



USER GUIDE

Firmware Version: 1.2.x

Last updated on Aug 12, 2025

NAUTITALK N2R

YACHTING HEADSETS CREW COMMUNICATION SYSTEM



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

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Sena Marine App

Download the **Sena Marine App** at [Google Play Store](#) or [App Store](#).



Sena Device Manager

Download the **Sena Device Manager** at [sena.com](#).



Sena Device Manager

- Device Configuration
- Firmware Update



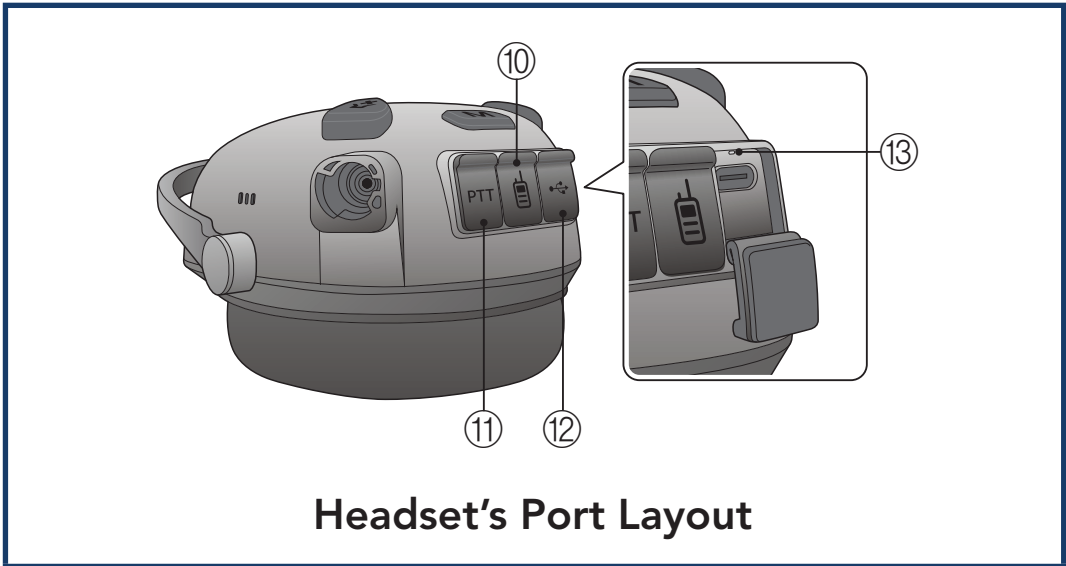
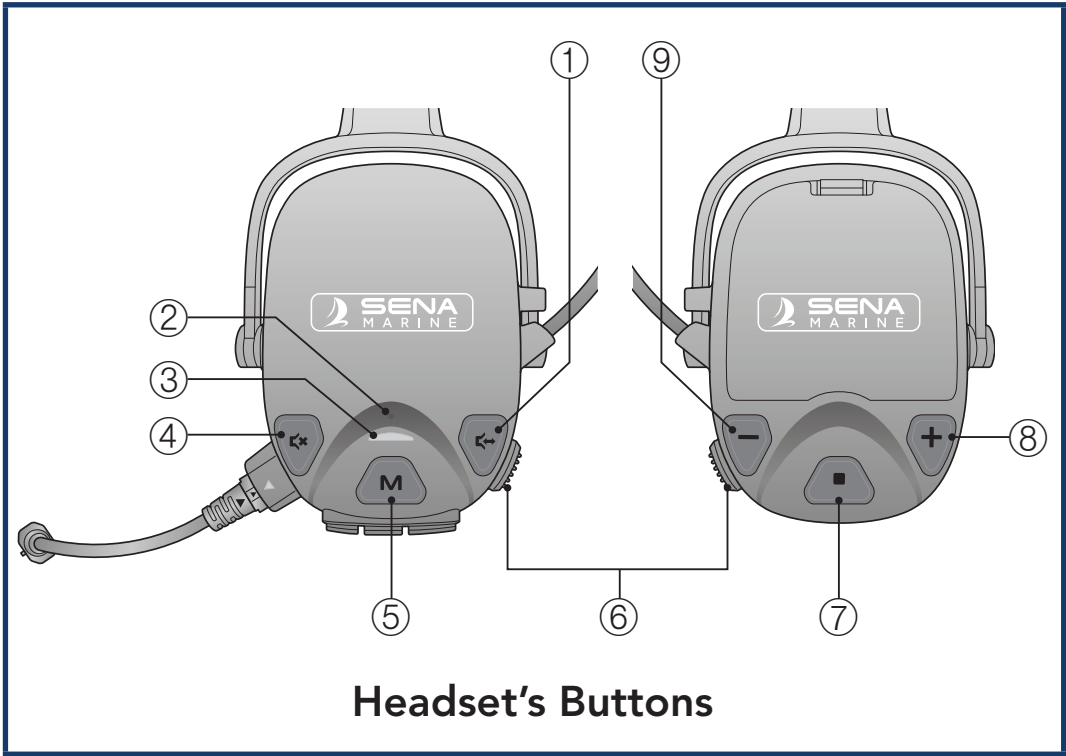
Sena Technologies, Inc.
Customer Support: [sena.com](#)

1. ABOUT THE NAUTITALK N2R

1.1 Product Features

- Mesh Intercom™ 3.0 - delivers improved sound quality, a more robust connection, and extended talk time
- Support for Two-Way Radio Connection
- Ambient Mode
- Advanced Noise Control™
- Audio Multitasking™
- Bluetooth® 5.0
- Sena Marine App

1.2 Product Details



- ① Ambient Button
- ② Pinhole Fault Reset Button
- ③ Status LED
- ④ MIC Button
- ⑤ Mesh Intercom Button
- ⑥ PTT Button
- ⑦ Multi-function Button
- ⑧ (+) Button
- ⑨ (-) Button
- ⑩ Two-way Radio Port
- ⑪ Wired PTT Button Port
- ⑫ DC Power Charging & Firmware Upgrade Port
- ⑬ Charging LED

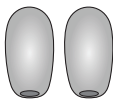
1.3 Package Contents



NAUTITALK N2R



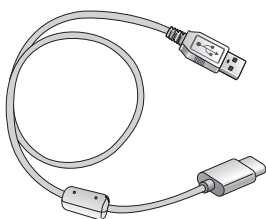
Microphone



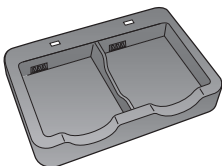
Microphone
Sponges



Rubber Rings
for Microphone
Sponge



USB Power &
Data Cable (USB-C)



