



TUFFTALK LITE

Industrial Bluetooth® Communication System



English



WARNING

To minimize the risk of serious injury, death or product damage, read this User's Guide and the Quick Start Guide before using the product for the first time.

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CONTENTS

1	PACKAGE CONTENTS	5
1.1	Over-the-Head Earmuff Type	5
1.2	Hard Hat Mount Earmuff Type	5
2	INSTALLING THE TUFFTALK LITE	6
2.1	Installing the Headset (Hard Hat Mount Earmuff Type).....	6
2.2	Replacing the Ear Pads	7
3	GETTING STARTED	8
3.1	Button Operation	8
3.2	Sena Softwares	9
3.3	Powering On and Off.....	9
3.4	Charging.....	9
3.5	Low Battery Warning.....	10
3.6	Checking the Battery Level.....	10
3.7	Volume Adjustment	11
4	PAIRING THE TUFFTALK LITE WITH BLUETOOTH DEVICES	11
4.1	Mobile Phone Pairing - Mobile Phone, Bluetooth Stereo Device	12
4.2	Second Mobile Phone Pairing - Second Mobile Phone and SR10	12
4.3	Advanced Selective Pairing - A2DP Stereo or Handsfree	13
4.4	Intercom Pairing - Other Tufftalk Lite headsets.....	14
5	MOBILE PHONE	15
5.1	Mobile Phone Call Making and Answering.....	15
5.2	Speed Dialing.....	16
6	STEREO MUSIC	17
6.1	Bluetooth Stereo Music	17
6.2	Music Sharing	18
7	INTERCOM	18
7.1	Two-way Intercom	18
7.2	Three-way Intercom	19
7.3	Four-way Intercom.....	21
8	THREE-WAY CONFERENCE PHONE CALL WITH INTERCOM PARTICIPANT	22
9	UNIVERSAL INTERCOM	23
9.1	Universal Intercom Pairing.....	23
9.2	Two-way Universal Intercom	24
9.3	Three-way Universal Intercom	24
9.4	Four-way Universal Intercom	26
10	GROUP INTERCOM	28
11	FM RADIO	28
11.1	FM Radio On and Off	28
11.2	Preset Stations.....	28
11.3	Seek and Save	29
11.4	Scan and Save	29
11.5	Temporary Preset	30
11.6	Region Selection	30
12	FUNCTION PRIORITY	30

13 HEADSET CONFIGURATION SETTINGS.....	31
13.1 Mobile Phone Pairing.....	32
13.2 Second Mobile Phone Pairing.....	32
13.3 Phone selective pairing.....	32
13.4 Media Selective Pairing.....	32
13.5 Delete All Bluetooth Pairing Information.....	33
13.6 Universal Intercom Pairing.....	33
13.7 Factory Reset.....	33
13.8 Exit Voice Configuration Menu.....	33
14 SOFTWARE CONFIGURATION SETTINGS.....	34
14.1 Assigning Speed Dial.....	34
14.2 Enabling/Disabling Audio Boost (Default: Disable).....	34
14.3 Enabling/Disabling Voice Activated Phone Answering (Default: Enable).....	35
14.4 Enabling/Disabling Voice Activated Intercom (Default: Disable).....	35
14.5 Enabling/Disabling HD Intercom (Default: Enable).....	35
14.6 Setting Intercom VOX Sensitivity (Default: 3).....	35
14.7 Enabling/Disabling Voice Prompts (Default: Enable).....	36
14.8 Enabling/Disabling RDS AF (Default: Disable).....	36
14.9 Enabling/Disabling FM Station Guide (Default: Enable).....	36
14.10 Enabling/Disabling Sidetone (Default: Disable).....	36
14.11 Enabling/Disabling Advanced Noise Control™ (Default: Enable).....	36
15 FIRMWARE UPGRADE.....	37
16 TROUBLESHOOTING.....	37
16.1 Intercom Failure.....	37
16.2 Intercom Reconnection.....	37
16.3 Fault Reset.....	38
16.4 Factory Reset.....	38

1 PACKAGE CONTENTS

1.1 Over-the-Head Earmuff Type

- **Headset**



- **USB Power & Data Cable**



- **Microphone Sponge (2)**

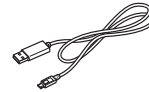


1.2 Hard Hat Mount Earmuff Type

- **Headset Main Units**
(including the Type A Hard Hat Adapter for Tufftalk Lite)



- **USB Power & Data Cable**



- **Microphone Sponge (2)**



- **Rubber Pad (2)**

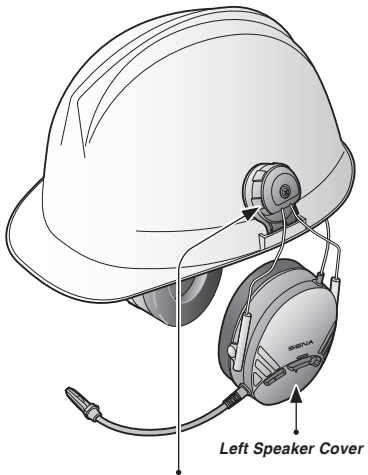


- **Type B Hard Hat Adapter for Tufftalk Lite (2)**



2 INSTALLING THE TUFFTALK LITE

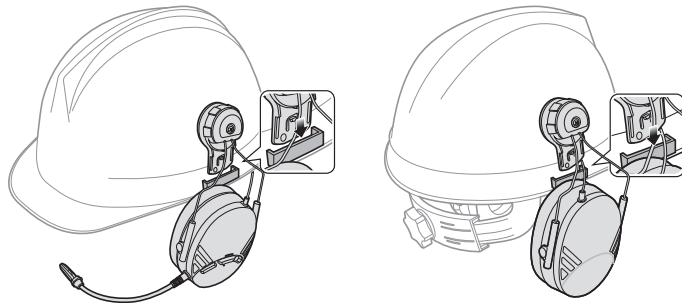
2.1 Installing the Headset (Hard Hat Mount Earmuff Type)



Type A Hard Hat Adapter for Tufftalk Lite

Tufftalk Lite Headset

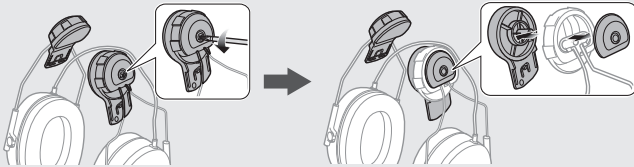
1. Attach the headsets to each side of the hard hat by sliding them into the left and right slots of the hard hat. The headset with the microphone should be mounted on the left side of the hard hat.



