



English

SENA EXPAND BOOM

Outdoor Bluetooth® Communication System

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1 PACKAGE CONTENTS

- **Expand Boom Headset**

*DC Power Charging &
Firmware Upgrade Port*

(+) Button / (-) Button

- Volume adjustment
- Navigate through configuration menu
- MP3 Track-forward and track-back

Status LED

Speaker

Charging LED

Center Button

- Play and pause Bluetooth stereo device
- Answer and end a mobile phone call
- Reject an incoming mobile phone call
- Start and end intercom conversation
 - Enter configuration menu
 - Enter phone pairing mode
 - Enter intercom pairing mode

Boom Microphone

<Left side>

Speaker

<Right side>



- **USB Power & Data Cable**



- **Speaker Pads**



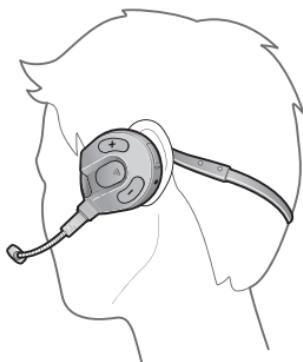
- **Microphone Sponges**

2 GETTING STARTED

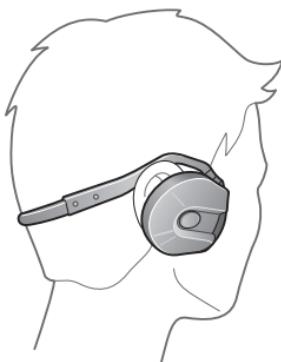
2.1 Wearing the Sena Expand Boom

Proper fit on your ear and head is important both for comfort and optimal noise-reduction performance.

The speaker with microphone should be placed on the left ear. Then you can place earhooks over ears and pull the microphone in toward your lips as positioning the microphone with its talk side facing in as shown below.

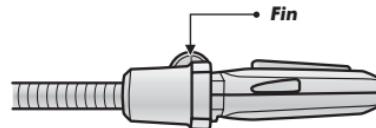


<Left Side>



<Right side>

Please adjust the direction of the microphone so that the fin side of the microphone is facing outward; away from your lips. You can easily recognize it by touching the fin with your fingers.



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 www.sena.com.

2.3 Powering On

Press and hold the **Center Button** and the **(+)** **Button** at the same time for **1 second** to power on.

2.4 Powering Off

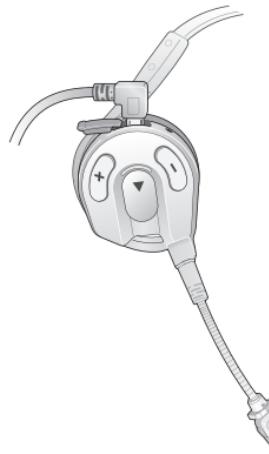
Tap the **Center Button** and the **(+)** **Button** simultaneously.

2.5 Volume Adjustment

You can easily adjust the volume by tapping the **(+)** **Button** or the **(-)** **Button**. You will hear a beep when the volume reaches maximum or minimum level. The volume is set and maintained independently at different levels for each audio source even when you turn the headset off and on.

2.6 Charging

The charging LED beside the charging port turns red while charging, and turns to blue when the headset is fully charged. It takes about 2.5 hours to be completely charged. You can use the Sena Expand Boom while it is charging.



2.7 Low Battery Warning

When the battery is low, the blinking blue LED in stand-by mode turns to red and you will hear mid-tone triple beeps and a voice prompt, **“Low battery”**.

2.8 Checking the Battery Level

When the headset is powering on, the red LED flashes rapidly indicating the battery level.

4 flashes = High, 70~100%

3 flashes = Medium, 30~70%

2 flashes = Low, 0~30%

3 PAIRING THE EXPAND BOOM WITH BLUETOOTH DEVICES

Before using the Sena Expand Boom headset with any Bluetooth device for the first time, you need to do the pairing operation. It can be paired with Bluetooth mobile phones, Bluetooth stereo devices such as MP3 and with a Bluetooth adapter or transmitter such as Sena SR10 or SM10. This pairing operation is only required once for each Bluetooth device. The headset will remain paired with the devices and automatically connects to the paired devices again when they are within range. You will hear a high tone single beep and a voice prompt when the headset connects to a paired device automatically: **“Phone connected”** for a mobile phone, or **“Media connected”** for a Bluetooth stereo device.

3.1 Mobile Phone Pairing

There are three ways to pair the phone.

3.1.1 Initially Pairing the Expand Boom

The headset will automatically enter the phone pairing mode when you initially turn on the headset or in the following situations:

- Rebooting after executing the **Factory Reset** feature; or
- Rebooting after executing the **Delete All Pairings** feature.

1. Press and hold the **Center Button** and **(+)** **Button** for **1 second**. You will hear a voice prompt, **“Phone pairing”**.
2. Search for a Bluetooth device on your mobile phone. Select the **Expand Boom** in the list of devices detected on the mobile phone.
3. Enter 0000 for the PIN. Some mobile phones may not ask for a PIN.

Note:

*To cancel phone pairing, tap the **Center Button**.*

3.1.2 Pairing When the Expand Boom is Turned Off

1. Press and hold the **Center Button** and **(+)** **Button** for **5 seconds** when the **Expand Boom** is turned off. You will hear a voice prompt, “**Phone pairing**”.
2. Search for a Bluetooth device on your mobile phone. Select the **Expand Boom** in the list of devices detected on the mobile phone.
3. Enter 0000 for the PIN. Some mobile phones may not ask for a PIN.