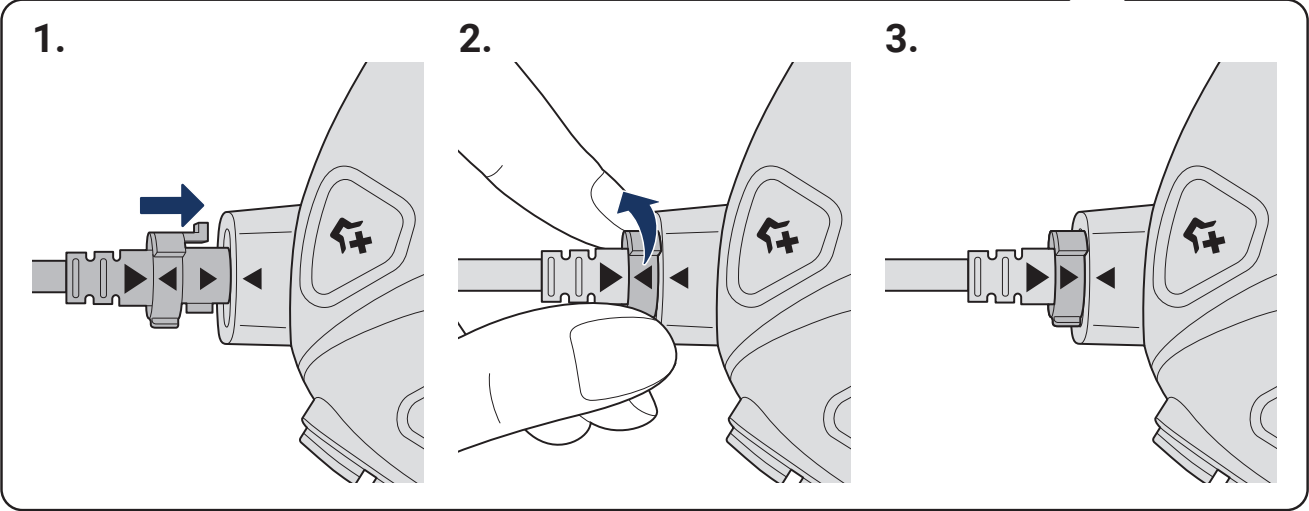
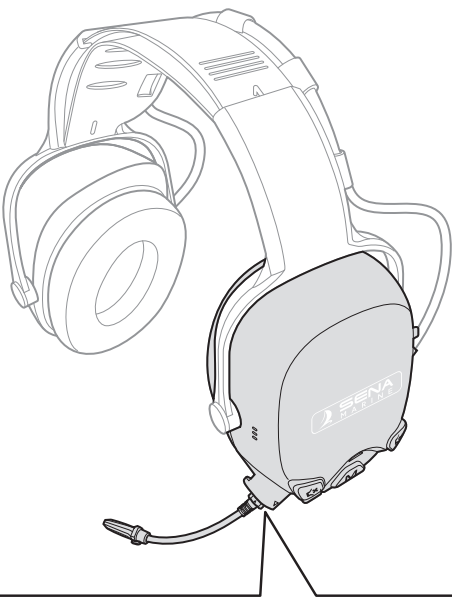
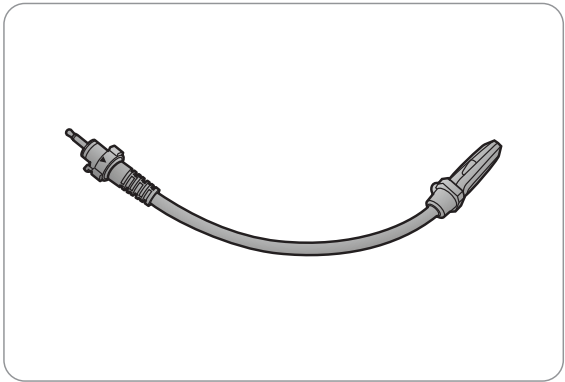
Dual Battery Charger

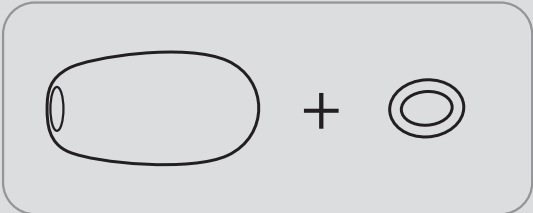



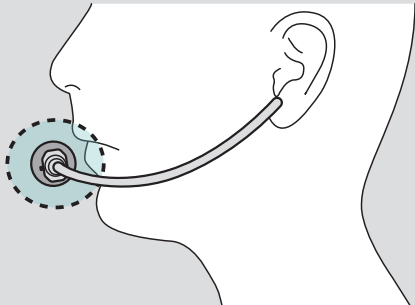
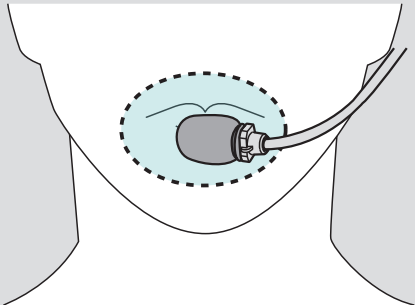
Rechargeable Battery

2. INSTALLATION

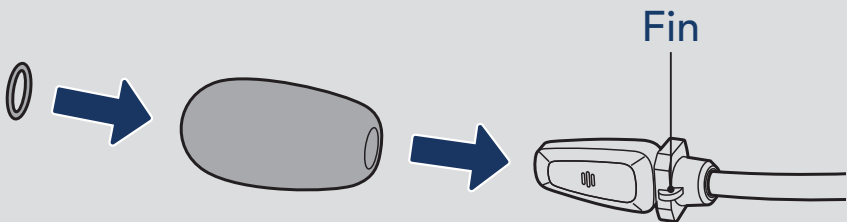
2.1 Microphone



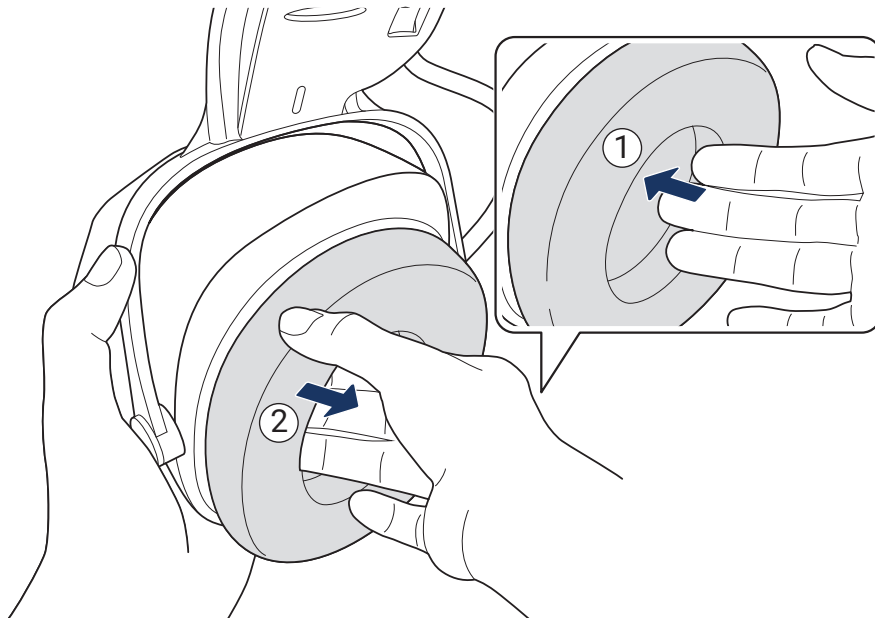




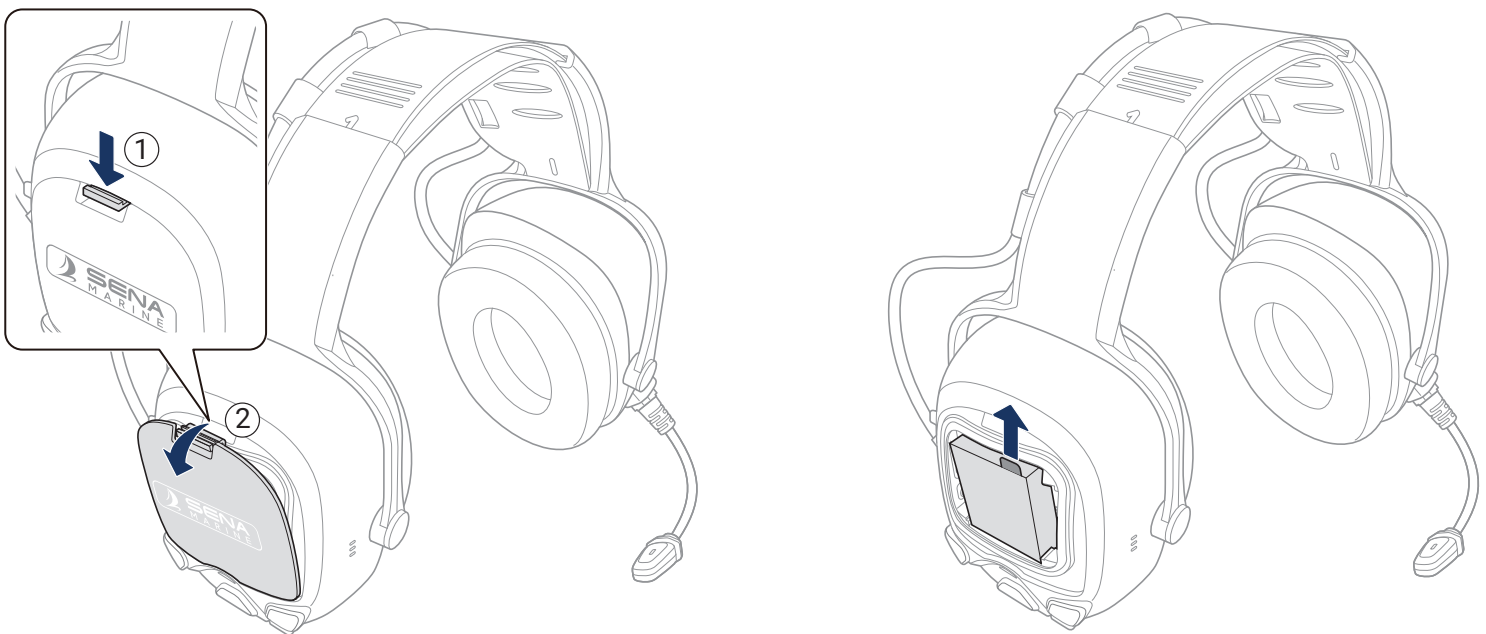
Adjust the direction of the microphone so that the **Fin** side of the microphone is facing outward, away from your lips.