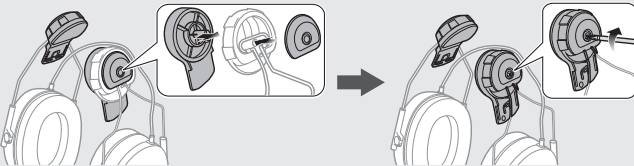
2. Organize the cables under the hard hat suspensions.

Note:

- If the rubber pad on the inner surface of the bracket-top begins to fray, replace it with the included pad.
- If the Type A Hard Hat Adapters do not fit in the left and right slots of the hard hat, replace them with the Type B Hard Hat Adapters. Refer to the following procedure:
 1. Loosen the screws and remove the Type A Hard Hat Adapters and the top covers.

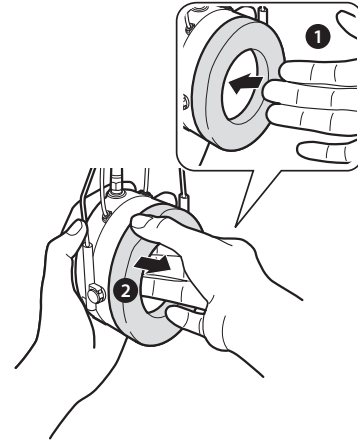


2. Assemble the Type B Hard Hat Adapters and the top covers, and tighten the screws.



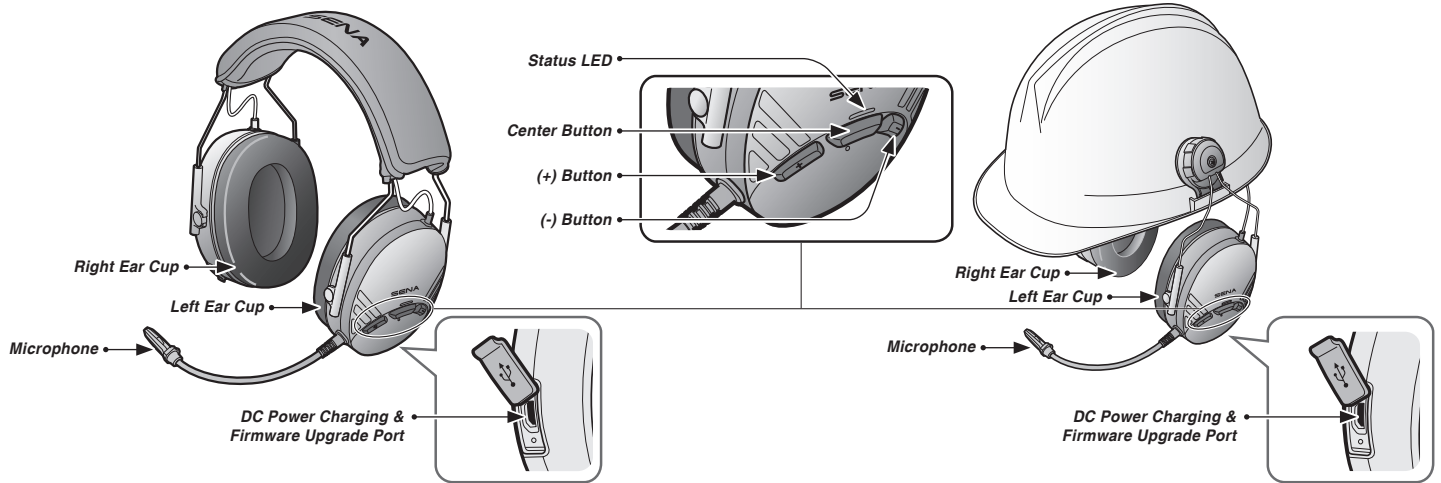
2.2 Replacing the Ear Pads

1. Use your fingers to remove the ear pads.
2. Insert the included ear pads.



3 GETTING STARTED

3.1 Button Operation



Tufftalk Lite Headset Buttons

3.2 Sena Softwares

3.2.1 Sena Industrial App

By simply pairing your phone with your headset, you can use the **Sena Industrial App** for quicker and easier set up and management.

- App Features
 - Music, FM Radio, Device settings, Quick Start Guide, and User's Guide
- Download
 - Android: Google Play Store > '**Sena Industrial**'
 - iOS: App Store > '**Sena Industrial**'

3.2.2 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.senaindustrial.com.

3.3 Powering On and Off

To power on the headset, press and hold the Center Button and the (+) Button for 1 second at the same time while hearing ascending beeps and a voice prompt, **"Hello"**. To power off the headset, tap the Center Button and the (+) Button at the same time while hearing descending beeps and a voice prompt, **"Goodbye"**.

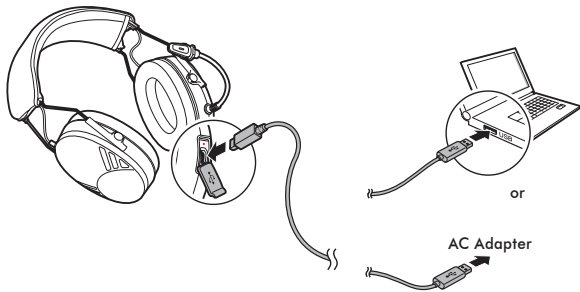
3.4 Charging



WARNING

When charging the battery, use only the approved charger provided by the manufacturer. Use of a non-approved charger may cause fire, explosion, leakage, and other hazards which may also reduce the life time or performance of the battery.