3.1.3 Pairing When the Expand Boom is Turned On

1. Press and hold the **Center Button** for **8 seconds** when the **Expand Boom** is turned on. You will hear a voice prompt, “**Phone pairing**”.
2. Search for a Bluetooth device on your mobile phone. Select the **Expand Boom** in the list of devices detected on the mobile phone.
3. Enter 0000 for the PIN. Some mobile phones may not ask for a PIN.

3.2 Multipoint Pairing

Typical Bluetooth headsets can connect with only one HFP (Hands-Free Profile) device, but multipoint pairing allows the headset to connect with two HFP devices at the same time. So, when you already have a mobile phone connected with the Sena Expand Boom, you can also pair and connect a second mobile phone or other HFP device such as the Sena SR10, Bluetooth adapter.

1. To enter the voice configuration menu, press and hold the **Center Button** for **12 seconds** until you hear a voice prompt, “**Configuration menu**”.
2. Tap the **(+)** **Button** until you hear a voice prompt, “**Multipoint pairing**”.
3. If you want to pair a second mobile phone, search for the Bluetooth device on your mobile phone, and select the Sena Expand Boom in the list of devices detected on the mobile phone.
4. Enter 0000 for the PIN. Some mobile phones may not ask for the PIN.
5. The mobile phone confirms that pairing has completed and the Sena Expand Boom is ready to use. You will hear a voice prompt, “**Your headset is paired**”.
6. If you want to pair the Sena SR10, Bluetooth adapter, please refer to the section 3.4, “*Pairing with the Sena SR10 Bluetooth Two-way Radio Adapter*”.

3.3 Bluetooth Stereo Device Pairing

If the Bluetooth stereo device is integrated with a mobile phone such as a smartphone, you don't need to pair the Sena Expand Boom with it separately. When the Sena Expand Boom is paired with the mobile phone, it is also paired as a stereo music device.

If you have a stand alone Bluetooth stereo device, follow the pairing procedure separately. The procedure is the same as the procedure given in 3.1, "Mobile Phone Pairing".

Note:

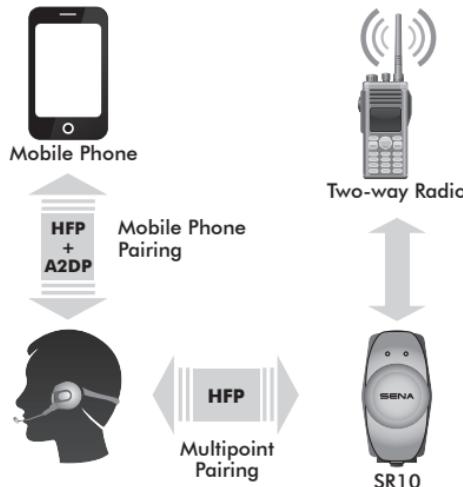
- If a Bluetooth connection between the headset and a mobile phone is disconnected, press and hold the **Center Button** for **3 seconds** until you hear a high tone single beep to recover the Bluetooth connection immediately.
- If a Bluetooth connection between the headset and a media player is disconnected, press and hold the **Center Button** for **1 second** to recover the Bluetooth connection and play.

3.4 Pairing with the Sena SR10 Bluetooth Two-way Radio Adapter

The Sena SR10 is a Bluetooth two-way radio adapter for group communication. If you pair the Sena Expand Boom with an SR10 by multipoint pairing, the Sena Expand Boom is able to have two HFP devices at the same time: a mobile phone and the Sena SR10.

1. To enter the voice configuration menu, press and hold the **Center Button** for **12 seconds** until you hear a voice prompt, "**Configuration menu**".
2. Tap the **(+)** **Button** until you hear a voice prompt, "**Multipoint pairing**".
3. Turn on the SR10 and follow the SR10's "Bluetooth Headset Pairing" procedure to complete the process. Please refer to the SR10 user's guide for details.
4. When the pairing is completed, you will hear a voice prompt, "**Your headset is paired**".
5. If the pairing process is not completed within three minutes, the Sena Expand Boom will return to stand-by mode.

The incoming audio from the two-way radio via SR10 is heard in the background while having an intercom conversation or a mobile phone call. You can listen to music, answer a mobile call, have an intercom conversation, and use a two-way radio via the SR10 for group communication as shown in the figure.



Parallel Connection of SR10 and Mobile Phone by Bluetooth Multipoint Pairing

3.5 Pairing with Selective Profile: HFP or A2DP Stereo

If you have a MP3 stereo music phone such as a smartphone, sometimes you may need to selectively use the Sena Expand Boom for A2DP stereo music only or for mobile phone handsfree only. This instruction is for advanced users who want to pair the Sena Expand Boom to their smartphones with only one selective profile: A2DP stereo for music or HFP for phone call.

If you have previously paired a mobile phone to the Sena Expand Boom, you must clear the previous pairing list on both devices; the mobile phone and the Sena Expand Boom. To clear the pairing list on the Sena Expand Boom , please do a factory reset or follow the pairing list clearing procedure described in this user's guide. To clear the pairing list on the mobile phone, please refer to the mobile phone manual. For most smartphones, delete the Sena Expand Boom from the list of Bluetooth devices in the setting menu.

