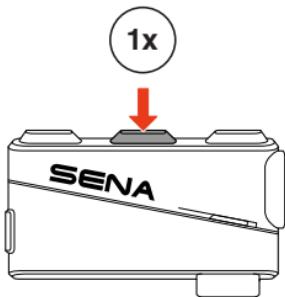
2.



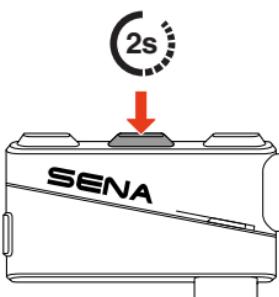
- When you turn on the SUMMIT X for the first time or reboot it after a factory reset, the SUMMIT X will automatically enter phone pairing mode.
- To cancel phone pairing, press any button.

Making and Answering Calls

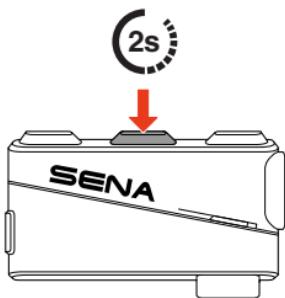
Answer a Call



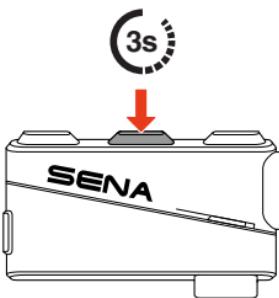
End a Call



Reject a Call



Activate Voice Assistant



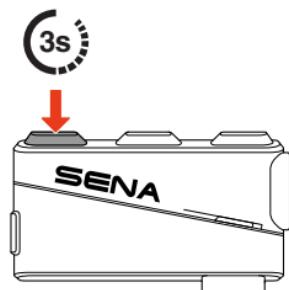
Speed Dial

Assign Speed Dial Presets

Speed dial presets can be assigned using the Sena Outdoor app.

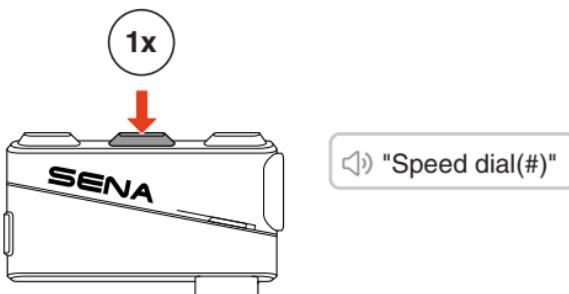
Use Speed Dial Presets

1. Enter the speed dial menu.



🔊 "Speed dial"

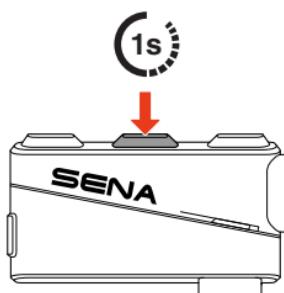
3. Tap the center button to confirm.



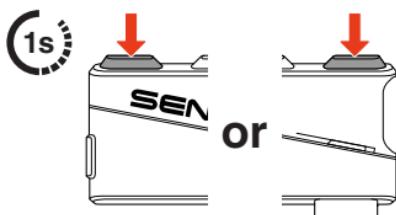
🔊 "Speed dial(#)"

