

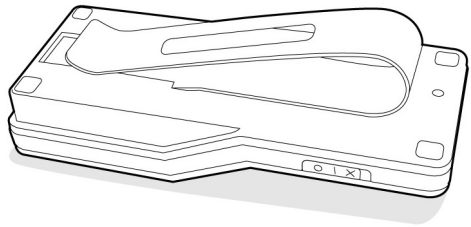
sonorix

USER MANUAL

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**A1** Bluetooth  
Handsfree  
Kit

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## CONTENTS

<b>Introduction</b>	4
<b>Product Functions &amp; Features</b>	5
<b>What's Included in the Package</b>	6
<b>Description of Parts</b>	6
<b>Clipping the A1 onto Sun Visor</b>	6
<b>OLED Display</b>	7
<b>Accelerometer Sensor</b>	7
<b>Charging the Battery</b>	8
<b>Switching the A1 ON/OFF</b>	8
<b>Echo &amp; Noise Cancellation</b>	9
<b>Pairing and Connecting A1 with Bluetooth Devices</b>	10
<b>Using A1 for Handsfree Operations</b>	11
<b>Firmware Upgrading</b>	12
<b>Specifications</b>	13

### Safety Instructions

- Check the laws and regulations on the use of mobile phones and handsfree equipments in areas you intend to use.
- As much as possible, do not manipulate the buttons of the device while driving.
- Do not expose the device to direct sunlight especially on the dashboard of car in hot summer as it may cause product deformation and even battery explosion. For safety, store the device in glove or console box when not in use.
- When cleaning the device, do not use any type of abrasive pad, scouring powder or solvents as these may render the finish dull permanently.
- When charging the device using AC/DC adapter, please make sure the correct input voltage is used.
- Charge the battery for at least 2 hours before using.
- Do not use in places like hospitals, airplanes etc. where use of electronic devices is prohibited.
- Do not expose the device to extremes of temperature, moisture and vibrations.

## **Introduction**

The sonorix Bluetooth Handsfree Kit A1 is a state-of-the-art wireless 'handsfree' and 'speakerphone' for handsfree operations at its best.

It functions as 'Car Handsfree Kit' or 'Portable Speakerphone' when linked to Bluetooth phones supporting Headset or Handsfree profiles.



Uniquely designed to be portable and versatile, A1 will provide you with maximum comfort and satisfaction for all of your handsfree needs whether you use the device in car, outdoor or in office.

We hope you enjoy the unique features provided by sonorix.

**Product Functions & Features**

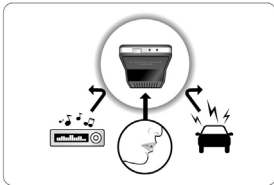
High Quality Wireless Handsfree Function



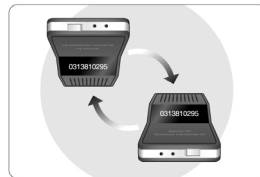
Dual (Car and Indoor) Application – Automatic Mode Switching



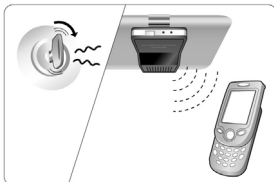
Enhanced Echo & Noise Cancellation via DSP



