

SMH3

Motorcycle Bluetooth Headset & Intercom



SENA

www.senablueetooth.com

User's Guide

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10. FIRMWARE UPGRADE

1. INTRODUCTION

Thank you for choosing the Sena SMH3, Motorcycle Bluetooth Headset and Intercom. With the SMH3, you can call handsfree on your Bluetooth mobile phone, listen to stereo music or voice instructions of GPS navigation by Bluetooth wirelessly, and have intercom conversations in full duplex with a passenger or other riders.

The SMH3 is compliant with the Bluetooth Specification 3.0 supporting the following profiles: Headset Profile, Hands-Free Profile (HFP), Advanced Audio Distribution Profile (A2DP), and Audio Video Remote Control Profile (AVRCP). Please check with the manufacturers of other devices to determine their compatibility with this headset.

Please read this user's guide carefully before using the headset. Also check www.SenaBluetooth.com for the latest version of the user's guide and additional information related to Sena Bluetooth products.

The SMH3 features:

- Bluetooth handsfree for Bluetooth mobile phones
- Bluetooth stereo headset for Bluetooth stereo devices such as MP3 players
- Bluetooth stereo headset for Bluetooth GPS navigations
- Bluetooth intercom
- Easy operation by two-button
- Installation friendly unibody design
- Firmware upgradeable

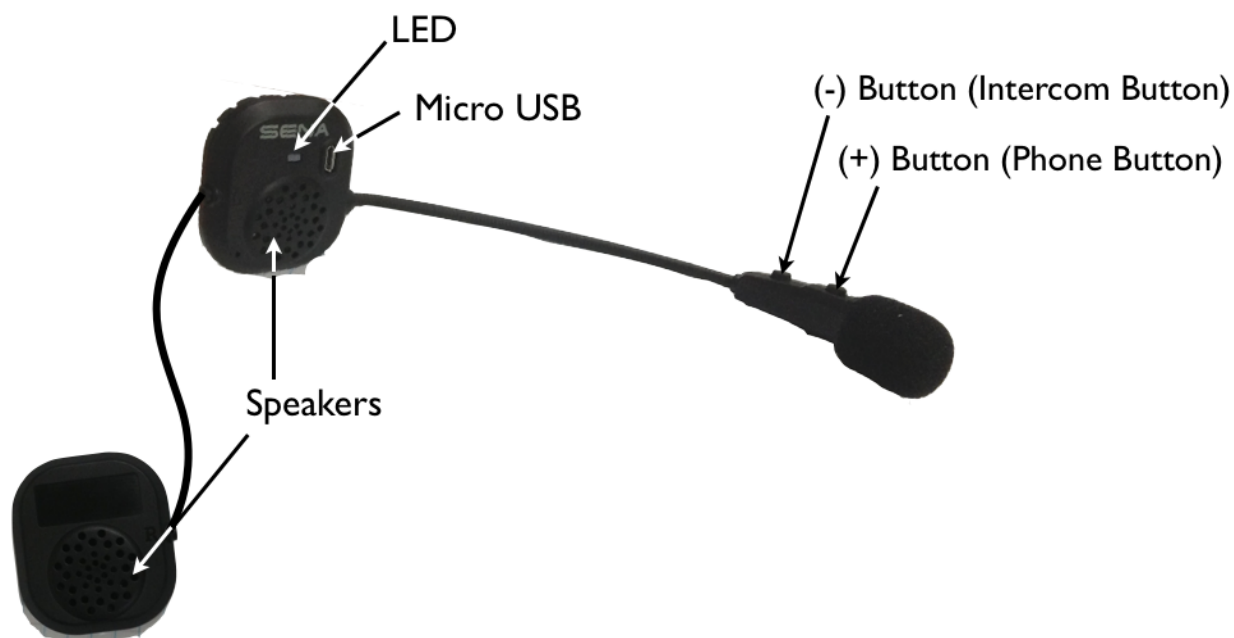
Key Specifications:

- Bluetooth 3.0
- Supporting profiles: Headset Profile, Hands-Free Profile (HFP), Advanced Audio Distribution Profile (A2DP), Audio Video Remote Control Profile (AVRCP)