You can charge the headset by connecting the supplied USB power & data cable into a computer's USB port or USB wall charger. You can use any standard micro USB cable to charge the units. The charging LED turns red while charging and turns blue when fully charged. It takes about 2.5 hours to be completely charged.



Note:

- Any 3rd party USB charger can be used with Sena products if the charger is approved by either the FCC, CE, IC or other locally approved agencies that Sena accepts.
- The Tufftalk Lite is compatible with 5 V input USB-charged devices only.

CAUTION

Please make sure to take off your Tufftalk Lite while charging. The headset automatically turns off during charging.

3.5 Low Battery Warning

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

3.6 Checking the Battery Level

You can check the battery level in two different ways when the headset is powering on.

3.6.1 LED Indicator

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%

Note:

- The battery performance may be reduced over time with usage.
- Battery life may vary depending on conditions, environmental factors, functions of the product in use, and devices used with it.

3.6.2 Voice Prompt Indicator

When you power on the headset, keep pressing the Center Button and the (+) Button simultaneously for 3 seconds until you hear three, high-toned beeps. Then you will hear a voice prompt indicating the battery level. However, if you release the buttons as soon as the headset turns on, you will not hear a voice prompt for the battery level indication.

3.7 Volume Adjustment

You can easily adjust the volume by tapping the (+) Button or the (-) Button. You will hear a beep when the volume reaches the maximum or minimum level. The volume is set and maintained independently at different levels for each audio source even when you reboot the headset. For example, once you set the volume for mobile phone handsfree, it will not change even if you adjust the volume for your Bluetooth MP3 music. However, if you adjust the volume during stand-by mode, it will affect volume levels of every audio source.



WARNING

Use of the product at a high volume for a long period of time may damage your eardrums or hearing ability. Keep the volume at a modest level to prevent damage.

4 PAIRING THE TUFFTALK LITE WITH BLUETOOTH DEVICES

Before using the Tufftalk Lite Bluetooth headset with any other Bluetooth devices for the first time, you will need to pair them together. You can pair the Tufftalk Lite with Bluetooth mobile phones, Bluetooth stereo devices such as MP3 players and with other Sena Bluetooth headsets. The pairing operation is required only once for each Bluetooth device. The headset remains paired with the devices and automatically reconnects to them when they are within range. You will hear a high-toned single beep and a voice prompt whenever the headset reconnects to the paired device: **“Phone connected”** to a mobile phone, **“Media connected”** to a Bluetooth stereo device.

4.1 Mobile Phone Pairing - Mobile Phone, Bluetooth Stereo Device

1. To enter the voice configuration menu, press and hold the Center Button for 10 seconds until you hear the voice prompt, **“Configuration menu”**.
2. By tapping the (+) Button, you will hear the voice prompt, **“Phone pairing”**.
3. Enter 0000 for the PIN. Some mobile phones may not ask for the PIN.
4. The mobile phone confirms that pairing has been completed and the Tufftalk Lite is ready to use. You will hear a voice prompt, **“Your headset is paired”**.
5. If the pairing process is not completed within three minutes, the Tufftalk Lite will return to stand-by mode.

Note:

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

4.2 Second Mobile Phone Pairing - Second Mobile Phone and SR10

Typical Bluetooth headsets can connect with only one Bluetooth device, but a second mobile phone pairing allows the headset to connect with another Bluetooth device such as a second mobile phone, an MP3 Player, or the Sena SR10, the Bluetooth adapter.

1. To enter the voice configuration menu, press and hold the Center Button for 10 seconds until you hear the voice prompt, **“Configuration menu”**.
2. Tap the (+) Button until you hear a voice prompt, **“Second mobile phone pairing”**.
3. Search for Bluetooth devices on your mobile phone. Select the Sena Tufftalk Lite in the list of the 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 the pairing has completed and the Tufftalk Lite is ready to use. You will hear a voice prompt, **“Your headset is paired”**.

Note:

- *If you have two audio (A2DP) devices connected to your headset then the audio from one device will interrupt the audio from the other device. For example, if you are playing music from the primary mobile phone, then it can be interrupted by playing music from the secondary mobile phone and vice versa.*
- *The Sena SR10 is a Bluetooth two-way radio adapter for group communication, and uses Hands-Free Profile. 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.*

4.3 Advanced Selective Pairing - A2DP Stereo or Handsfree

When you are using a smartphone, sometimes you may need to selectively use the Tufftalk Lite for A2DP stereo music only or for mobile phone handsfree only. These instructions are for advanced users who want to pair the Tufftalk Lite to their smartphones with only one selective profile: A2DP for stereo music or HFP for phone calls.

If you have previously paired a mobile phone to the Tufftalk Lite, you must clear the previous pairing list on both devices: the mobile phone and the Tufftalk Lite. To clear the pairing list on the Tufftalk Lite, please do a factory reset or following the pairing list clearing procedure described in *section 13.7, "Factory Reset"* or *13.5, "Delete All Bluetooth Pairing Information"*. To clear the pairing list on the mobile phone, please refer to *the mobile phone manual*. For most smartphones, delete the Sena Tufftalk Lite from the list of Bluetooth devices in the settings menu.

4.3.1 A2DP Stereo Music Only

1. To enter the voice configuration menu, press and hold the Center Button for 10 seconds until you hear the voice prompt, **“Configuration menu”**.
2. Tap the (+) Button four times and you will hear the voice prompt, **“Media selective pairing”**.
3. Search for Bluetooth devices on your smartphone. Select Sena Tufftalk Lite in the list of devices detected on your phone.
4. Enter 0000 for the PIN. Some mobile phones may not ask for the PIN.