3.5.1 Phone Selective Pairing: HFP for Phone Call Only

1. To enter the voice configuration menu, press and hold the **Center Button** for **12 seconds** until you hear a voice prompt, “**Configuration menu**”.
2. Tap the **(+)** **Button** until you hear a voice prompt, “**Phone selective pairing**”.
3. Search for Bluetooth devices on your smartphone. Select the Sena Expand Boom in the list of devices detected on your phone.
4. Enter 0000 for the PIN. Some smart phones may not ask for a PIN.

3.5.2 Media Selective Pairing: A2DP Stereo Music Only

1. To enter the voice configuration menu, press and hold the **Center Button** for **12 seconds** until you hear a voice prompt, “**Configuration menu**”.
2. Tap the **(+)** **Button** until you hear a voice prompt, “**Media selective pairing**”.
3. Search for Bluetooth devices on your smartphone. Select the Sena Expand Boom in the list of devices detected on your phone.
4. Enter 0000 for the PIN. Some smartphones may not ask for a PIN.

4 MOBILE PHONE CALL MAKING AND ANSWERING

4.1 Mobile Phone Call Making and Answering

1. When you have an incoming call, tap the **Center Button** to answer the call.
2. To end a call, press and hold the **Center Button** for **2 seconds** until you hear a mid-tone single beep, or wait for the called person to end the call.
3. To reject a call, press and hold the **Center Button** for **2 seconds** until you hear a beep while the phone is ringing.
4. There are several ways to make a phone call:
 - Enter numbers on your mobile phone keypad and make a call. Then the call is automatically transferred to the headset.
 - In stand-by mode, press and hold the **Center Button** for **3 seconds**, to activate the voice dialing of your mobile phone. You will hear a high tone single beep. Your mobile phone has to support voice dialing. Refer to your mobile phone manual for further instructions.

- To cancel voice dialing or redialing the last number command, tap the **Center Button** while it is in progress.

If you have a second mobile phone connected with the Sena Expand Boom by multipoint connection, you can answer the incoming call to the second mobile phone by tapping the **Center Button** while you are on the line of the first mobile phone. In this case, the first call is on call waiting.

4.2 Speed Dialing

You can quickly make a phone call by using the voice speed dial menu.

1. To enter into the voice speed dial menu, press and hold the **(+)** **Button** for **3 seconds** and you will hear a mid-tone single beep and a voice prompt, “**Speed dial**”.
2. Tap the **(+)** **Button** or the **(-)** **Button** to navigate between the menus. You will hear voice prompts for each menu item.
3. Tap the **Center Button** to select a voice menu among the followings:

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

(4) Speed dial 3
(5) Cancel

4. After selecting the last number redial menu, you will hear a voice prompt, “**Last number redial**”. Then, to redial the last phone call number, tap the **Center Button**.
5. To call one of the speed dials, tap the **(+)** **Button** or the **(-)** **Button** to navigate between the menus until you hear a voice prompt, “**Speed dial (#)**”. Then, tap the **Center Button**.
6. If you want to exit the speed dial immediately, tap the **(+)** **Button** or the **(-)** **Button** until you hear a voice prompt, “**Cancel**”, and tap the **Center Button**. If any button is not pressed within 15 seconds, the Sena Expand Boom will exit the voice speed dial menu and goes back to stand-by mode.
7. To cancel the voice dialing or redialing last number command, tap the **Center Button** while it is in progress.

Note:

Make sure that you should connect the mobile phone and the headset in order to use the speed dial function.

Answer	Tap the Center Button
End	Press and hold the Center Button for 2"
Reject	Press and hold the Center Button for 2"
Call	Use phone keypad
Speed Dial	Press and hold the (+) Button for 3"
Voice Dial	Press and hold the Center Button for 3"

Mobile Phone Call Button Operations

5 STEREO MUSIC

5.1 Bluetooth Stereo Music

You can listen to stereo music from your Bluetooth wireless audio device. You can not only adjust the volume but also use functions such as play, pause, next track and previous track.

- To adjust the volume, tap the **(+) Button** or the **(-) Button**.
- To play or pause music, press and hold the **Center Button** for **1 second** until you hear a mid-tone double beep.
- To track forward or track back, press and hold the **(+) Button** or the **(-) Button** for **1 second** until you hear a mid-tone single beep.

5.2 Music Sharing

You can start sharing music with an intercom friend using Bluetooth stereo music during a two-way intercom conversation. When you terminate music sharing, you can go back to the intercom conversation.

- To start or terminate sharing music, press and hold the **Center Button** for **1 second** during an intercom conversation until you hear a double beep and you and your intercom friend will listen to or terminate sharing music.
- To track forward or track back, press and hold the **(+)** **Button** or the **(-)** **Button** for **1 second** until you hear a mid-tone single beep.