*In open terrain

2. PACKAGE CONTENTS

SMH3 Headset Unit



Microphone Sponges



USB Power & Data Cable



Velcro Pads for Speakers



3. INSTALLING THE SMH3 ON YOUR HELMET

1. [picture 3-1]	2. [picture 3-2]	3. [picture 3-3]
Remove the left and right side cheekpads from the helmet.	Place the speaker-microphone unit along with the velcro pad to the left inside surface of the external shell, centered to your ear.	The boom microphone should be positioned to face properly towards your mouth. Please make sure that the microphone is located close to your mouth when you wear the helmet.
4. [picture 3-4]	5. [picture 3-5]	6. [picture 3-6]
Place the speaker unit along with the velcro pad to the right inside surface of the external shell, centered to your ear in the ear pockets of the helmet	Lift up the helmet top padding from the back of the helmet and route the speaker wires beneath the padding.	Replace the cheekpads in the helmet making sure the speaker wiring is hidden beneath the padding

4. POWERING ON / OFF AND CHARGING

4.1 Powering On

Press the (+) Button and the (-) Button at the same time for 1 second to power on. The blue LED turns on and you will hear ascending beeps and “Hello”.

4.2 Powering Off

Tap the (+) Button and the (-) Button simultaneously. The red LED turns on for about 2 seconds until it turns off completely and you will hear “Goodbye” and descending beeps.

4.3 Charging

- To charge the SMH3, use the USB Power Cable included in the package by plugging into computer's USB port or USB wall charger. USB wall charger is not included in the package, but you can use any USB wall charger in the market.
- The USB Power Cable is also used for firmware upgrade of the SMH3.
- You can use any of the standard micro-USB cables which is mostly adopted by smartphones and general Bluetooth headsets manufacturers.
- The LED turns on red while charging, and turns to blue when the headset is fully charged. It takes about 2.5 hours to be fully charged.
- A cigarette charger for the SMH3 is separately available as an optional accessory but you can use any micro-USB car charger in the market.*

4.4 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 saying “Low battery”.

*please contact Sena regarding locally approved agencies Sena accepts.

5. CHECKING THE BATTERY LEVEL

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

5.1 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%

5.2 Voice Prompt Indicator

When you power on the headset, keep pressing the (+) Button and (-) Button simultaneously for about 3 seconds until you hear three high tone 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 the voice prompt for the battery level.

6. PAIRING THE SMH3 WITH BLUETOOTH DEVICES

6.1 Mobile Phone Pairing

1. Turn on the SMH3 and press the (+) Button for 5 seconds until the LED flashes red and blue alternately and you hear multiple beeps. You will hear a voice prompt saying **"Phone pairing"**.
2. Search for Bluetooth devices on your mobile phone. Select the Sena SMH3 in the list of the devices detected on the mobile phone.
3. Enter 0000 for the PIN. Some mobile phones may not ask for the PIN.
4. The mobile phone confirms that pairing has completed and the SMH3 is ready to use. You will hear a voice prompt from the SMH3 saying **"Your headset is paired"**.
5. If the pairing process is not completed within three minutes, the SMH3 will return to stand-by mode.

6.2 Multipoint Mobile Phones Pairing

You can simultaneously use two mobile phones which use the mobile phone profile.

1. You can pair the first mobile phone to the SMH3 by following the simple procedures in "6.1 Mobile Phone Pairing".
2. To pair the second mobile phone, press the (-) Button for 5 seconds until the red LED is rapidly flashing and you hear multiple beeps.
3. Within 2 seconds, press the (+) Button for 1 second, then the LED turns to blue flashing and the beeps turn to high tone double beeps. You will hear a voice prompt saying **"Multipoint pairing"**.
4. Search for Bluetooth devices on your mobile phone. Select the Sena SMH3 in the list of the devices detected on the mobile phone.
5. Enter 0000 for the PIN. Some mobile phones may not ask for the PIN.
6. The mobile phone confirms that pairing has completed and the SMH3 is ready to use. You will hear a voice prompt from the SMH3 saying **"Your headset is paired"**.

6.3 Bluetooth Stereo Device Pairing

1. If the Bluetooth stereo device is integrated with the mobile phone such as smartphones, you don't need to pair the SMH3 with it separately. When the SMH3 is paired with the mobile phone, it is also paired as a stereo music device.
2. If you have a stand alone Bluetooth stereo device, follow the pairing procedure separately. The procedure is the same as the procedure of "6.1 Mobile Phone Pairing".

Note:

1. If Bluetooth connection between the headset and a mobile phone is disconnected, press the (+) Button for 3 seconds to recover the Bluetooth connection immediately.
2. If Bluetooth connection between the headset and any other Bluetooth devices is disconnected, tap the (+) Button to recover the Bluetooth connection.

6.4 Bluetooth GPS Navigation Pairing

You can listen to voice instruction from Bluetooth GPS navigation. Some GPS systems use mobile phone profile (HFP, Hands-Free Profile) and others use stereo music profile (A2DP, Advanced Audio Distribution Profile). Most motorcycle specific GPS systems use mobile phone profile for turn-by-turn voice instruction. You can simultaneously use a mobile phone and a GPS which uses mobile phone profile by one of the following procedures.