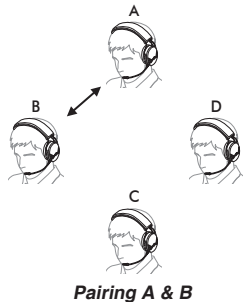
4.3.2 HFP for Phone Call Only

1. To enter the voice configuration menu, press and hold the Center Button for 10 seconds until you hear the voice prompt, **“Configuration menu”**.
2. Triple tap the (+) Button and you will hear the voice prompt, **“Phone selective pairing”**.
3. Search for Bluetooth devices on your smartphone. Select Sena Tufftalk Lite in the list of devices detected on your phone.
4. Enter 0000 for the PIN. Some mobile phones may not ask for the PIN.

4.4 Intercom Pairing - Other Tufftalk Lite headsets

The Tufftalk Lite can be paired with up to three other headsets for Bluetooth intercom conversation.

1. Turn on the two Tufftalk Lite 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-toned single beep and the voice prompt, **“Intercom pairing”**.
3. Simply tap the Center Button of any one of the two headsets A or B and intercom connection is automatically established. The two Tufftalk Lite headsets A and B are paired with each other for intercom conversation. If the pairing process is not completed within one minute, the Tufftalk Lite will return to stand-by mode.



4. You can make other pairing 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 **first intercom friend**. The previous intercom friend becomes **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.*

5 MOBILE PHONE

5.1 Mobile Phone Call Making and Answering

1. When you have an incoming call, simply tap the Center Button to answer the call.
2. You can also answer the incoming call by loudly speaking any word of your choice if Voice Activated Phone Answering (VOX Phone) is enabled, unless you are connected to intercom.
3. To end a call, press the Center Button for 2 seconds, or wait for the called person to end the call.
4. To reject a call, press the Center Button for 2 seconds while the phone is ringing.
5. There are several ways to make a phone call:
 - Enter numbers on your mobile phone's keypad and make a call. Then the call is automatically transferred to the headset.
 - In stand-by mode, press the Center Button for 3 seconds, to activate the voice dialing of your mobile phone. For this, the voice dialing function must be available on the mobile phone. Refer to your mobile phone manual for further instruction.

Note:

If you have two phones connected to your headset and you have an incoming call from the second phone during the call of the first phone, then you may still receive the call from the second phone. In this case, the call from the first phone is on waiting mode. If you end a call, then it will automatically guide you to the first phone call.

5.2 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-toned 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

(4) Speed dial 3

(2) Speed dial 1

(5) Cancel

(3) Speed dial 2

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 voice prompt, **“Cancel”**, and tap the Center Button. If you do not press any button within 15 seconds, the Tufftalk Lite will exit the voice speed dial menu and go back to stand-by mode.

Note:

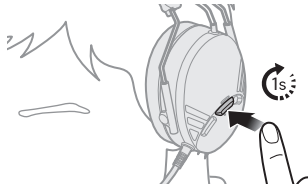
- *Make sure that you connect the mobile phone and the headset to use the speed dial function.*
- *You need to assign speed dial numbers before using the speed dial (please refer to section 14.1, “Assigning Speed Dial”).*

6 STEREO MUSIC

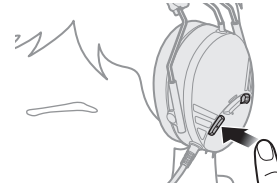
6.1 Bluetooth Stereo Music

The Bluetooth audio device must be paired with the Tufftalk Lite by following the *section 4.1, "Mobile Phone Pairing - Mobile Phone, Bluetooth Stereo Device"* procedure. The Tufftalk Lite supports the Audio/Video Remote Control Profile (AVRCP), so if your Bluetooth audio device also supports the AVRCP, you can use the Tufftalk Lite to remotely control music playback. Not only can you adjust the volume but you can also use functions such as play, pause, next track and previous track.

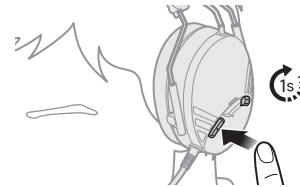
1. To play or pause music, press the Center Button for 1 second.



2. To adjust the volume, tap the (+) Button or the (-) Button.



3. To track forward or track back, press the (+) Button or the (-) Button for 1 second.



6.2 Music Sharing

You can start sharing music with an intercom friend using Bluetooth stereo music during a two-way intercom conversation (please refer to *section 7.1, "Two-way Intercom"*). When you terminate music sharing, you can go back to the intercom conversation. To start or terminate sharing music, press the Center Button for 1 second during an intercom conversation. To track forward or track back, press and hold the (+) Button or the (-) Button for 1 second.

Note:

Both you and your intercom friend can remotely control music playback such as track forward and track back.

7 INTERCOM

Please make sure your intercom devices are paired as described in *section 4.4, "Intercom Pairing - Other Tufftalk Lite headsets"*.

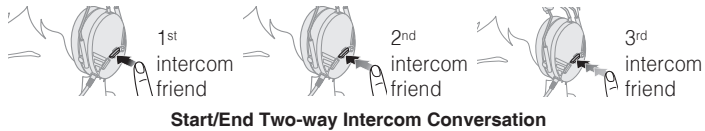
7.1 Two-way Intercom

7.1.1 Starting Two-way Intercom

You can start an intercom conversation with one of any intercom friends by tapping the Center Button. Tap the Center Button once to intercom with the **first intercom friend**, tap the Center Button twice to intercom with the **second intercom friend**, and tap the Center Button three times to intercom with the **third intercom friend**.

7.1.2 Ending Two-way Intercom

You can end an intercom conversation by using the Center Button. Press and hold the Center Button for 1 second to end any intercom. Or, you can single tap to end intercom with the **first intercom friend**, double tap to end intercom with the **second intercom friend**, and triple tap to end intercom with the **third intercom friend**.