Note:

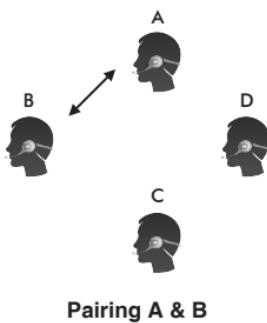
- *Both you and your intercom friend can remotely control music playback during music sharing such as track forward and track back.*
- *When you have an incoming call, make a phone call, or hear the turn-by-turn voice instruction of GPS during music sharing, the function will be paused.*

6 INTERCOM

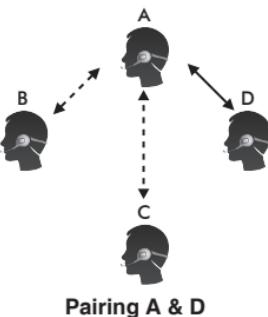
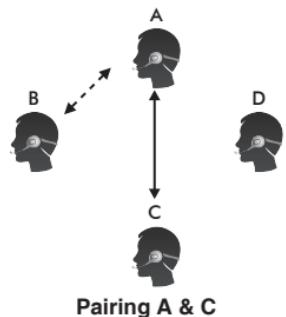
6.1 Pairing with Other Sena Expand Boom Headsets for Intercom Conversation

The Sena Expand Boom can be paired with up to three other headsets for Bluetooth intercom conversations.

1. Turn on the two Sena Expand Boom headsets (A and B) that you would like to pair with each other.
2. Press and hold the **Center Button** for **5 seconds**, then you will hear a mid-tone single beep and a voice prompt, “**Intercom pairing**”.
3. Simply tap the **Center Button** of any one of the two headsets A or B (it doesn’t matter which you choose.) and wait until the LEDs of both headsets turn to blue and intercom connection is automatically established. The two Sena Expand Boom headsets A and B are paired with each other for intercom conversation. If the pairing process is not completed within one minute, the Sena Expand Boom will return to stand-by mode.



4. You can make other pairings between headsets A and C, and between headsets A and D by following the same procedure as above.



5. The intercom pairing queue is '**Last-Come, First-Served**'. If a headset has multiple paired headsets for intercom conversations, the last paired headset is set as the **first intercom friend**. The previous intercom friend becomes the **second intercom friend**, and **third intercom friend**.

Note:

*For example, after the pairing procedures listed above, headset D is the **first intercom friend** of headset A. Headset C is the **second intercom friend** of headset A, and headset B is the **third intercom friend** of headset A.*

6.2 Two-way Intercom

6.2.1 Start and End Two-way Intercom

1. You can start a one-on-one intercom conversation with any intercom friend by tapping the **Center Button**: Single tapping to intercom with the first intercom friend, double tapping for the second intercom friend, or triple tapping for the third intercom friend.
2. To terminate a one-on-one intercom conversation, single tap the **Center Button**. This will end the intercom conversation.

	1 st intercom friend	2 nd intercom friend	3 rd intercom friend
Start intercom	Tap once	Tap twice	Tap three times
End intercom	Tap once		

Start & End Two-way Intercom

6.2.2 Intercom and Mobile Phone Call

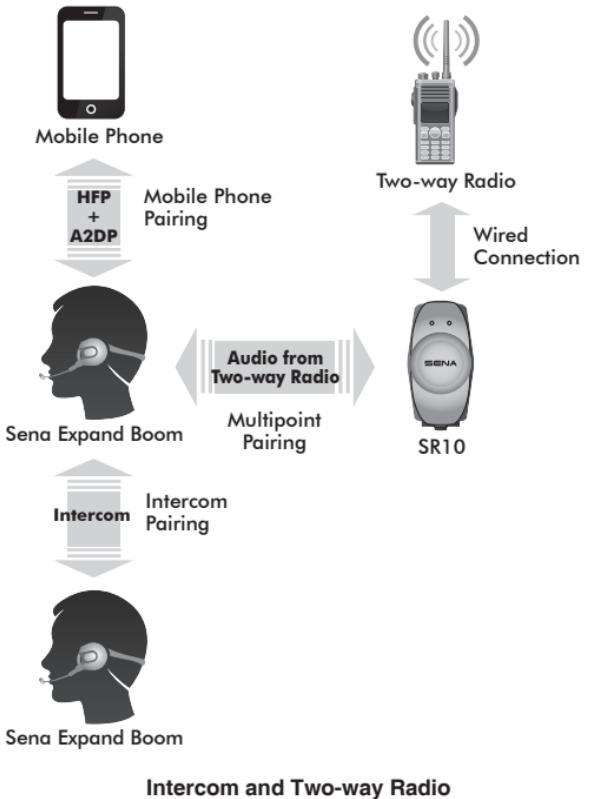
1. When you have an incoming mobile phone call during an intercom conversation, you will hear a ring tone. You can choose whether to 1) answer the mobile phone call and stop the intercom conversation, or 2) reject the phone call and stay on the intercom conversation or 3) ignore the incoming phone call and allow the caller to go to voice mail.
 - a. To answer the phone call and stop the intercom conversation, tap the **Center Button**. When you hang up the phone call, the intercom will automatically be recovered.
 - b. To reject the phone call and stay on the intercom conversation, press and hold the **Center Button** for **2 seconds** until you hear a beep.
 - c. To ignore an incoming phone call, just wait until the caller goes to voice mail. You will maintain the intercom call while the caller is leaving a voice message.

Unlike other motorcycle Bluetooth headsets, this prevents a user from being dropped out of an intercom conversation by an incoming mobile call.

- When you have an incoming intercom call during a mobile phone call, you will hear 4 high tone beeps, alerting you that there is an incoming intercom call. You will also hear a voice prompt, "**Intercom requested**". In this case, the intercom call does not override the mobile phone call because intercom has a lower priority than a mobile call. You have to hang up the mobile phone call to make or receive an intercom call.