Music

Play/Pause Music



Track Forward/Backward

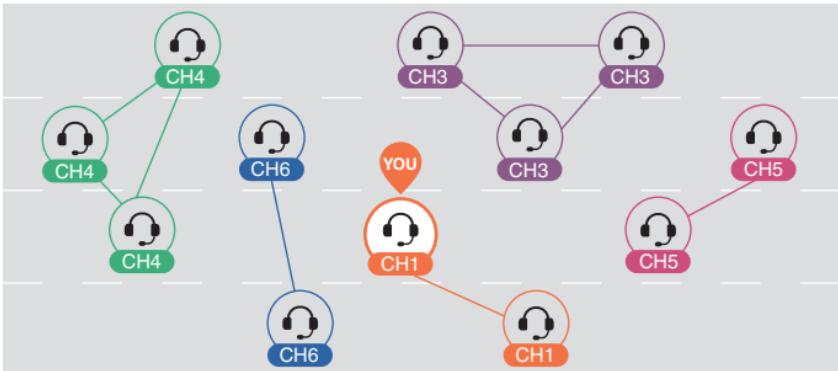


05 MESH INTERCOM

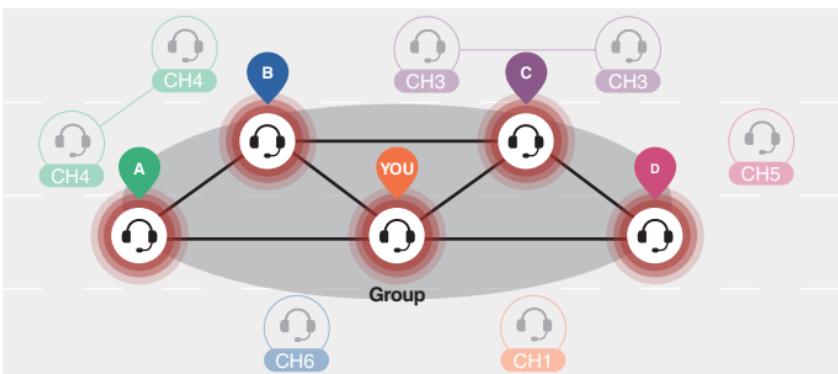
The SUMMIT X provides two Mesh Intercom modes:

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

Open Mesh



Group Mesh



Mesh Version Switch

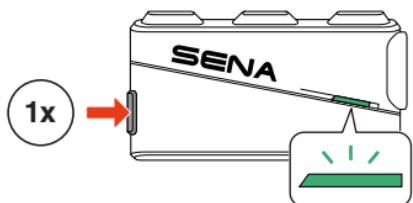
Switch to Mesh 2.0 for Backward Compatibility

Mesh 3.0 is the latest Mesh Intercom technology, but to communicate with legacy products using Mesh 2.0, please switch to Mesh 2.0 using the Sena Outdoor app.

Open Mesh

You can freely communicate with virtually unlimited users in each of the 6 available channels. The default Mesh Intercom channel is 1.

Mesh Intercom On/Off



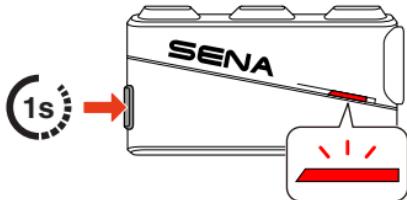
🔊 On: "Mesh intercom on, Open Mesh, channel 1"



🔊 Off: "Mesh intercom off"

Mute/Unmute Mic

Press the Mesh Intercom button for 1 second to mute/unmute the microphone during Mesh Intercom communication.



🔊 Mute: "Mic off"



🔊 Unmute: "Mic on"

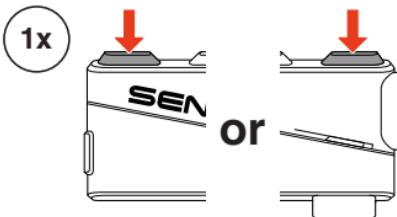
Channel Selection

1. Enter the channel setting.



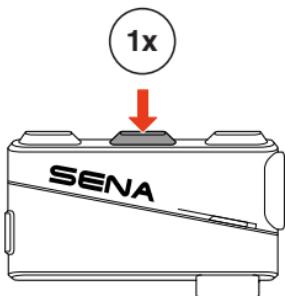
🔊 "Channel setting, 1"

2. Navigate between channels.



🔊 "#"

3. Confirm and save the channel.



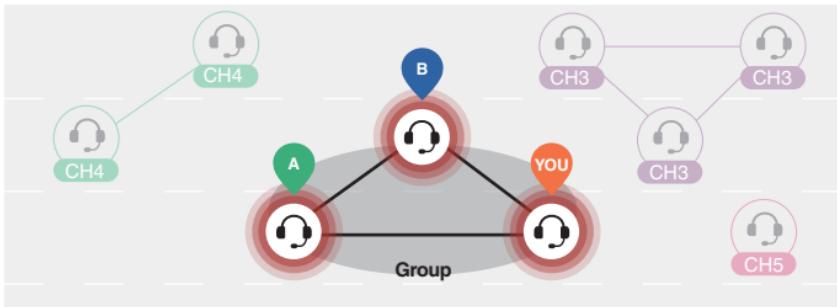
🔊 "Channel is set,
channel #"

- The channel will be automatically saved if no buttons are pressed for 10 seconds on a specific channel.
- The channel will be saved even if the SUMMIT X is turned off.