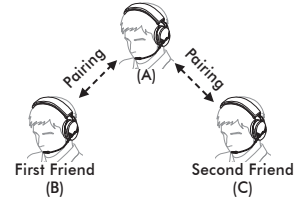


7.2 Three-way Intercom

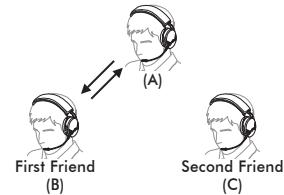
7.2.1 Starting Three-way Intercom

You (A) can have a three-way conference intercom with two other Tufftalk Lite friends (B & C) by establishing two intercom connections simultaneously. While a three-way conference intercom is in progress, mobile phone connection of all three participants is temporarily disconnected. However, as soon as the conference intercom terminates or one of the participants leaves the intercom, all mobile phones automatically reconnect to their headsets. If you have an incoming mobile phone call during the conference intercom, terminate the conference intercom to automatically reconnect and receive the phone call.

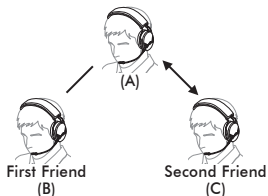
1. You (A) need to be paired with two other friends (B & C) for three-way conference intercom.



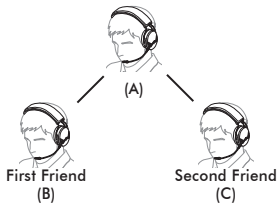
2. Start an intercom conversation with one of the two friends in your intercom group. For example, you (A) may start an intercom conversation with the intercom friend (B). Or intercom friend (B) may start an intercom call with you (A).



- You (A) can call the second intercom friend (C) by double tapping the Center Button, or the second intercom friend (C) may join the intercom by making an intercom call to you (A).



- Now you (A) and two Tufftalk Lite intercom friends (B & C) are having a three-way conference intercom.



7.2.2 Ending Three-way Intercom

You can completely terminate the conference intercom or just disconnect an intercom connection with one of your active intercom friends.

- Press 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).
- Tap or double tap 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 just the first intercom friend (B). However, you still have the intercom connection with your second intercom friend (C).

Center Button Operation	Result
Press for 1 second	Disconnect (B) & (C)
Single tap	Disconnect (B)
Double tap	Disconnect (C)

End Three-way Intercom

7.3 Four-way Intercom

7.3.1 Starting Four-way Intercom

You can have four-way conference intercom with three other Tufftalk Lite users by adding one more intercom participant to the three-way intercom. While you are having a three-way intercom as above in *section 7.2, "Three-way Intercom"*, 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).

7.3.2 Ending Four-way Intercom

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

1. Press the Center Button for 1 second until you hear mid-tone double beeps to terminate four-way conference intercom. It terminates the intercom connections between you (A), and your intercom friends (B) and (C).

2. Tap or double tap 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 double tapping 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 Operation	Result
Press for 1 second	Disconnect (B), (C) & (D)
Single tap	Disconnect (B)
Double tap	Disconnect (C) & (D)

End Four-way Intercom

Note:

Multiple headsets are connected during multi-way intercom. With various signals interfering each other, the intercom distance of multi-way intercom is relatively shorter than that of two-way intercom.

8 THREE-WAY CONFERENCE PHONE CALL WITH INTERCOM PARTICIPANT

1. When you have an incoming mobile phone call during an intercom conversation, you will hear a ringtone. 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.*
 - 1) To answer the phone call and stop the intercom conversation, tap the Center Button. The VOX Phone feature does not work if you are connected to intercom. When you hang up the phone call, the intercom will automatically be recovered.
 - 2) To reject the phone call and stay on the intercom conversation, press the Center Button for 2 seconds.
2. When you have an incoming intercom call during a mobile phone call, you will hear 4 high-toned 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 call because intercom has lower priority than mobile call. You have to hang up the mobile phone call to make or receive an intercom call.

3. You can have a three-way conference phone call by adding an intercom friend to the mobile phone conversation. During a mobile phone conversation, tap the Center Button to invite one of the intercom friends to 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. To end the mobile phone call first and maintain the intercom conversation, press the Center Button for 2 seconds, or wait for the person on the mobile phone line to end the call.

9 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. The Universal Intercom affects both the phone call connection and the multipoint connection (devices paired via Second Mobile Phone Pairing).

Note:

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

9.1 Universal Intercom Pairing

The Tufftalk Lite can be paired with non-Sena Bluetooth headsets for Bluetooth intercom conversation. You can pair the Tufftalk Lite with only one non-Sena Bluetooth headset so if you pair with a different non-Sena Bluetooth headset, the previous pairing will be removed.

1. Turn on the Tufftalk Lite and a non-Sena Bluetooth headset that you want to pair with.
2. Press the Center Button for 10 seconds to enter the configuration menu. Tap the (+) Button or the (-) Button until you hear a voice prompt, **“Universal intercom pairing”**. Tap the Center Button to enter into Universal Intercom Pairing mode and the blue LED will flash rapidly and you will hear multiple beeps. Please refer to *section 13.6, “Universal Intercom Pairing”* for more details.
3. Perform the operation required for handsfree pairing on the non-Sena Bluetooth headset (refer to *the User’s Guide for the headsets* you want to use). The Tufftalk Lite will automatically pair with a non-Sena Bluetooth headset when each are in pairing mode.