2.2 Ear Pads



2.3 Battery



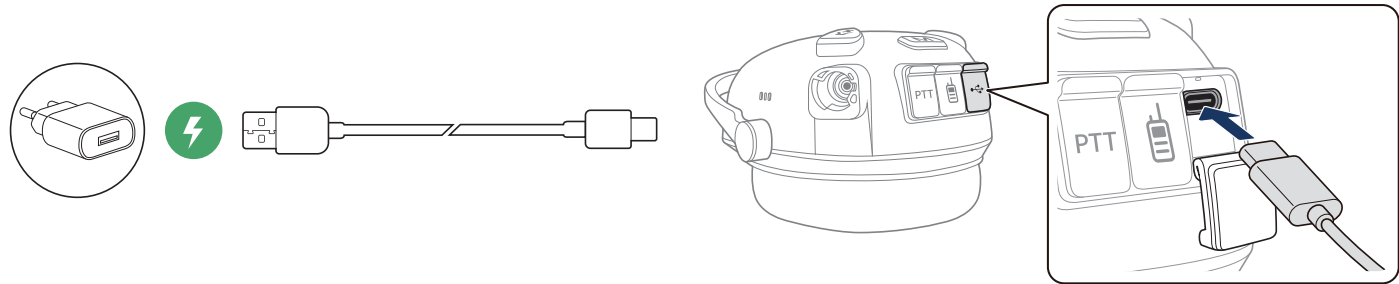
AAA Batteries

- If an alternative power source is needed, you can use three AAA batteries (sold separately).
- Performance may depend on battery manufacturers, and quality.
- Ensure to fit batteries with correct polarity.
- Do not mix battery manufacturers or old with new or rechargeable with non-rechargeable batteries.

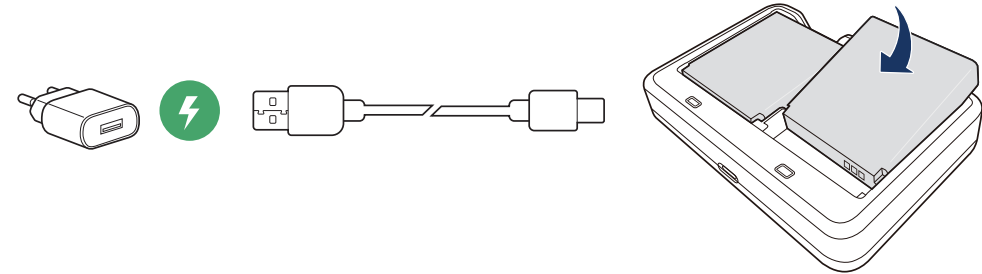
3. GETTING STARTED

3.1 Charging

Charging the Headset



Charging the Battery



Note:

- The headset includes a **Fast Charging** feature, allowing it to charge quickly over a short period of time. For example, a user can get up to 3.0 hours of Mesh communication after charging the headset for 20 minutes.
- Any 3rd party USB charger can be used with Sena products if approved by FCC, CE, IC, or other locally approved agencies.
- Using a non-approved charger may cause fire, explosion, leakage, and other hazards which may also reduce the lifetime or performance of the battery.

3.2 Legend



Tap button the specified number of times



Press and Hold button for the specified amount of time

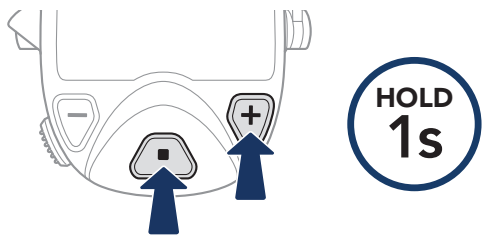


"Hello"

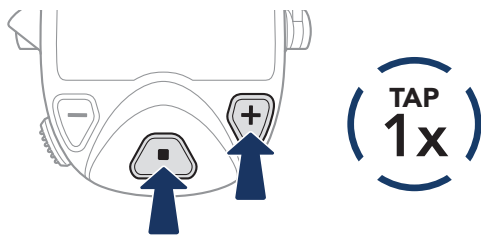
Audible prompt

3.3 Powering On and Off

Powering On

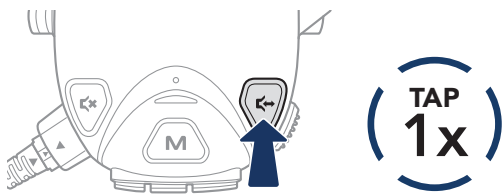


Powering Off



3.4 Ambient Mode (Default: Disabled)

With the help of **Ambient Mode**, you are able to hear ambient sound even if you are wearing the headset.

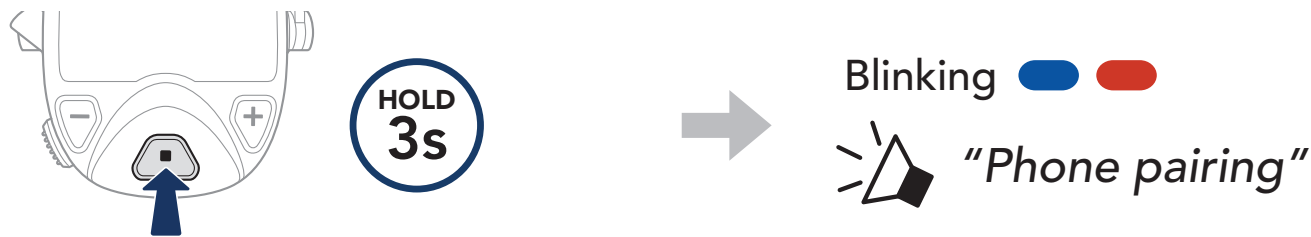


Note: The **Ambient Mode** has the highest priority, so other functions will be unavailable if the **Ambient Mode** is activated.

4. SMARTPHONE USAGE

4.1 Phone Pairing

- 1. Press and hold the **Multi-function Button** for **3 sec** until you hear "Phone Pairing."

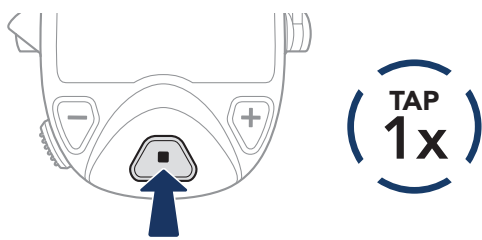


- 2. Select **NAUTITALK N2R** in the list of Bluetooth devices detected.