6.2.3 Intercom and Two-way Radio

As described in 5.4 of this user's guide, you can use a two-way radio and Sena Expand Boom Bluetooth intercom simultaneously by using the Sena SR10, a Bluetooth Two-way Radio Adapter, along with the Sena Expand Boom. Incoming audio from the two-way radio does not interrupt an intercom conversation but is heard in background.

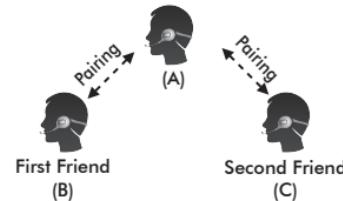


6.3 Three-way Intercom

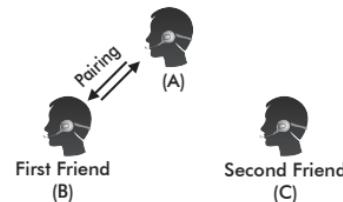
6.3.1 Start Three-way Intercom

You (A) can have a three-way conference intercom with two other Sena Expand Boom friends (B & C) by establishing two intercom connections at the same time. While a three-way conference intercom is in progress, the mobile phone connection of all three participants would be temporarily disconnected, but as soon as the conference intercom terminates or one of the participants leaves the intercom, all mobile phones would be automatically reconnected. During the conference intercom, if you have an incoming mobile phone call, terminate the conference intercom to automatically reconnect the mobile phone and receive the call.

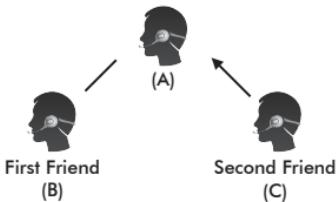
1. You (A) need to be paired with two other friends (B & C) for three-way conference intercom.



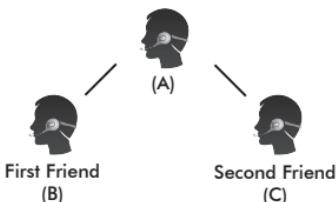
2. Start an intercom conversation with one of the two friends in your intercom group. For example, you (A) may start an intercom conversation with intercom friend (B). Or intercom friend (B) may start an intercom call with you (A).



3. The second intercom friend (C) may join the intercom by making an intercom call to you (A).



4. Now you (A) and two Sena Expand Boom intercom friends (B & C) are having a three-way conference intercom.



6.3.2 End Three-way Intercom

When you are a member of an active three-way conference intercom, you can completely terminate the conference intercom or just disconnect an intercom connection with one of your active intercom friends.

1. Press and hold the **Center Button** for **1 second** until you hear a beep to terminate three-way conference intercom completely. It terminates both intercom connections with (B) and (C).
2. Tap or tap twice the **Center Button** to disconnect intercom connection with one of the two intercom friends accordingly. For example, by single tapping the **Center Button**, you can terminate the intercom connection with the first intercom friend (B). However, you still have the intercom connection with your second intercom friend (C). To disconnect from intercom friend (C), tap twice the **Center Button**. Now both intercom friends are disconnected.

Center Button	Result
Press and hold for 1"	Disconnect (B) & (C)
Tap once	Disconnect (B)
Tap twice	Disconnect (C)

End Three-way Intercom

6.3.3 Three-way conference phone call with intercom participants

You can have a three-way conference phone call by adding an intercom friend to the mobile phone conversation. While having a mobile phone call, make an intercom call to one of your intercom friends (B, C or D) by tapping the **Center Button** once, twice or three times to form a three-way conference call with the person on the mobile phone line. To disconnect the intercom first and go back to your private mobile phone call, terminate the intercom by tapping the **Center Button** once. To end the mobile phone call first and maintain the intercom conversation, press and hold the **Center Button** for **2 seconds**, or wait for the person on the mobile phone line to end the call.

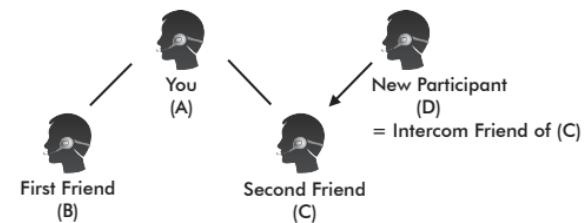
Start	Tap the Center Button while having a mobile phone call
End intercom first	Tap the Center Button
End phone call first	Press and hold the Center Button for 2" or wait for the called person to end the call

Start & End Three-way Conference Phone Call

6.4 Four-way Intercom

6.4.1 Start Four-way Intercom

You can have four-way conference intercom with three other Sena Expand Boom users by adding one more intercom participant to the three-way intercom. While you are having three-way intercom as above in section 6.3.1, a new participant (D), who is an intercom friend of your intercom friend (C), may join the conference intercom by making an intercom call to your intercom friend (C). Please note that in this case, the new participant (D) is an intercom friend of (C), not of you (A).



6.4.2 End Four-way Intercom

As in the case of three-way intercom, you can completely exit from the four-way conference intercom or just disconnect a single intercom connection.

1. Press and hold the **Center Button** for **1 second** until you hear a beep to terminate four-way conference intercom. It terminates the intercom connections between you (A), and your intercom friends (B) and (C).
2. Tap or tap twice the **Center Button** to disconnect the intercom connection with one of the two intercom friends accordingly. However, when you disconnect the second friend (C) by tapping twice the **Center Button**, you will be disconnected with the third participant (D) as well. This is because the third participant (D) is connected with you via the second friend (C).