9.2 Two-way Universal Intercom

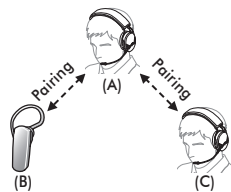
You can initiate the Universal Intercom connection with non-Sena Bluetooth headsets using the same intercom connection method as you would between other Sena headsets. You may single tap the Center Button to begin an intercom conversation with the first intercom friend, double tap with the second intercom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

Non-Sena Bluetooth headsets may initiate the Universal Intercom connection, by activating the voice dialer or using the redialing operation. You may also disconnect the existing connection by using the operation to end a call (refer to *the User's Guide of the headsets* for voice dialer, redialing, and ending a call).

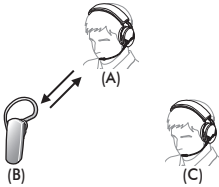
9.3 Three-way Universal Intercom

You may make a three-way Universal Intercom connection with two Tufftalk Lite headsets 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.

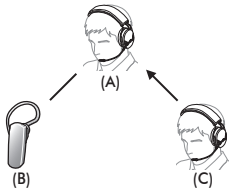
1. You (A) need to be paired with a non-Sena Bluetooth headset (B) and another Tufftalk Lite headset (C) for the three-way conference intercom.



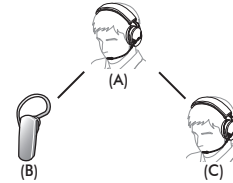
2. Start an intercom conversation with non-Sena Bluetooth headset (B) in your intercom group. For example, you (A) may start an intercom conversation with non-Sena Bluetooth headset (B). The non-Sena Bluetooth headset (B) may also start an intercom call with you (A).



3. The other Tufftalk Lite (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 Tufftalk Lite (C) are having a three-way conference intercom.



5. You may disconnect three-way Universal Intercom using the same way as you do in normal three-way intercom. Please refer to *section 7.2.2, "Ending Three-way Intercom"*.

9.4 Four-way Universal Intercom

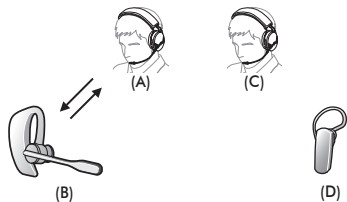
You may make a four-way Universal Intercom connection with a couple of different configurations, 1) *three Tufftalk Lite headsets and one non-Sena Bluetooth headset* or 2) *two Tufftalk Lite headsets and two non-Sena Bluetooth headsets*.

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

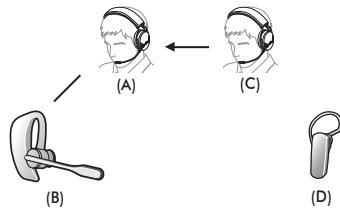
9.4.1 Four-way Universal Intercom Case 1

Two Tufftalk Lite headsets (A and C) and two non-Sena Bluetooth headsets (B and D)

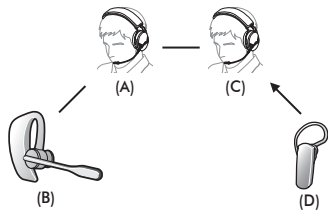
1. You (A) may start an intercom conversation with the non-Sena Bluetooth headset (B).



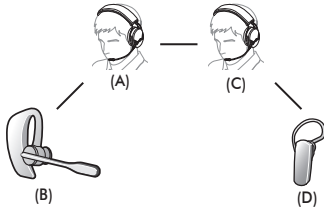
2. The other Tufftalk Lite (C) may join the intercom by making an intercom call to you (A).



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



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

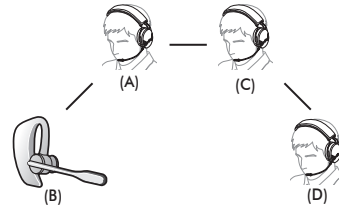


You may disconnect a four-way Universal Intercom using the same way as you do in a normal four-way intercom. Please refer to *section 7.3.2, "Ending Four-way Intercom"*.

9.4.2 Four-way Universal Intercom Case 2

Three Tufftalk Lite headsets (A, C and D) and one non-Sena Bluetooth headset (B)

The procedure is the same as case 1 described in *section 9.4.1, "Four-way Universal Intercom Case 1"*.



10 GROUP INTERCOM

Group Intercom allows you to instantly create a multi-way conference intercom with three other most recently paired headsets.

1. Go through intercom pairing with up to three headsets you want to have Group Intercom with.
2. Tap the (+) Button and (-) Button simultaneously to begin Group Intercom. The LED will flash green and you will hear a voice prompt, **“Group intercom connected”**.
3. To terminate Group Intercom, press the Center Button for 1 second during Group Intercom. You will hear a voice prompt, **“Group intercom terminated”**.

11 FM RADIO

11.1 FM Radio On and Off

To turn on the FM radio, press the (-) Button for 1 second until you hear mid-toned double beeps sound. You will then hear a voice prompt, **“FM on”**. To turn off the FM radio, press the (-) Button for 1 second until you hear a voice prompt, **“FM off”**. When you power it off, the Tufftalk Lite will remember the last station frequency. When you power it on, the last station frequency will be playing.

11.2 Preset Stations

You can listen to preset stations while listening to the FM radio. Press the Center Button for 1 second to go upward to your next saved preset station.

11.3 Seek and Save

“Seek” is the function that searches for station to station frequencies. To use the “Seek” function, please follow the procedure below:

1. Double tap the (+) Button or the (-) Button to search down or up the station dial.
2. If the tuner finds a station while searching frequencies, it stops the seek function.
3. To save the current station, press and hold the Center Button for 3 seconds until you hear a voice prompt, “**Preset (#)**”.
4. Tap the (+) Button or the (-) Button in order to select which preset number you want for that specific station. You can save up to 10 preset stations. (You may cancel the preset operation by waiting approximately 10 seconds. You will then hear “**Save preset cancelled**”. You can also tap the (+) Button or the (-) Button until you hear “**Cancel**”. Tap the Center Button to confirm cancellation. You will then hear “**Save preset cancelled**”.)
5. To save the current station, press the (+) Button for 1 second. You will then hear a voice prompt, “**Save preset (#)**”.
6. To delete the saved station in the preset number, press the (-) Button for 1 second. You will then hear a voice prompt, “**Delete preset (#)**”.