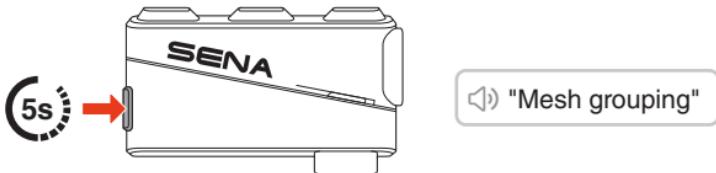
Group Mesh

By using group mesh, a private conversation group can be created for up to 24 participants.

Create a Group Mesh



1. Users (You, A, and B) enter the mesh grouping by pressing the Mesh Intercom button for 5 seconds while staying in the open mesh. They don't need to be on the same open mesh channel to create a group mesh together.



2. When mesh grouping is completed, it automatically switches from open mesh to group mesh.

"Group Mesh"

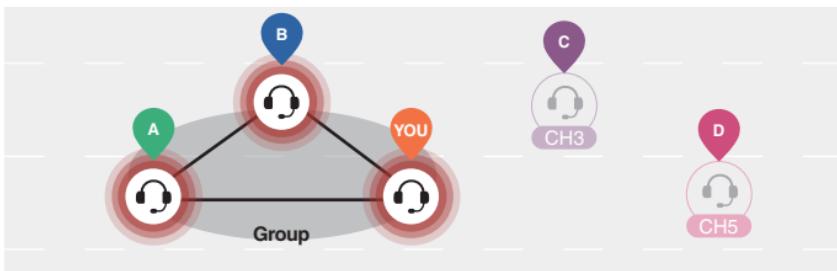
- If you want to cancel mesh grouping, tap the Mesh Intercom button.



- If the mesh grouping is not successfully completed within 30 seconds, users will hear a voice prompt saying, "Grouping failed."

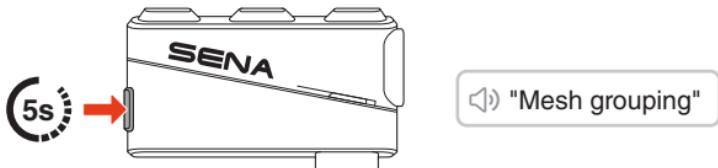
Join an Existing Group Mesh

When you are in a group mesh, you can invite other users in open mesh to join the group.



You are already in group mesh with A and B, and the other users, C and D, are in open mesh.

1. You and the other users, C and D, enter mesh grouping by pressing the Mesh Intercom button for 5 seconds.



2. When mesh grouping is completed, the other users, C and D, automatically join the group mesh while leaving the open mesh.

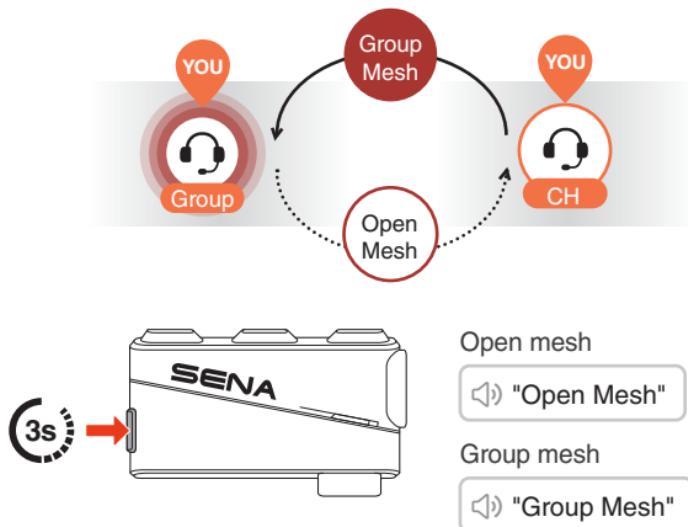


New participants (C and D)

- If the mesh grouping is not successfully completed within 30 seconds, the current user (You) will hear a low tone double beep and the new users (C and D) will hear a voice prompt saying, "Grouping failed."

Toggle Open/Group Mesh

You can toggle between open mesh and group mesh without resetting the mesh.



- If you have never participated in group mesh, you cannot toggle between open mesh and group mesh. You will hear a voice prompt saying, "No group available."