Center Button	Result
Press and hold for 1"	Disconnect (B), (C) & (D)
Tap once	Disconnect (B)
Tap twice	Disconnect (C) & (D)

End Four-way Intercom

6.5 Intercom Failure

When you try to start an intercom conversation with an intercom friend who is already having a conference intercom with other riders or is on a mobile phone call, you will hear a low tone double beep signifying that the intercom is busy. In this case, you have to try again later.

6.6 Intercom Reconnection

If your intercom friend goes out of range while having an intercom conversation, you may hear static and eventually the intercom will be disconnected. In this case, the Sena Expand Boom automatically tries to reconnect the intercom every 8 seconds and you will hear high tone double beeps until the intercom is reestablished. If you don't want to make a reconnection, tap the **Center Button** to stop the attempt.

7 UNIVERSAL INTERCOM

You can have an intercom conversation with non-Sena Bluetooth headsets using the Universal Intercom function. Non-Sena Bluetooth headsets can be connected to the Sena Bluetooth headset if they support the Bluetooth Hands-Free Profile (HFP). The working distance may differ depending on the performance of Bluetooth headset that it is connected to. In general, it is shorter than normal intercom distance since it uses the Bluetooth Hands-Free Profile.

Note:

Some non-Sena headsets may not support Multi-Way Universal Intercom.

7.1 Universal Intercom Pairing

The Sena Expand Boom can be paired with non-Sena Bluetooth headsets for Bluetooth intercom conversations.

1. Turn on the Sena Expand Boom and a non-Sena Bluetooth headset which you want to pair with.
2. To enter the voice configuration menu, press and hold the **Center Button** for **12 seconds** until you hear a voice prompt, **“Configuration menu”**.
3. Tap the **(-) Button** until you hear a voice prompt, **“Universal intercom pairing”**.
4. Perform the operation required for handsfree pairing on the non-Sena Bluetooth headset (refer to the users' manual of the headsets you want to use). The Sena Expand Boom will automatically perform pairing with non-Sena Bluetooth headsets in pairing mode.

7.2 Two-way Universal Intercom

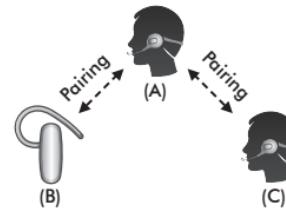
You can initiate the Universal Intercom connection with non-Sena Bluetooth headsets using the same intercom connection method as you would between other Sena headsets. You may single tap the **Center Button** to begin an intercom conversation with the first intercom friend, double tap with the second intercom friend, and triple tap with the third intercom friend.

Non-Sena Bluetooth headsets may initiate the Universal Intercom connection, activating the voice dialing or using the redialing operation. You may also disconnect the existing connection by ending a call operation function (refer to the users' manual of the headsets for voice dialing, redialing, and ending a call).

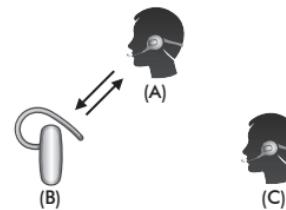
7.3 Three-way Universal Intercom

You may make a three-way Universal Intercom connection with two Sena Expand Booms and one non-Sena Bluetooth headset. If the intercom connection is made, all headsets connected cannot use the mobile phone call function since the connection between the headset and the phone is disconnected temporarily. If you disconnect the intercom call, the mobile phone connection is made again automatically so that you can use a mobile phone call function. During the intercom call, you cannot pick up the incoming phone call since it is disconnected, however, you can pick it up if you disconnect the intercom call.

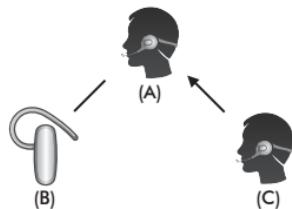
1. You (A) need to be paired with non-Sena Bluetooth headset (B) and another Sena Expand Boom (C) for the three-way conference intercom.



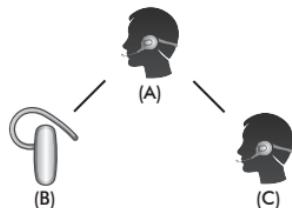
2. Start an intercom conversation with non-Sena Bluetooth headset (B) in your intercom group. For example, you (A) may start an intercom conversation with non-Sena Bluetooth headset (B). The non-Sena Bluetooth headset (B) may also start an intercom call with you (A).



3. The other Sena Expand Boom (C) may join the intercom by making an intercom call to you (A).



4. Now you (A), non-Sena Bluetooth headset (B), and the other Sena Expand Boom (C) are having a three-way conference intercom.



5. You may disconnect the three-way Universal Intercom using the same way as you do in normal three-way intercom. Please refer to section, 6.3.2, "End Three-way Intercom".

7.4 Four-way Universal Intercom

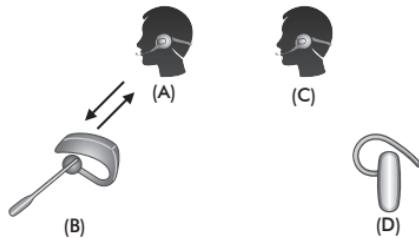
You may make a four-way Universal Intercom connection with a couple of different configurations, 1) three Sena Expand Booms and one non-Sena Bluetooth headset or 2) two Sena Expand Booms and two non-Sena Bluetooth headsets.