Note:

- You can save FM stations to presets before using FM radio. Connect the Tufftalk Lite to your PC and open the Sena Device Manager. It allows you to save up to 10 FM station frequency presets on the Tufftalk Lite settings menu. You may do the same operation by using the Sena Industrial App.
- You can still answer an incoming phone call and intercom while listening to the FM radio.

11.4 Scan and Save

“Scan” is the function that automatically searches station frequencies, starting from the current frequency and up. To use the scan function, please follow the procedures below:

1. Press the (+) Button for 1 second. Then the current station frequency moves upward to find other station frequencies.
2. If the tuner finds a station, it stays at the station frequency for 8 seconds, then scanning to the next station frequency.
3. Scan function stops when you press the (+) Button for 1 second again.
4. To save a station while scanning frequencies, tap the Center Button when at that station. You will hear a voice prompt from the Tufftalk Lite, “**Save preset (#)**”. The station will be saved as the next preset number.

- All stations preset during “Scan”, will overwrite previously set stations.

11.5 Temporary Preset

With the temporary preset function, you may temporarily preset stations automatically without changing the existing preset stations. Tap the (+) Button three times to automatically scan for 10 temporary preset stations. The temporary preset stations will be cleared when the system is powered off.

11.6 Region Selection

You can select the proper FM frequency region from the Sena Device Manager. With the region setting, you may optimize the seek function to avoid unnecessary frequency ranges.

Region	Frequency range	Step
Worldwide	76.0 ~ 108.0 MHz	± 100 kHz
Americas	87.5 ~ 107.9 MHz	± 200 kHz
Asia	87.5 ~ 108.0 MHz	± 100 kHz
Australia	87.5 ~ 107.9 MHz	± 200 kHz
Europe	87.5 ~ 108.0 MHz	± 100 kHz
Japan	76.0 ~ 95.0 MHz	± 100 kHz

12 FUNCTION PRIORITY

The Tufftalk Lite operates in the following order of priority:

(highest)

Mobile phone

Intercom

Music sharing by Bluetooth stereo music

FM Radio

(lowest)

Bluetooth stereo music

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

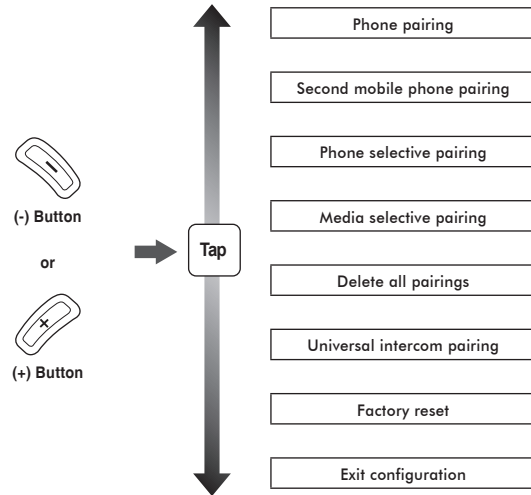
13 HEADSET CONFIGURATION SETTINGS

You can set the configuration of the Tufftalk Lite by the voice menu instruction described below.

1. To enter into voice configuration menu, press and hold the Center Button for 10 seconds until you hear high-toned double beeps. You will also hear a voice prompt, **“Configuration menu”**.
2. Tap the (+) Button or the (-) 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 no button is pressed within 10 seconds, the Tufftalk Lite will exit the configuration and go back to stand-by mode.
5. If you want to exit the configuration immediately, tap the (+) Button or the (-) Button until you hear a voice prompt, **“Exit configuration”**, and tap the Center Button.

The voice prompt for each menu item is as below:

- | | |
|--|---------------------------------------|
| (1) <i>Phone pairing</i> | (5) <i>Delete all pairings</i> |
| (2) <i>Second mobile phone pairing</i> | (6) <i>Universal intercom pairing</i> |
| (3) <i>Phone selective pairing</i> | (7) <i>Factory reset</i> |
| (4) <i>Media selective pairing</i> | (8) <i>Exit configuration</i> |



13.1 Mobile Phone Pairing

Voice Prompt	“Phone pairing”
Factory Default	N/A

To go into mobile phone pairing mode, tap the (+) Button or the (-) Button until you hear the voice prompt, **“Phone pairing”**. Please refer to *section 4.1, “Mobile Phone Pairing - Mobile Phone, Bluetooth Stereo Device”* for details on mobile phone pairing. If you tap the (+) Button or the (-) Button, you can exit from the phone pairing mode.

13.2 Second Mobile Phone Pairing

Voice Prompt	“Second mobile phone pairing”
Factory Default	N/A

To go into second mobile phone pairing mode, tap the (+) Button or the (-) Button until you hear the voice prompt, **“Second mobile phone pairing”**. Please refer to *section 4.2, “Second Mobile Phone Pairing - Second Mobile Phone and SR10”* for details on second mobile phone pairing. If you tap the (+) Button or the (-) Button, you can exit from the second mobile phone pairing mode.

13.3 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 the voice prompt, **“Phone selective pairing”**. Please refer to *section 4.3.2, “HFP for Phone Call Only”* for details on phone selective pairing. If you tap the (+) Button or the (-) Button, you can exit from the phone selective pairing mode.

13.4 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 the voice prompt, **“Media selective pairing”**. Please refer *section 4.3.1, “A2DP Stereo Music Only”* for details on media selective pairing. If you tap the (+) Button or the (-) Button, you can exit from the media selective pairing mode.

13.5 Delete All Bluetooth Pairing Information

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

To delete all Bluetooth pairing information of the Tufftalk Lite, tap the (+) Button or the (-) Button until you hear a voice prompt, **“Delete all pairings”**, and tap the Center Button to confirm.