6.4.1 Multipoint GPS Pairing

If you use GPS only for turn-by-turn voice instructions, not for Bluetooth stereo music streaming, multipoint pairing is recommended for the GPS connection. Multipoint Bluetooth pairing allows the SMH3 to connect two HFP devices at the same time: mobile phone and GPS navigation. Follow the steps below to pair the GPS using the multipoint pairing.

1. Turn on the headset and press the (-) Button for 5 seconds until the red LED is rapidly flashing and you hear multiple beeps.
2. Within 2 seconds, press the (+) Button for 1 second, then the LED turns to blue flashing and the beeps turn to high tone double beeps. You will hear a voice prompt saying “**Multipoint pairing**”.
3. Search for Bluetooth devices on the GPS navigation screen. Select the Sena SMH3 in the list of the devices detected on the GPS.
4. Enter 0000 for the PIN.
5. The GPS confirms that pairing has completed and the SMH3 is ready to use. You will hear a voice prompt from the SMH3 saying “**Your headset is paired**”.
6. If the pairing process is not completed within three minutes, the SMH3 will return to stand-by mode.

The pairing diagram for multipoint GPS pairing is shown in the figure below.

7. PAIRING WITH OTHER SMH3 HEADSETS FOR INTERCOM CONVERSATION

The SMH3 can be paired with up to three other headsets for Bluetooth Intercom conversation.

1. Turn on the two SMH3 headsets (A and B) that you would like to pair with each other.
2. Press and hold the (-) Button of the headset A and B for 5 seconds until red LEDs of the both units start to flash rapidly. You will hear a voice prompt saying “**Intercom pairing**”.

3. Wait until the LEDs of both headsets turn to blue and intercom connection is automatically established. The two SMH3 headsets A and B are paired with each other for intercom conversation. If the pairing process is not completed within one minute, the SMH3 will return to stand-by mode.

8. SMH3 CONFIGURATION SETTING

You can set the configuration of the SMH3 by the voice menu instruction as below.

1. To enter into voice configuration menu, press and hold the (+) Button for 10 seconds until the LED shows solid blue and you hear high tone double beeps. You will hear a voice prompt saying **“Configuration menu”**.
2. Tap the (+) Button to navigate between menus. You will hear voice prompts for each menu items as below.
3. You can enable or disable the feature or execute the command by tapping the (-) Button.
4. If any button is not pressed within 10 seconds, the SMH3 will exit the configuration and goes back to standby.
5. If you want to exit the configuration immediately, press the (+) Button until you hear a voice prompt, **“Exit configuration”**, and tap the (-) Button.

The voice prompt for each menu item is as below:

(1) VOX phone

(2) Voice prompt

(3) Delete all pairings

(4) Factory reset

(5) Exit configuration

[picture 10-1]

8.1 Enabling / Disabling Voice Activated Phone Answering

Voice Prompt	“VOX phone”
Factory Default	Enable
Enable / Disable	Tap the (-) Button

If this feature is enabled, you can answer incoming calls by simply saying a word loudly enough, unless you are connected to intercom. For example, when you hear a series of beeps for an incoming call, you can answer the phone by saying **“Hello”** or any other word loudly. However, the phone VOX feature does not work if you are connected to intercom. This is enabled from the factory but you can disable this. If this mode is disabled, you have to tap the (+) Button to answer an incoming call.

8.2 Enabling / Disabling Voice Prompts

Voice Prompt	"Voice prompt"
Factory Default	Enable
Enable / Disable	Tap the (-) 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

8.3 Delete All Bluetooth Pairing Information

Voice Prompt	"Delete all pairings"
Factory Default	N/A
Execute	Tap the (-) Button

To delete all Bluetooth pairing information of the SMH3, press the (+) Button until you hear a voice prompt, **"Delete all pairings"**, and tap the (-) Button to confirm.

8.4 Reset to Factory Default Setting

Voice Prompt	"Factory reset"
Factory Default	N/A
Execute	Tap the (-) Button

To restore factory default settings on the SMH3, tap the (+) Button until you hear a voice prompt, **"Factory reset"**. Tap the (-) Button to confirm. The SMH3 powers off with a voice prompt, **"Headset reset, goodbye"**.