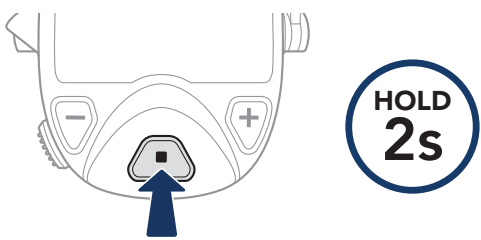


4.2 Making and Answering Calls

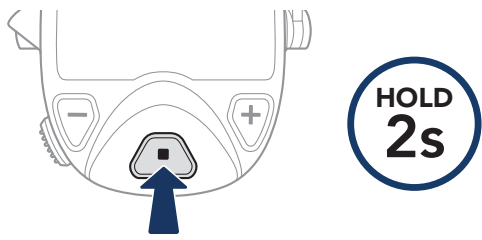
Answer a Call



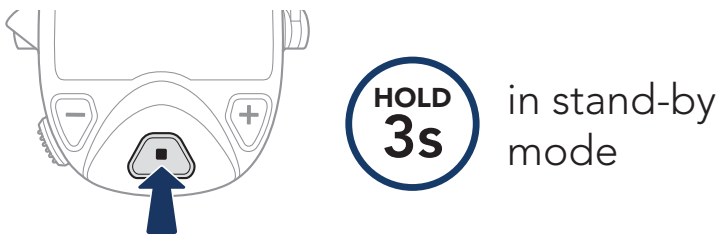
End a Call



Reject a Call



Call a Voice Assistant



4.3 Speed Dialing

4.3.1 Assigning Speed Dial Presets

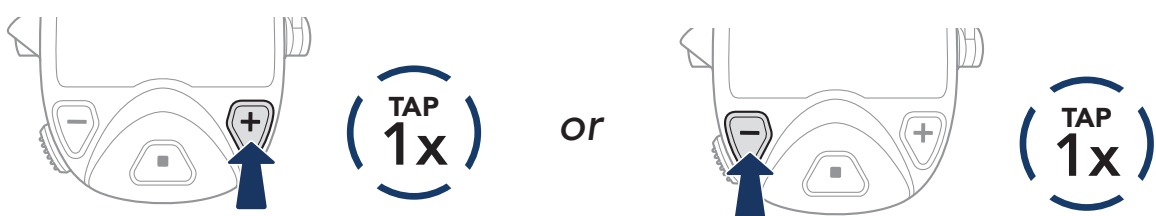
Speed Dial Presets can be assigned through the **Sena Marine App**.

4.3.2 Using Speed Dial Presets

1. Press and hold the **(+) Button** for **3 sec** until you hear “Speed dial.”



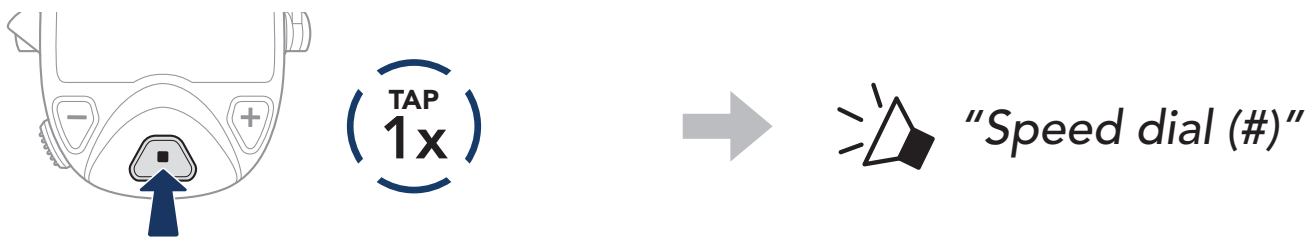
2. Navigate forward or backward by tapping the **(+) Button** or the **(-) Button**.