13.6 Universal Intercom Pairing

Voice Prompt	“Universal intercom pairing”
Factory Default	N/A
Execute	Tap the Center Button

To enter into Universal Intercom Pairing mode, tap the (+) Button or the (-) Button until you hear a voice prompt, **“Universal intercom pairing”**. Then tap the Center Button to enter into Universal Intercom Pairing mode. The headset will automatically exit from the configuration menu.

13.7 Factory Reset

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

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

13.8 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 the (-) Button until you hear a voice prompt, **“Exit configuration”**, and tap the Center Button to confirm.

Tap (+) Button or (-) Button	Tap Center Button
Phone Pairing	None
Second Mobile Phone Pairing	None
Phone Selective Pairing	None
Media Selective Pairing	None
Delete All Pairings	Execute
Universal Intercom Pairing	Execute
Factory Reset	Execute
Exit Configuration	Execute

Voice Configuration Menu & Button Operations

14 SOFTWARE CONFIGURATION SETTINGS

In addition to the headset configuration menu, you can change the settings of the Tufftalk Lite through the Sena Device Manager or the Sena Industrial App.

14.1 Assigning Speed Dial

Assign phone numbers for speed dialing to make a phone call quickly. Please visit the Sena Industrial website at www.senaindustrial.com for more information.

14.2 Enabling/Disabling Audio Boost (Default: Disable)

Enabling Audio Boost increases the overall maximum volume. Disabling Audio Boost reduces the overall maximum volume, but delivers more balanced sound.

14.3 Enabling/Disabling Voice Activated Phone Answering (Default: Enable)

If this feature is enabled, you can answer incoming calls by voice. When you hear a ringtone for an incoming call, you can answer the phone by saying a word such as **“Hello”** loudly or by blowing air into the microphone. VOX phone is temporarily disabled if you are connected to intercom. If this feature is disabled, you have to tap the Center Button to answer an incoming call.

14.4 Enabling/Disabling Voice Activated Intercom (Default: Disable)

If this feature is enabled, you can initiate an intercom conversation with the last connected intercom friend by voice. When you want to start intercom, say a word such as **“Hello”** loudly or blow air into the microphone. If you start an intercom conversation by voice, the intercom terminates automatically when you and your intercom friend remain silent for 20 seconds. However, if you manually start an intercom conversation by tapping the Center Button, you have to terminate the intercom conversation manually. However, if you start intercom by voice and end it manually by tapping the Center Button, you will not be able to start intercom by voice temporarily. In this case, you have to tap the Center Button to restart the intercom. This is to prevent repeated unintentional intercom connections by strong wind noise. After rebooting the Tufftalk Lite, you can start intercom by voice again.

14.5 Enabling/Disabling HD Intercom (Default: Enable)

HD Intercom enhances the two-way intercom audio from normal quality to HD quality. HD Intercom will become temporarily disabled when you enter into a multi-way intercom. If this feature is disabled, the two-way intercom audio will change to normal quality.

Note:

The intercom distance of HD Intercom is relatively shorter than that of normal intercom.

14.6 Setting Intercom VOX Sensitivity (Default: 3)

VOX sensitivity can be adjusted depending on your riding environment. Level 5 is the highest sensitivity setting and 1 is the lowest.

14.7 Enabling/Disabling Voice Prompts (Default: Enable)

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

- Voice prompts for headset configuration settings menu
- Voice prompts for battery level indicator
- Voice prompts for speed dial
- Voice prompts for FM radio functions

14.8 Enabling/Disabling RDS AF (Default: Disable)

RDS AF allows a receiver to re-tune to the second frequency location when the first signal becomes too weak. With RDS AF enabled on the receiver, a radio station with more than one frequency can be used.

14.9 Enabling/Disabling FM Station Guide (Default: Enable)

When FM Station Guide is enabled, FM station frequencies are given by voice prompts as you select preset stations. When FM Station Guide is disabled, the voice prompts on FM station frequencies will not be given as you select preset stations.

14.10 Enabling/Disabling Sidetone (Default: Disable)

Sidetone is audible feedback of your own voice. It helps you to naturally speak at the correct level according to varying helmet noise conditions. If this feature is enabled, you can hear what you are speaking during an intercom conversation or a phone call.

14.11 Enabling/Disabling Advanced Noise Control™ (Default: Enable)

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.

15 FIRMWARE UPGRADE

The Tufftalk Lite supports firmware upgrades. You can update the firmware using the Sena Device Manager. Please visit Sena Industrial website at www.senaindustrial.com to check the latest software downloads.

16 TROUBLESHOOTING

16.1 Intercom Failure

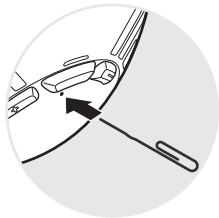
When you try to start an intercom conversation with an intercom friend who is unavailable within range or already having a conference intercom with others or a mobile phone call, you will hear low-toned double beeps signifying an intercom busy signal. In this case, you have to try again later.

16.2 Intercom Reconnection

If your intercom friend goes out of range while having an intercom conversation, you may hear static noise and eventually the intercom will be disconnected. In this case, the Tufftalk Lite automatically tries to reconnect the intercom every 8 seconds and you will hear high-toned double beeps until the intercom is reestablished. If you do not want to make a reconnection, tap the Center Button to stop the attempt.

16.3 Fault Reset

When the Tufftalk Lite is not working properly or is in faulty status for any reason, you may reset by pushing the pin-hole reset button located below the Center Button. Separate the left ear cup and insert a paper clip into the reset pin-hole and press the reset button for a second with light pressure. The Tufftalk Lite will be switched off. Restart the system and try again. This will not restore the headset to factory default settings.



16.4 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. Please refer to *section 13.7, "Factory Reset"* for more details.