You may have a couple of other four-way Universal Intercom configurations, 1) your headset (A), a non-Sena Bluetooth headset (B), another Sena Expand Boom (C), and a non-Sena Bluetooth headset (D), 2) your headset (A), a non-Sena Bluetooth headset (B), and two other Sena Expand Booms (C and D). You may make the four-way Universal Intercom call the same way as a normal four-way intercom call.

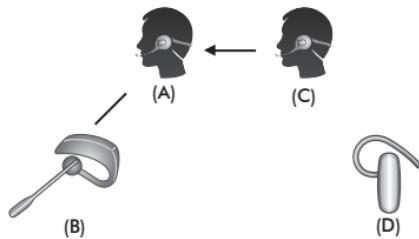
7.4.1 Four-way Universal Intercom Case 1

Two Sena Expand Booms (A and C) and two non-Sena Bluetooth headsets (B and D).

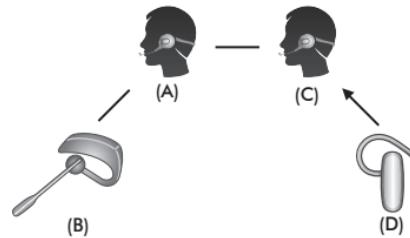
1. You (A) may start an intercom conversation with the non-Sena Bluetooth headset (B).



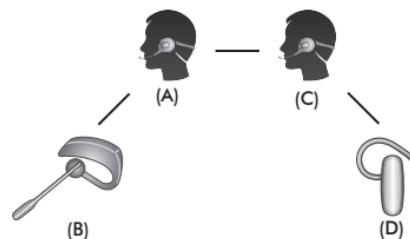
2. The other Bluetooth Mic (C) may join the intercom by making an intercom call to you (A).



3. The non-Sena Bluetooth headset (D) may join the conference intercom by making an intercom call to the Bluetooth Mic (C).



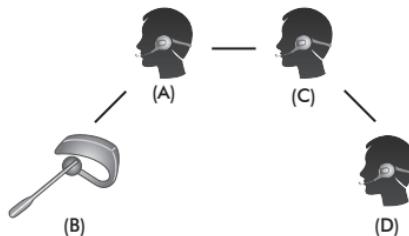
4. Now two Sena Expand Booms (A & C) and two non-Sena Bluetooth headsets (B & D) are connected with the four-way Universal Intercom.



You may disconnect a four-way Universal Intercom using the same way as you do in a normal four-way intercom. Please refer to section, 6.4.2, "End Four-way Intercom".

7.4.2 Four-way Universal Intercom Case 2

Three Sena Expand Booms (A, C and D) and one non-Sena Bluetooth headset (B). The procedure is the same as the case 1 described in section 7.4.1.



8 FUNCTION PRIORITY

The Sena Expand Boom operates in the following order of priority:

(highest)	Mobile phone
	Intercom
	Music sharing by Bluetooth stereo music
(lowest)	Bluetooth stereo music

A lower priority function is always interrupted by a higher priority function. For example, stereo music is interrupted by an intercom call, and intercom conversation is interrupted by an incoming mobile phone call.

9 CONFIGURATION SETTING

You can set the configuration of the Sena Expand Boom by the voice menu instructions as below.

1. To enter the voice configuration menu, press and hold the **Center Button** for **12 seconds** until the LED shows solid blue and you hear high tone double beeps. You will also hear a voice prompt, **“Configuration menu”**.
2. Tap the **(+)** **Button** or **(-)** **Button** to navigate between the menus. You will hear voice prompts for each menu item as below.
3. You can enable / disable a feature or execute a command by tapping the **Center Button**.
4. If you want to exit configuration immediately, press and hold the **(+)** **Button** or **(-)** **Button** until you hear a voice prompt, **“Exit configuration”**, then tap the **Center Button**.

The voice prompt for each menu item is as follows:

(1) Multipoint pairing	(6) Noise control
(2) Phone selective pairing	(7) Delete all pairings
(3) Media selective pairing	(8) Universal Intercom Pairing
(4) Speed dial	(9) Factory reset
(5) Voice prompt	(10) Exit configuration

9.1 Multipoint Pairing

Voice Prompt	“Multipoint pairing”
Factory Default	N/A

To go into multipoint pairing mode, tap the **(+)** **Button** or the **(-)** **Button** until you hear a voice prompt, **“Multipoint pairing”**. Please refer to section 3.2 for details on multipoint pairing.

9.2 Phone Selective Pairing

Voice Prompt	“Phone selective pairing”
Factory Default	N/A

To go into phone selective pairing mode, tap the **(+)** **Button** or the **(-)** **Button** until you hear a voice prompt, “**Phone selective pairing**”. Please refer to section 3.5.1 for more details on phone selective pairing.

9.3 Media Selective Pairing

Voice Prompt	“Media selective pairing”
Factory Default	N/A

To go into media selective pairing mode, tap the **(+)** **Button** or the **(-)** **Button** until you hear a voice prompt, “**Media selective pairing**”. Please refer to section 3.5.2 for more details on media selective pairing.