- (1) Last number redial
- (2) Speed dial 1
- (3) Speed dial 2

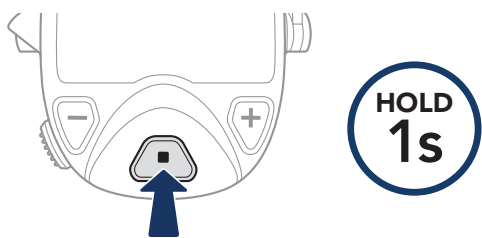
- (4) Speed dial 3
- (5) Cancel

3. Tap the **Multi-function Button** to proceed.

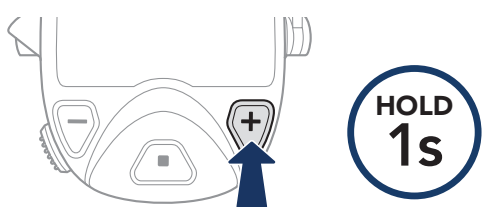


4.4 Music

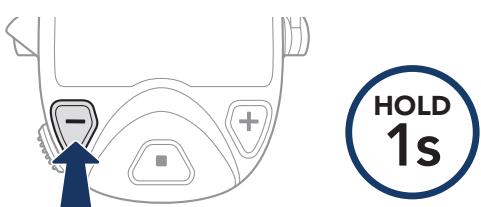
Play/Pause



Track Forward



Track Backward

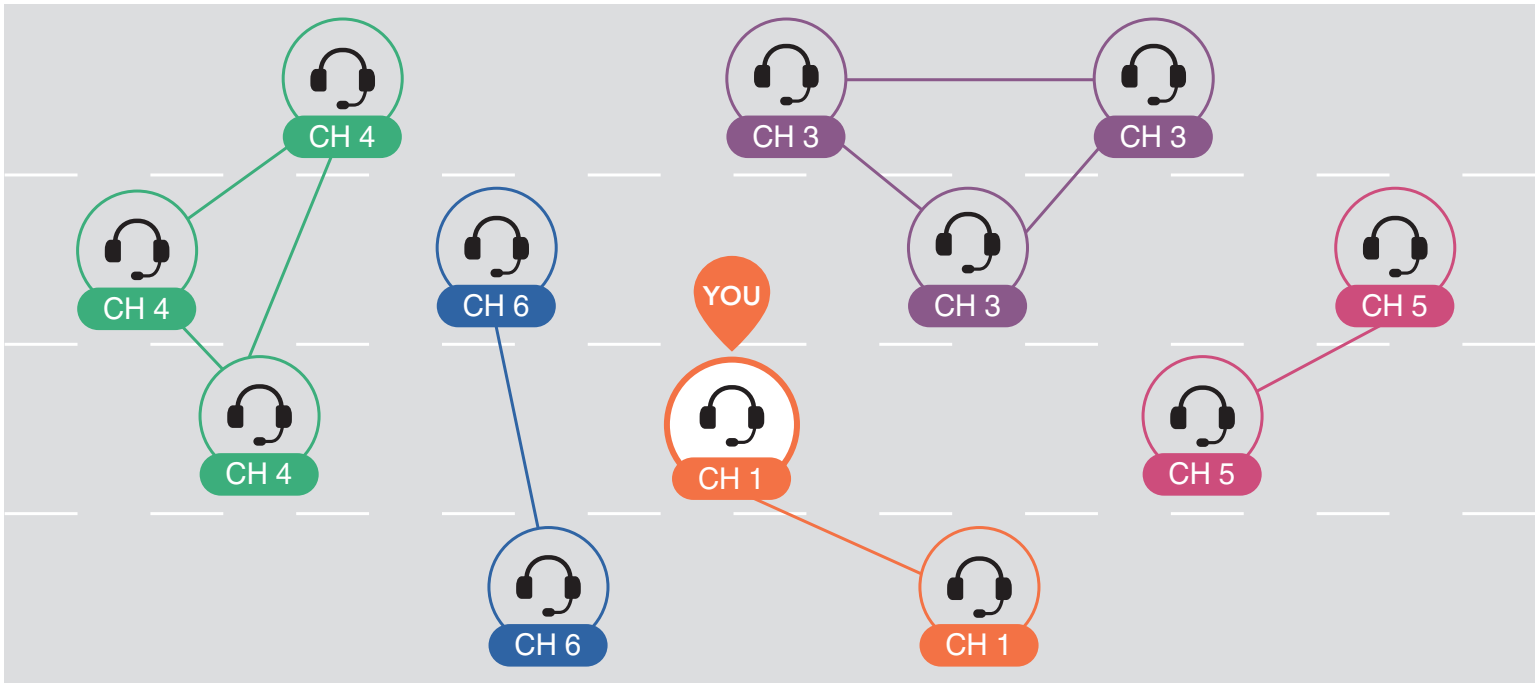


5. MESH INTERCOM

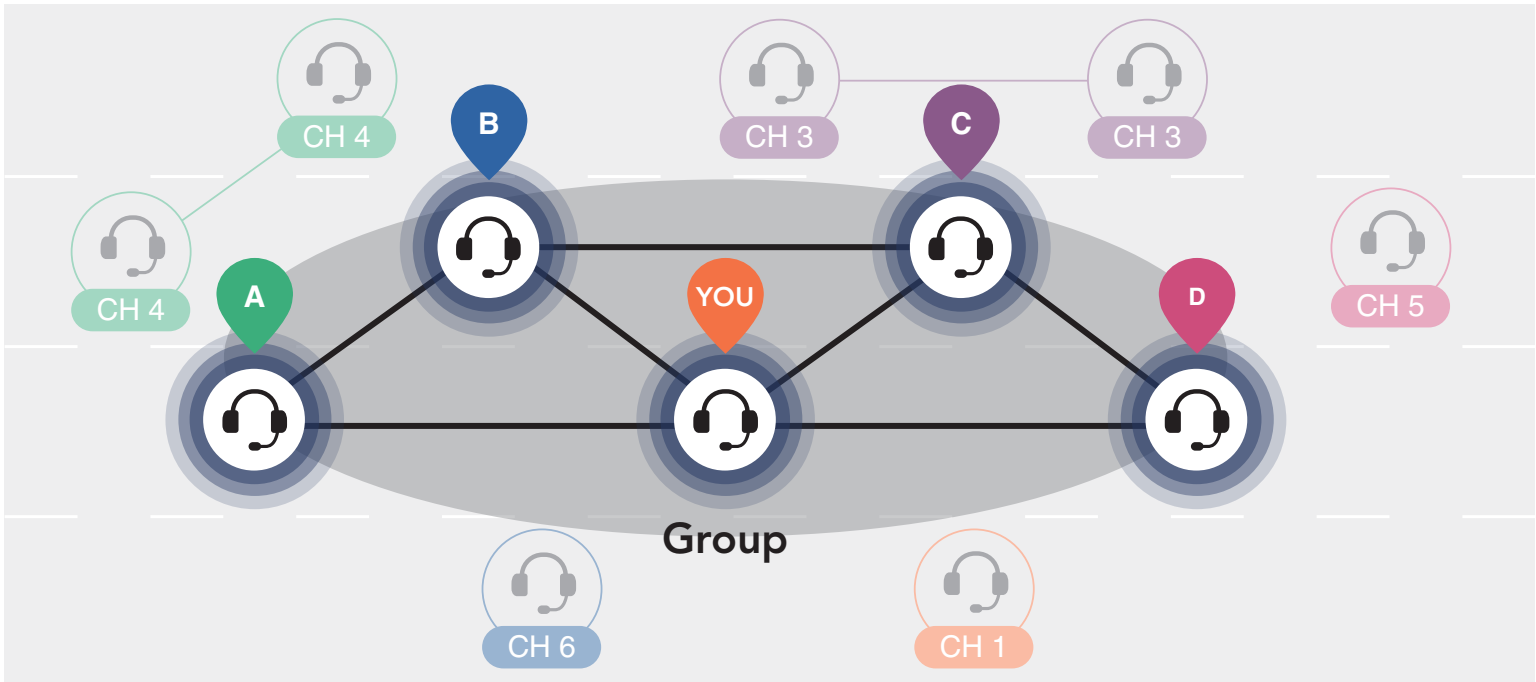
The **NAUTITALK N2R** provides two Mesh Intercom modes:

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

Open Mesh



Group Mesh



5.1 Mesh Version Switch

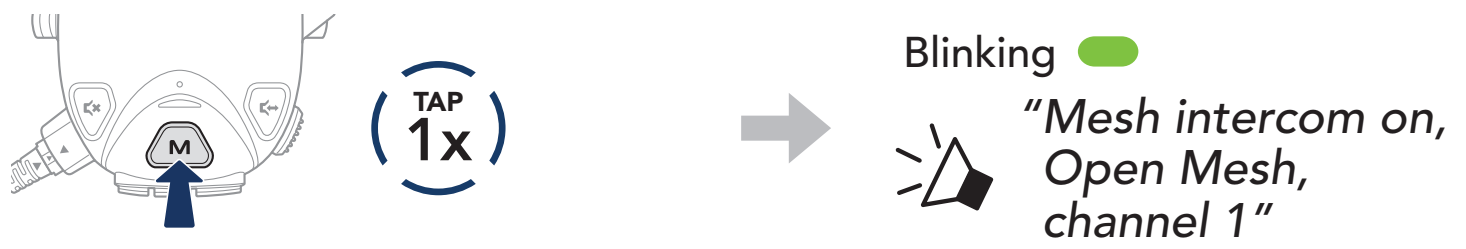
Switch to Mesh 2.0 for Backward Compatibility

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 Marine App**.