8.5 Exit Voice Configuration Menu

Voice Prompt	"Exit configuration"
Factory Default	N/A

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

Tap (+) Button	Tap (-) Button
“Vox phone”	Enable / disable
“Voice prompt”	Enable / disable
“Delete all pairings”	Execute
“Factory reset”	Execute
“Exit configuration”	Execute

Voice Configuration Menu & Button Operations

9. USING THE SMH3

9.1 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 off and on the headset. For example, once you set the volume for mobile phone handsfree, it will not change even if you adjust the volume when you hear Bluetooth MP3 music. So you can always maintain the preferred optimum volume level for each audio source.

9.2 Mobile Phone Call Making and Answering

1. When you have an incoming call, simply tap the (+) 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. (Refer to the next section for details.)
3. To end a call, press the (+) Button for 2 seconds until you hear a mid-tone single beep, or wait for the called person to end the call.
4. To reject a call, press the (+) Button for 2 seconds until you hear a beep while the phone is ringing.
5. 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.
 - Press the (+) Button for 3 seconds in stand-by mode until you hear a high tone single beep to activate the voice dialing of your mobile phone. For this, the voice dialing feature must be available on the mobile phone. Refer to your mobile phone manual for further instruction.
 - To redial the last number, press the (-) Button for 3 seconds in stand-by mode until you hear a high tone single beep. You will hear a voice prompt saying **"Last number redial"**.

Note:

1. If you are using multipoint mobile phone connection 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 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.
2. If you are using multipoint connection of mobile phone and GPS, you may not listen to the GPS voice instruction during the phone call.

9.3 Intercom Conversation

1. You can start an intercom conversation with any of intercom friends by pressing the (-) Button for 1 second.

[picture 11-1]

2. To terminate an intercom conversation, press the (-) Button for 1 second again.

[picture 11-2]

9.4 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*.
 - To answer the phone call and stop the intercom conversation, tap the (+) Button. When you hang up the phone call, the intercom will automatically be recovered.
 - To reject the phone call and stay on the intercom conversation, press the (+) Button for 2 seconds until you hear a beep.

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

2. 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 saying **“Intercom requested”**. In this case, the intercom call does not override the mobile phone 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.

9.5 Intercom Failure

When you try to start an intercom conversation with an intercom friend who is already having a mobile phone call with another person, you will hear a low tone double beep signifying a busy signal. You will also hear a voice prompt saying **“Intercom failed, try again later”**. In this case, you have to try again later. On the other hand, the intercom friend will hear 4 high tone beeps alerting them that there is an incoming intercom call.

9.6 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 SMH3 automatically tries to reconnect the intercom every 8 seconds. You will hear high tone double beeps until the intercom is reestablished. If you don't want to make a reconnection, tap the (-) Button to stop the attempt.

9.7 Stereo Music

You can listen to stereo music by Bluetooth wireless stereo. The Bluetooth audio device must be paired with the SMH3 by following the **Bluetooth Stereo Device Pairing** instructions described in the previous chapter. The SMH3 supports the Audio/Video Remote Control Profile (AVRCP), so if your Bluetooth audio device also supports the AVRCP, you can use

the SMH3 to remotely control music playback. So, You not only can adjust the volume but also use the functions such as play, pause, next track and previous track.

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

[picture 11-3]

- To play or pause music, press and hold the (+) Button for 1 second until you hear a double beep.

[picture 11-4]

- To track forward or track back, press and hold the (+) Button or the (-) Button for 2 seconds until you hear a double beep.

[picture 11-5]

9.8 Function Priority

The SMH3 operates in the following order of priority:

(Highest)	<i>Mobile Phone,</i>
	<i>Intercom, and</i>
(Lowest)	<i>Bluetooth Stereo Music</i>

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

9.9 Fault Reset

When the SMH3 is not working properly or is in faulty status for any reason, you may reset by pushing the pin-hole reset button **on the left speaker unit**. Insert a paper clip into the reset pin-hole and press the reset button for a second with light pressure. The SMH3 will be switched off after which time, you have to turn the system back on and try again. However, this will not restore the headset to factory default settings.

10. FIRMWARE UPGRADE

The SMH3 supports firmware upgrade function. Please visit Sena Bluetooth web site at www.SenaBluetooth.com to check the latest software downloads.

SENA www.senablueetooth.com Users Guide for Firmware v1.0

CERTIFICATION AND SAFETY APPROVALS

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Exposure Statement

The antenna(s) used for this device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Caution

Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.

CE Declaration of Conformity

This product is CE marked according to the provisions of the R&TTE Directive (99/5/EC). Hereby, SENA declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For further information please consult <http://www.senablueetooth.com>. Please note that this product uses radio frequency bands not harmonized within EU. Within the EU this product is intended to be used in Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom and within EFTA in Iceland, Norway and Switzerland.

Industry Canada Statement

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.