9.4 Assigning Speed Dial

Voice Prompt	“Speed dial”
Factory Default	N/A
Execute	Tap the Center Button

1. To assign a phone number as a speed dial, tap the **(+)** **Button** or the **(-)** **Button** until you hear a voice prompt, “**Speed dial**”.
2. Tap the **Center Button**, and you will hear a voice prompt, “**Speed dial one**” and “**Phone connected**”.
3. Tap the **(+)** **Button** or the **(-)** **Button** to select one of three speed dial numbers and you hear a voice prompt, “**Speed dial (#)**”.
4. Call a phone number you want to assign and you will hear a voice prompt, “**Save speed dial (#)**”. The phone number is automatically assigned to the selected speed dial number. Then the phone call will hang up before being connected.
5. To exit the menu, tap the **(+)** **Button** or the **(-)** **Button** until you hear a voice prompt, “**Cancel**”, and tap the **Center Button** to confirm. You will then hear a voice prompt, “**Cancel**”. If any button is not pressed within 1 minute, the Sena Expand Boom will exit the configuration menu and go back to stand-by mode.

Note:

After assigning a phone number to one of three speed dials, you can continually assign another phone number to the rest of two speed dials.

9.5 Enabling/Disabling Voice Prompts

Voice Prompt	“Voice prompt”
Factory Default	Enable
Enable / Disable	Tap the Center Button

You can disable voice prompts by configuration setting, but the following voice prompts are always on.

- Voice prompts for configuration setting menu
- Voice prompts for battery level Indicator
- Voice prompts for factory reset

9.6 Enabling/Disabling Advanced Noise Control™

Voice Prompt	“Noise control”
Factory Default	Enable
Enable / Disable	Tap the Center Button

When Advanced Noise Control is enabled, the background noise is reduced during an intercom conversation. When it is disabled, the background noise is mixed with your voice during intercom.

9.7 Delete All Bluetooth Pairing Information

Voice Prompt	“Delete all pairings”
Factory Default	N/A
Execute	Tap the Center Button

To delete all Bluetooth pairing information on the Sena Expand Boom, tap the **(+) Button** or the **(-) Button** until you hear a voice prompt, **“Delete all pairings”**. Tap the **Center Button** to confirm.

9.8 Universal Intercom Pairing

Voice Prompt	“Universal Intercom Pairing”
Factory Default	N/A

To go into Universal Intercom Pairing mode, tap the **(+)** **Button** or the **(-)** **Button** until you hear a voice prompt, **“Universal Intercom Pairing”**.

Please refer to section 7.1 for details on Universal Intercom Pairing. If you tap the **(+)** or **(-)** **Button**, you can exit from the Universal Intercom Pairing mode.

9.9 Reset to Factory Default Setting

Voice Prompt	“Factory reset”
Factory Default	N/A
Execute	Tap the Center Button

To restore factory default settings on the Sena Expand Boom, tap the **(+)** **Button** or the **(-)** **Button** until you hear a voice prompt, **“Factory reset”**. Tap the **Center Button** to confirm. The Sena Expand Boom powers off with a voice prompt, **“Headset reset, goodbye”**.

9.10 Exit Voice Configuration Menu

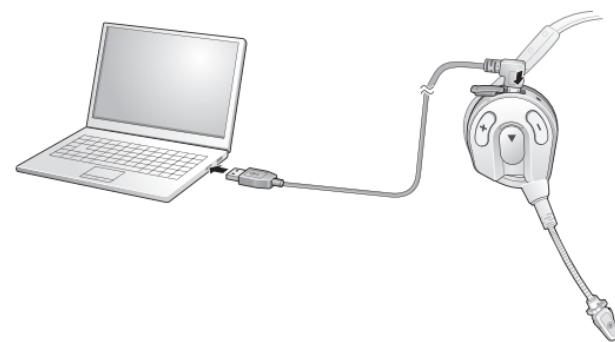
Voice Prompt	“Exit configuration”
Factory Default	N/A
Execute	Tap the Center Button

To exit voice configuration menu and get back to stand-by mode, tap the **(+)** **Button** or **(-)** **Button** until you hear a voice prompt, **“Exit configuration”**. Tap the **Center Button** to confirm.

Tap the (+) Button or (-) Button	Tap the Center Button
Multipoint Pairing	None
Phone Selective Pairing	None
Media Selective Pairing	None
Speed Dial	Execute
Voice prompt	Enable/Disable
Advanced Noise Control	Enable/Disable
Delete All Pairings	Execute
Universal Intercom Pairing	Execute
Factory Reset	Execute
Exit Configuration	Execute

Voice Configuration Menu & Button Operations**10 FIRMWARE UPGRADE**

The Sena Expand Boom supports a firmware upgrade function. Please visit the Sena web site at www.sena.com to check the latest software downloads.



11 TROUBLESHOOTING

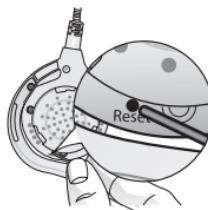
11.1 Fault Reset

When the Sena Expand Boom is not working properly or is faulty for any reason, you may reset it by pushing the **pinhole reset button** at the back of the headset main unit.

1. Rotate the speaker pad of the left headset counter-clockwise to detach it.



2. Insert a paper clip into the reset pin-hole and tap the reset button for a second using light pressure. The Sena Expand Boom will be switched off, and you have to turn the system back on and try again. However, this will not restore the headset to the factory default settings.



11.2 Factory Reset

If you want to restore the headset to factory default settings, use the **Factory Reset** in the configuration menu. The headset automatically restores the default settings and turns off.

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