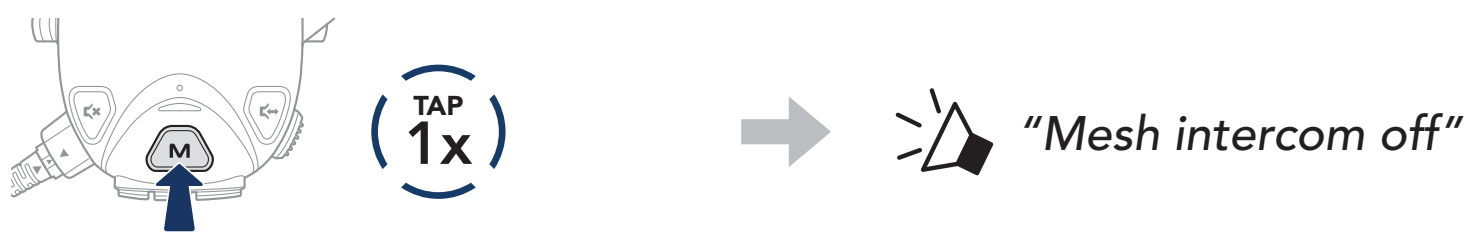
5.2 Open Mesh

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

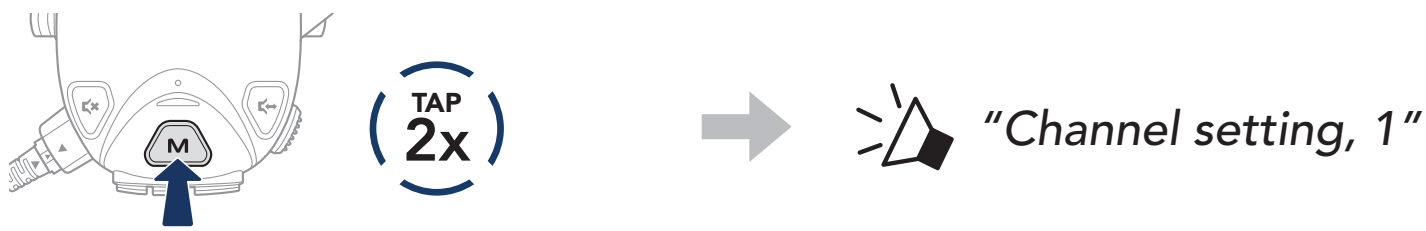


Mesh Intercom Off

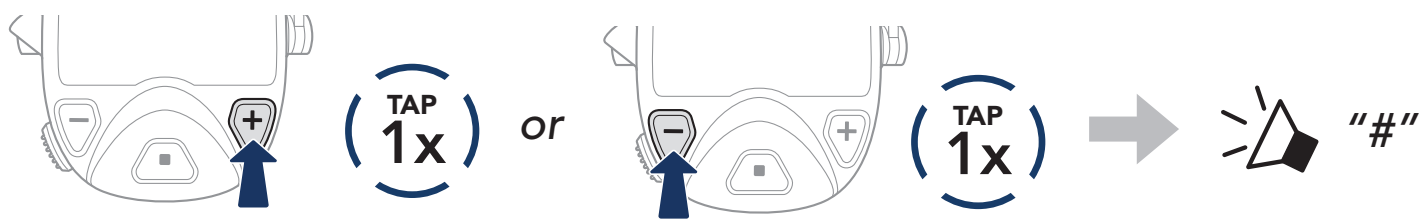


Channel Selection

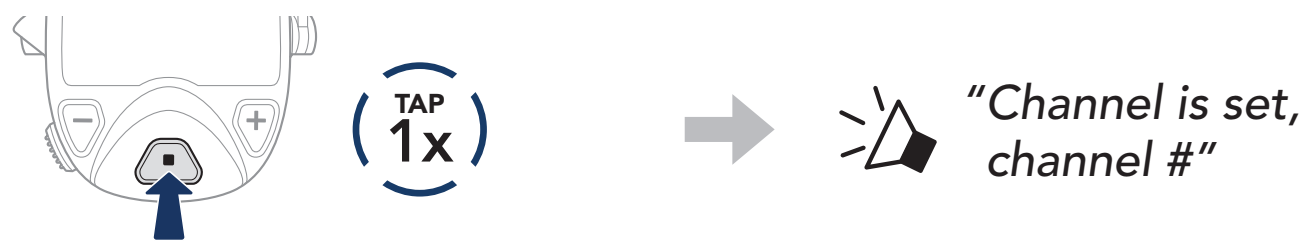
1. Enter the channel setting.



2. Navigate between channels.



3. Confirm and save the channel.



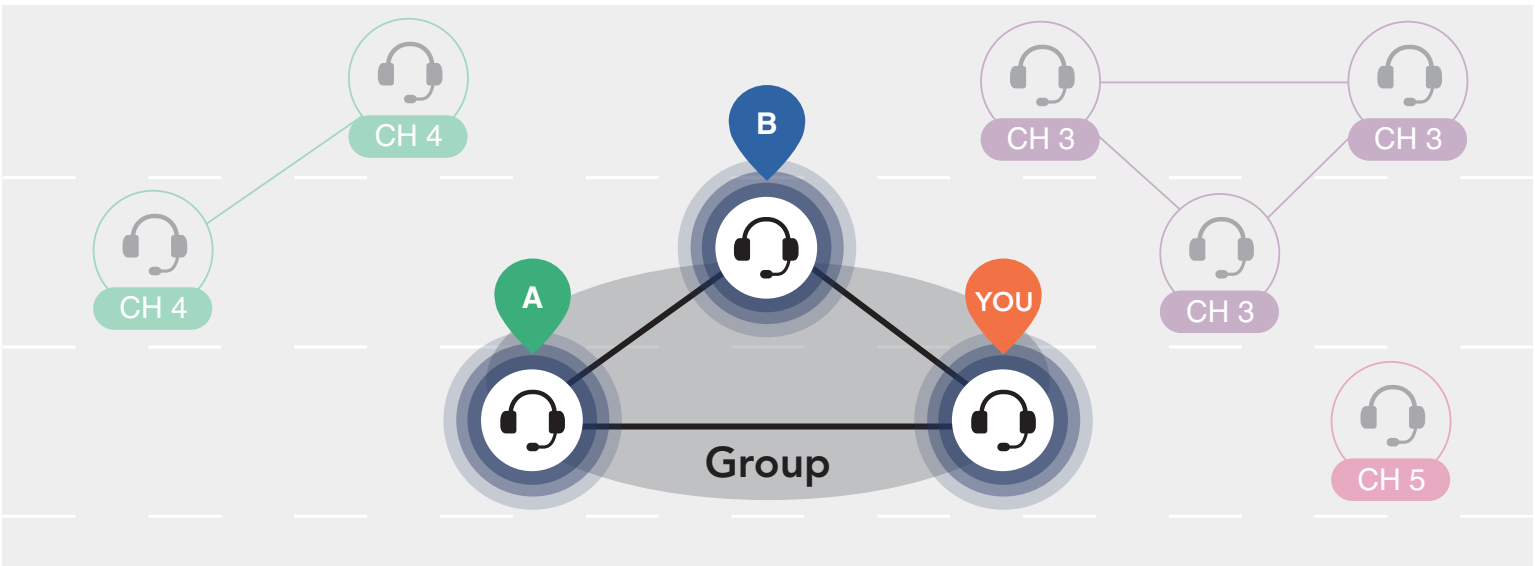
Note:

- 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 **NAUTITALK N2R** is turned off.

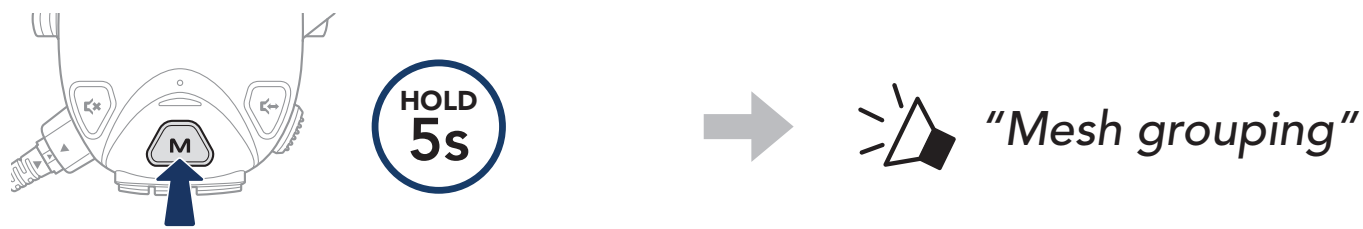
5.3 Group Mesh

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

5.3.1 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**.

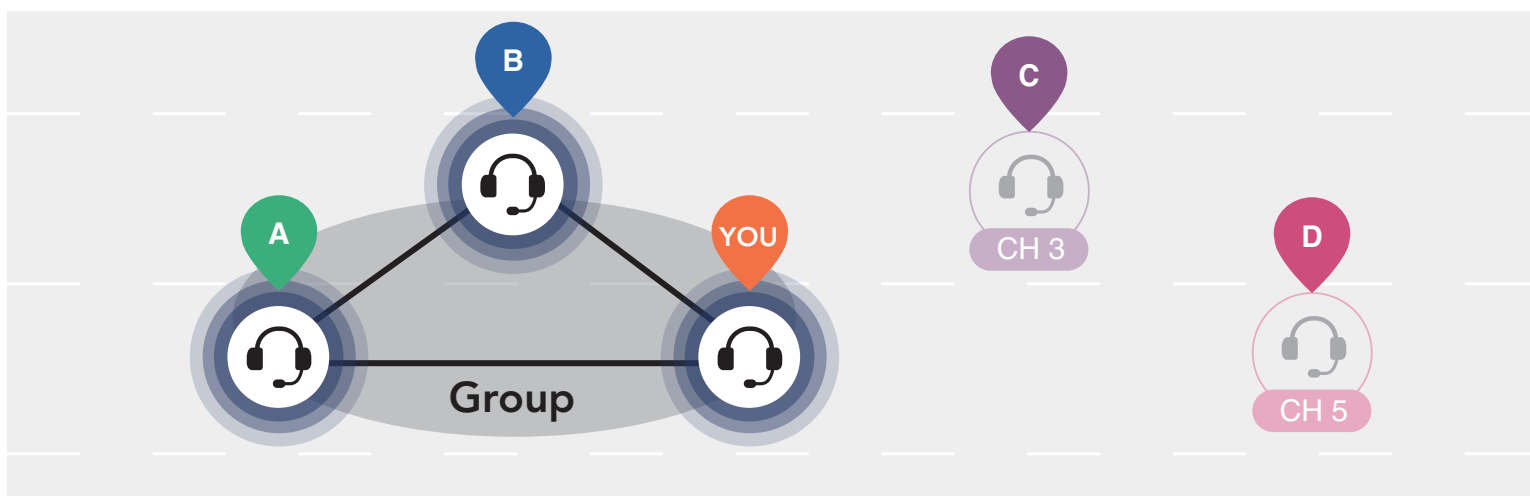


Note:

