

USER GUIDE

Firmware Version: 1.0.x Last updated on Jul 30, 2025

OUTRUSH 2

SMART FLIP-UP HELMET WITH MESH COMMUNICATION





QUICK REFERENCE

★ : (+) button
 M : Mesh Intercom button
 C : (-) button
 C : Center button

| Туре | 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 | M | Single tap |
| | Mute/unmute mic | M | Press for 1 second |
| | Channel selection | M | Double tap |
| | Mesh grouping | M | Press for 5 seconds |
| | Mesh Reach-Out request | M | Triple tap |
| | Reset mesh | M | Press for 8 seconds |
| Wave Intercom™ | Wave Intercom on | M | Double tap |
| | Wave Intercom off | M | Single tap |
| | Switch to Mesh Intercom | © | Single tap |
| Configuration menu | | © | Press for 10 seconds |



BEFORE GETTING STARTED

Sena Motorcycles App

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





WAVE Intercom App

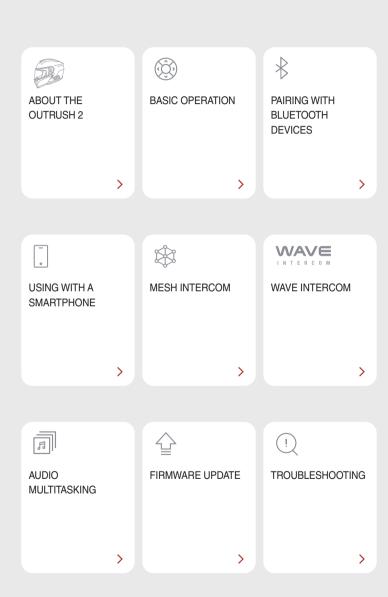
Download the WAVE Intercom app from the Google Play Store or the App Store.





For detailed information on the Wave Intercom, please refer to the Wave Intercom User Guide at $\underline{\text{sena.com}}$.

CLICK ANY SECTION TO BEGIN

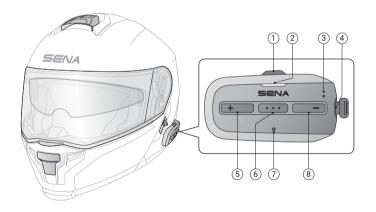




11 ABOUT THE OUTRUSH 2

Key Features

- Mesh Intercom 3.0 delivers 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 Mesh Intercom button
- ③ Charging LED
- (+) button
- ? Reset pinhole

- Status LED
- 4 USB-C charging port
- 6 Center button
- ⊗ (−) button



■ Package Contents





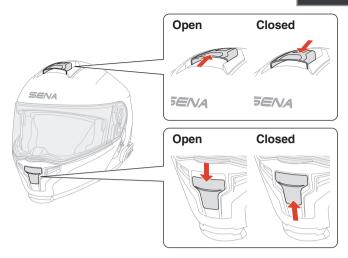


Microphone sponges



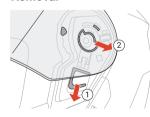
USB-C charging cable







Removal



Installation

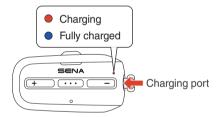




02 BASIC OPERATION

| (1x) | Tap Tap the button the specified number of times | |
|----------|---|--|
| (1s. | Press and Hold Press and hold the button for the specified amount of time | |
| () II II | Voice Prompt | |
| SENA | LED | |

Charging



It takes 2.5 hours to fully charge.

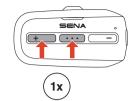
- The OUTRUSH 2 features fast charging, delivering 3.5 hours of Mesh Intercom with just a 20-minute charge.
- Safe power mode provides continuous power without battery charging to ensure safe, uninterrupted use on the road.
- Any third-party USB charger can be used, as long as it is approved by the FCC, 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

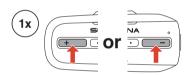


Power Off



- The OUTRUSH 2 enters deep sleep mode if it remains motionless for 2 minutes.
- If any motion is detected within 3 days, the OUTRUSH 2 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 Motorcycles app.

Volume

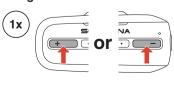


Configuration

Enter Configuration



Navigate



Confirm

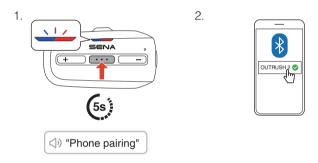




PAIRING WITH BLUETOOTH DEVICES

When using the OUTRUSH 2 with other Bluetooth devices for the first time, they need to be paired. The OUTRUSH 2 can pair with multiple devices, including two mobile phones and one GPS. However, it supports only one additional device, alongside a mobile phone, for simultaneous connection.

Phone Pairing



- When you turn on the OUTRUSH 2 for the first time or reboot it after a factory reset, the OUTRUSH 2 will automatically enter phone pairing mode.
- To cancel phone pairing, press any button.