Mesh Reach-Out Request

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

1. If you want to send or receive a Mesh Reach-Out request, you need to enable it in the Sena Outdoor app.
2. You can send a Mesh Reach-Out request using the Mesh Intercom button or the Sena Outdoor app.

Caller



Caller: "Mesh reach-out request"

Nearby Friends: "Mesh intercom requested"

3. Friends who receive the Mesh Reach-Out request need to manually turn on their Mesh Intercom.

* Up to 330 ft in open terrain

Reset Mesh

If the SUMMIT X resets the mesh while in open mesh or group mesh, it will automatically return to open mesh, channel 1.



"Reset Mesh"

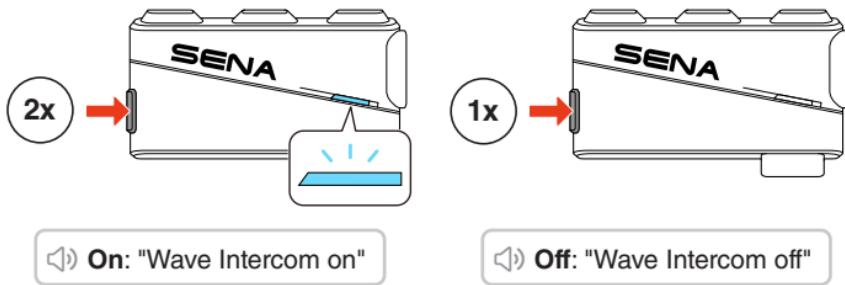
06 WAVE INTERCOM

Wave Intercom enables open communication using cellular data. For detailed information, please refer to the Wave Intercom User Guide on sena.com.

Wave Intercom On/Off

Open the WAVE Intercom app, then double-tap the Mesh Intercom button to join Wave Intercom.

- You must open the app before starting Wave Intercom.

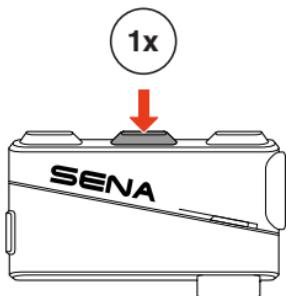


When you start Wave Intercom, you will automatically connect with users in the Wave Zone. The Wave Zone covers a 1-mile radius in North America and a 1.6-km radius in Europe.

To end Wave Intercom, single-tap the Mesh Intercom button.

Switch between Wave Intercom and Mesh Intercom

You can easily switch between Mesh Intercom and Wave Intercom with a single tap on the center button.



Wave to Mesh: "Wave Intercom off. Mesh Intercom on."

Mesh to Wave: "Mesh Intercom off. Wave Intercom on."

07 AUDIO MULTITASKING

Audio multitasking on the SUMMIT X allows you to listen to music and GPS turn-by-turn instructions while having a Mesh Intercom conversation.

For more details, go to Device Settings on the Sena Outdoor app to configure the settings.

Background Volume

Background audio, such as music playback, will automatically lower in volume during an active intercom conversation. You can adjust the volume reduction percentage in the app under 'Background Volume'.

08 FIRMWARE UPDATE

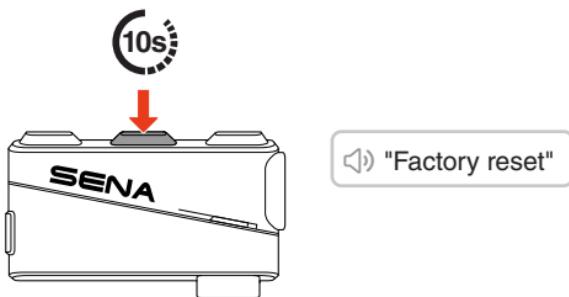
Over-the-Air (OTA) Update

You can update the firmware via Over-the-Air (OTA) directly from the settings in the Sena Outdoor app.

09 TROUBLESHOOTING

Factory Reset

To restore the SUMMIT X to its factory default settings, simply use the factory reset feature.

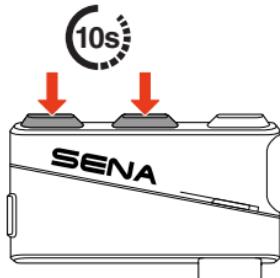


Fault Reset

If the SUMMIT X is on but not responding, you can perform a fault reset to restore normal functionality.

Ensure the USB-C charging cable is disconnected, then press the center and (+) button simultaneously for 10 seconds until it restarts.

All settings will remain unchanged.



SENA

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