- 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."**

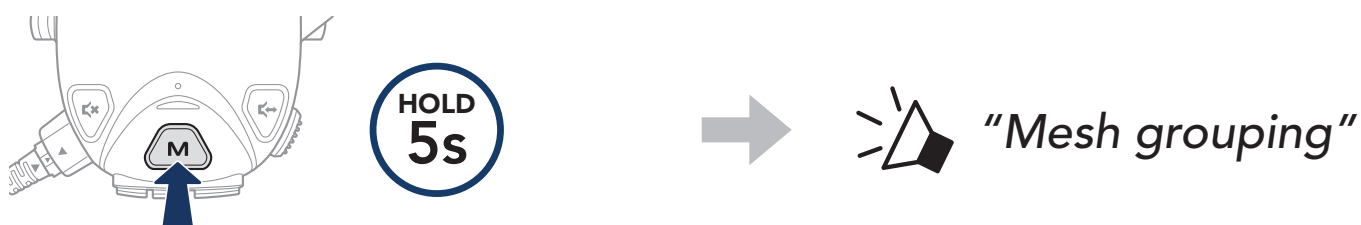
5.3.2 Join an Existing Group Mesh

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**.

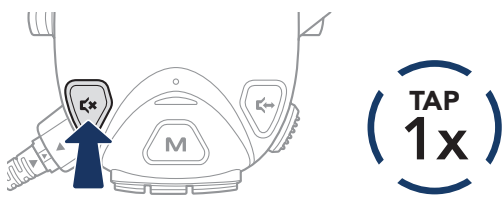
New participants (C and D)

 "Group Mesh"

Note: 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."**

5.4 Mute/Unmute Mic (Default: Unmute)

Use the **MIC Button** to mute/unmute the microphone in any Mesh channel.



5.5 Toggle Open Mesh/Group Mesh

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



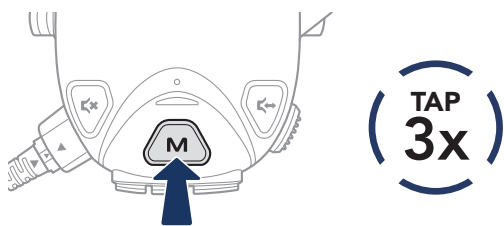
Note: If you have never participated in **Group Mesh**, you cannot toggle between **Open Mesh** and **Group Mesh**. You will hear a voice prompt, **"No Group Available."**

5.6 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 Marine App**.
2. You can send a Mesh Reach-Out request using the **Mesh Intercom Button** or the **Sena Marine 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.

Note:
*: Up to 109 yds (100 m) in open terrain

5.7 Reset Mesh

If the **NAUTITALK N2R** resets the mesh while in open mesh or group mesh, it will automatically return to open mesh, channel 1.

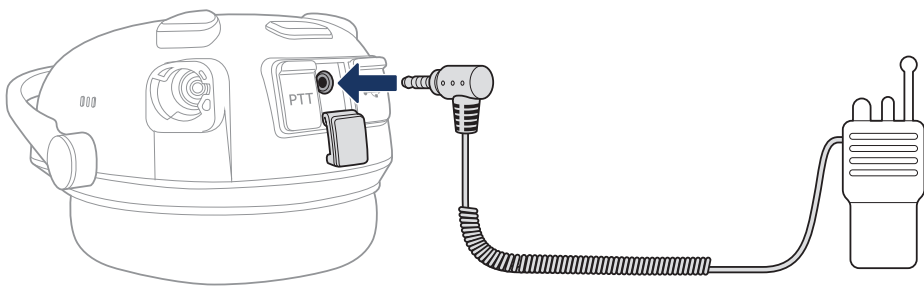


5.8 Audio Multitasking

Audio Multitasking allows you to have a **Mesh Intercom** conversation while simultaneously having a **two-way radio** conversation. The volume level of the **two-way radio** conversation will not be reduced during a **Mesh Intercom** conversation.

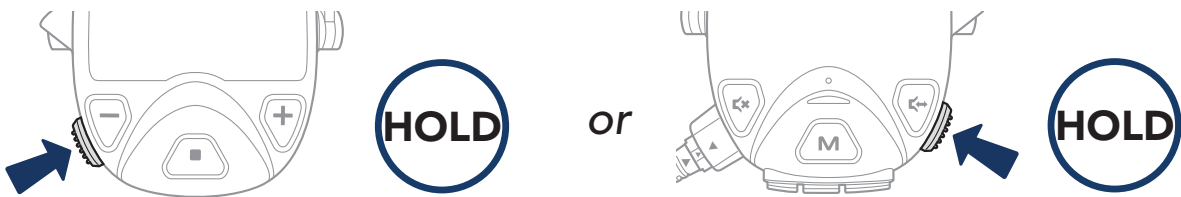
6. TWO-WAY RADIO

1. Connect the two-way radio with the **NAUTITALK N2R** using the ***two-way radio cable** and port.



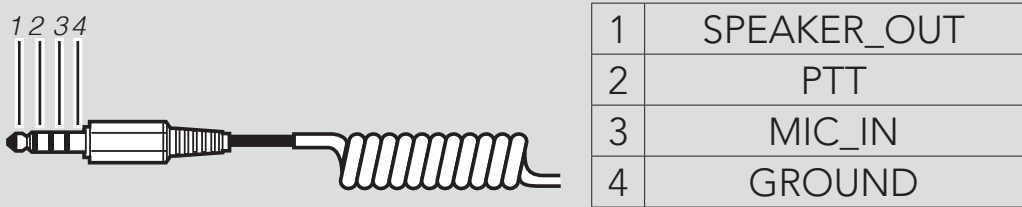
2. Press and hold one of the **PTT Buttons** to talk.

Push-To-Talk (PTT)

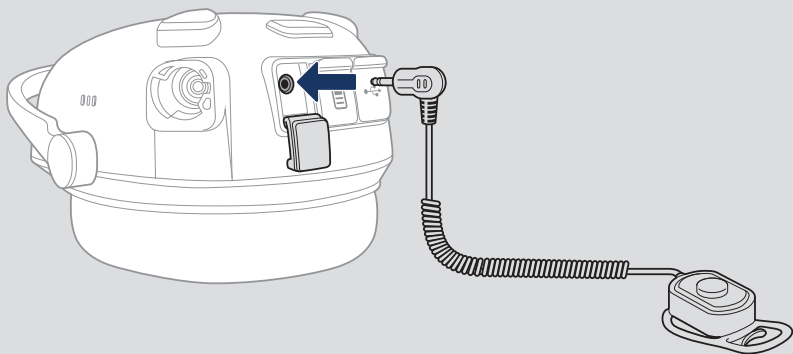


Note:

- **Two-way radio cable:** Sold separately. For more information, visit sena.com.
- You can also create a cable that wires the **NAUTITALK N2R** and the two-way radio. Follow the diagram below to correctly wire the cable.

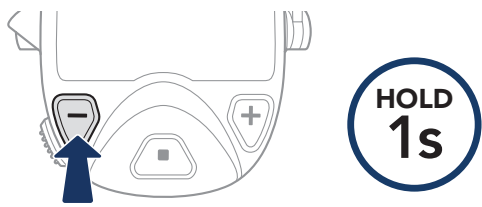


- **Extension Cable for Wired PTT Button:** sold separately.