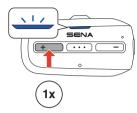


Second Mobile Phone Pairing

1.



2.



্ৰি) "Second mobile phone pairing"

3.



GPS Pairing

1.



2



3.





04 USING WITH A SMARTPHONE

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 Motorcycles app.

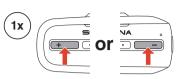


Use Speed Dial Presets

1. Enter the speed dial menu.



2. Navigate forward or backward through speed dial preset.



- 1) Last number redial
- ② Speed dial (1→2→3)
- ③ Cancel
- 3. Tap the center button to confirm.

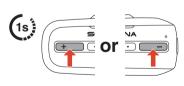


Music

I Play/Pause Music



Track Forward/Backward



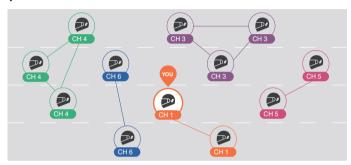


05 MESH INTERCOM

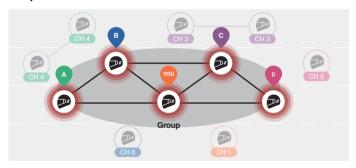
The OUTRUSH 2 provides two Mesh Intercom modes:

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

Open Mesh



Group Mesh





Mesh Version Switch

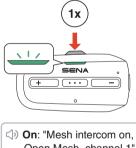
Switch to Mesh 2.0 for Backward Compatibility

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 Motorcycles 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



Open Mesh, channel 1"

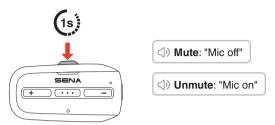


(i) Off: "Mesh intercom off"



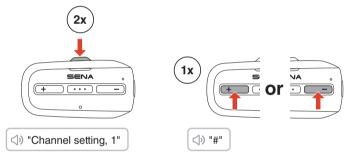
Mute/Unmute Mic

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

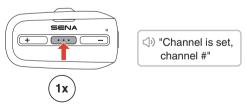


Channel Selection

- 1. Enter the channel setting.
- 2. Navigate between channels.



3. Confirm and save the channel.



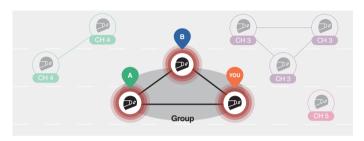
- The channel will be automatically saved if no buttons are pressed for 10 seconds on a specific channel.
- The channel will be saved even if the OUTRUSH 2 is turned off.



Group Mesh

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

Create a Group Mesh



 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.

্রি) "Group Mesh"



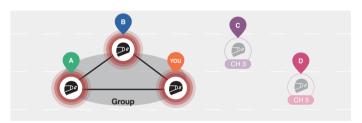
• If you want to cancel mesh grouping, tap the Mesh Intercom button.



 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.

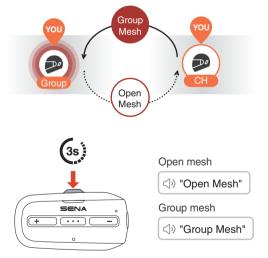
্র) "Group Mesh"

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 Motorcycles app.
- 2. You can send a Mesh Reach-Out request using the Mesh Intercom button or the Sena Motorcycles app.

Caller



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 OUTRUSH 2 resets the mesh while in open mesh or group mesh, it will automatically return to open mesh, channel 1.





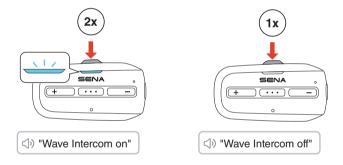
06 WAVE INTERCOM

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.



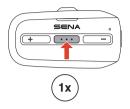
When you start Wave Intercom, you will automatically connect with users in the Wave Zone. The Wave Zone covers a 5-mile radius in North America and an 8-km radius in Europe.

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."
- (1) Mesh to Wave: "Mesh Intercom off. Wave Intercom on."
- When the app is in use, the Bluetooth Intercom becomes temporarily disabled.



07 AUDIO MULTITASKING

Audio multitasking on the OUTRUSH 2 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 Motorcycles 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

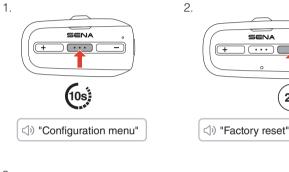
You can update the firmware via Over-the-Air (OTA) directly from the settings in the Sena Motorcycles app.



9 TROUBLESHOOTING

Factory Reset

To restore the OUTRUSH 2 to its factory default settings, simply use the factory reset feature.







Fault Reset

If the OUTRUSH 2 is on but not responding, you can perform a fault reset to restore normal functionality.

Use a clip to press the reset pinhole below the center button.

All settings will remain unchanged.



2x



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