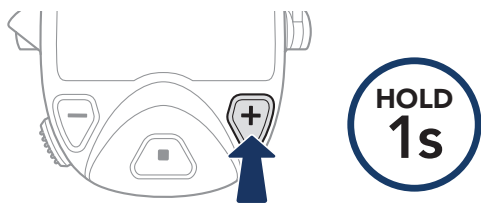


7. FM RADIO

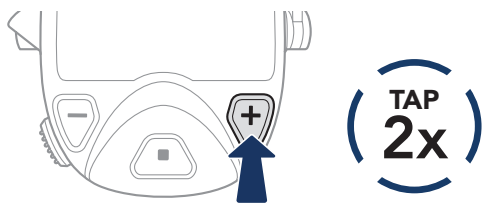
FM Radio On/Off



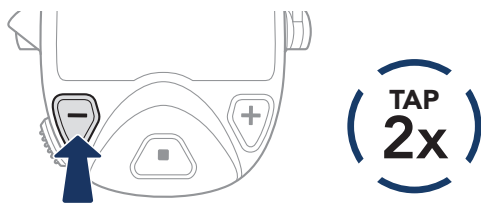
Start/Stop Scanning



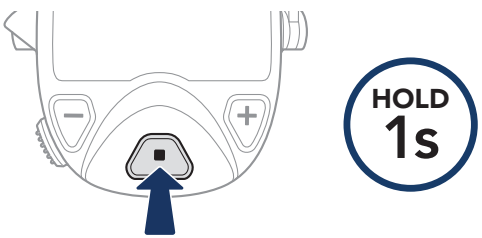
Seek Forward



Seek Backward

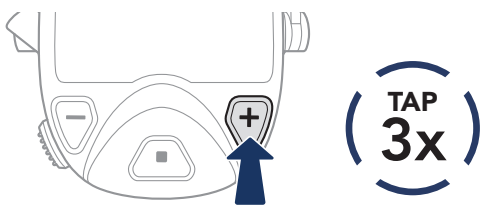


Navigate through Preset Stations



Temporary Stations

- 1. The **Temporary Preset** function automatically finds and saves the nearest 10 radio stations without changing your existing presets stations. Tap the **(+) Button** 3 times to automatically find and save 10 stations.



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

Note: You can save the current station in the **Sena Marine App**.

8. CONFIGURATION SETTING AND FIRMWARE UPDATES

8.1 Configuration Setting

You can change the configuration settings of the headset through the **Sena Marine App** or the **Sena Device Manager**.



8.1.1 Language

You can select or change the device language, which will stay saved even if the headset is rebooted.

8.1.2 Mesh Reach-Out (Default: Disabled)

If the **Mesh Reach-Out** is disabled, a Mesh Reach-Out request message cannot be sent or received.

8.1.3 Mesh Intercom Vox Sensitivity (Default: 3)

The adjustable **Mesh Intercom Vox Sensitivity** activates voice transmission between 5 levels of voice sensitivity. The lower the sensitivity, the louder you need to speak.

8.1.4 Sidetone (Default: Disabled)

Sidetone is audible feedback from your voice and helps you naturally speak at the correct level based on the noise conditions of your surroundings. If this feature is enabled, you can hear what you are saying during an intercom conversation or a phone call.

8.1.5 Voice Prompt (Default: Enabled)

While some **Voice Prompts** may be disabled in the software configuration settings, the following voice prompts are always on:

- Battery level indicator
- Speed dial
- FM radio functions
- Mesh Intercom

8.1.6 RDS AF Setting (Default: Disabled)

A radio station with more than one frequency can be used by enabling the **Radio Data System (RDS) Alternative Frequency (AF) Setting**. This setting allows a receiver to re-tune to the second frequency location when the first signal becomes too weak.

8.1.7 FM Station Guide (Default: Enabled)

When **FM Station Guide** is enabled, FM station frequencies are given by voice prompts as you select preset stations.

8.1.8 Region Selection

When using the region setting, you can optimize the seek function to avoid unnecessary frequency ranges, allowing you to select the proper FM frequency range for your location.

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

8.1.9 Firmware Upgrades

You can upgrade the firmware using the **Sena Device Manager** by connecting the **USB Power & Data Cable (USB-C)** to your PC.

Download the **Sena Device Manager** at [sena.com](https://www.sena.com).

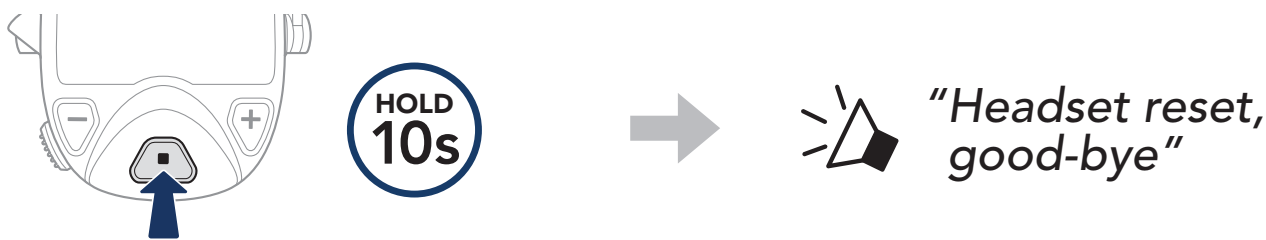
9. TROUBLESHOOTING

Please visit [sena.com](https://www.sena.com) for more troubleshooting information.

9.1 Factory Reset

If you wish to erase all of your settings, the headset can be restored to factory default settings using the **Factory Reset** feature.

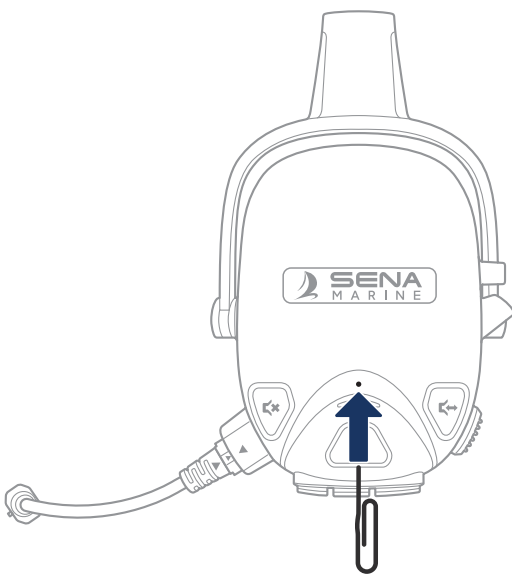
- Press and hold the **Multi-function Button** for **10 sec** until you hear “Headset reset, good-bye.”



9.2 Fault Reset





























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
























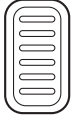



1. Locate the **Pinhole Fault Reset Button** above the **Status LED**.
2. Gently insert a paper clip into the hole and press the **Pinhole Fault Reset Button** with light pressure.



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

10. QUICK REFERENCE

TYPE	OPERATION	BUTTON COMMANDS
Basic Operations	Power on/ Power off	  
		  
	Volume up/Volume down	 or  
	Ambient mode on/off	 
Phone Usage	Phone Pairing	 
	Answer phone call	 
	End phone call	 
	Reject phone call	 
	Call a Voice Assistant	 
	Speed dial	 
Music	Play/Pause music	 
	Track forward/backward	 or  

TYPE	OPERATION	BUTTON COMMANDS
Mesh Intercom	Mesh Intercom on/off	 
	Channel setting	 
	Mesh Grouping	 
	Mute/Unmute Mic	 
	Toggle Open Mesh/Group Mesh	 
	Mesh Reach-Out Request	 
	Reset Mesh	 
FM Radio	FM radio on/off	 
	Select preset	 
	Seek forward/backward	 or  
	Scan up FM band/ Stop scanning	 
Two-way Radio	Push-To-Talk (PTT)	 
Factory Reset		 



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