Automatic Invertible Display Function



Engine Startup Detection Function – Automatic Bluetooth Connection



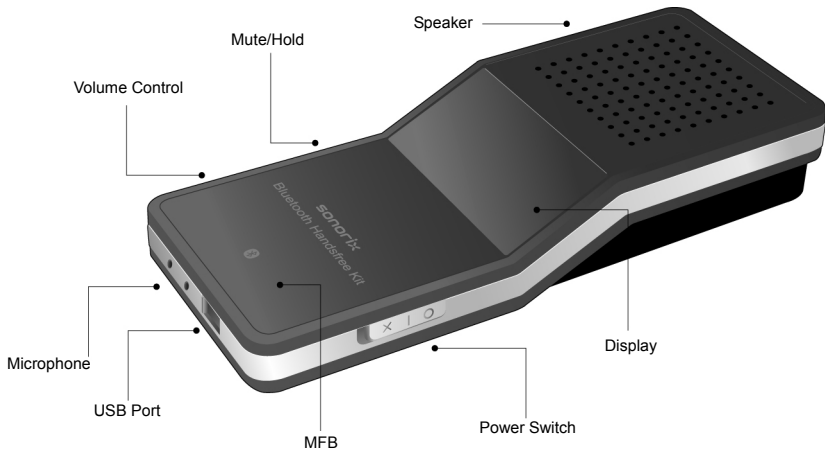
Charging & Firmware Upgrade via USB



### What's Included in the Package

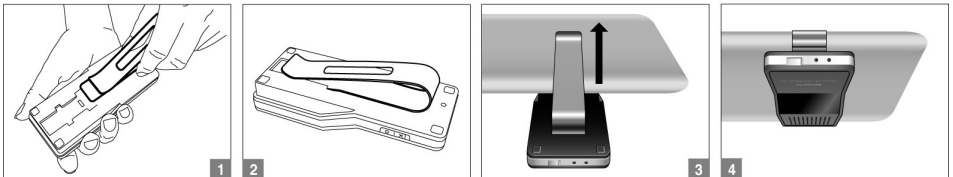
- Bluetooth Handsfree Kit (A1)
- Sun Visor Clip
- AC/DC Charger Adapter
- USB Cable
- User Manual

### Description of Parts

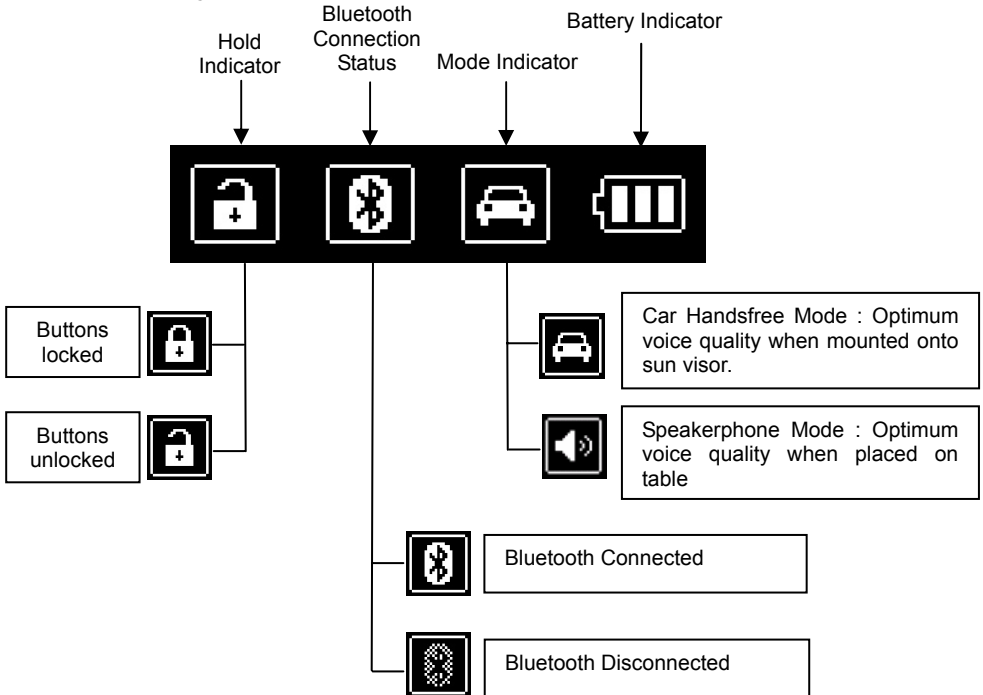


### Clipping the A1 onto Sun Visor

- Mount the clip onto the back of A1 and slide the clip onto sun visor as shown below



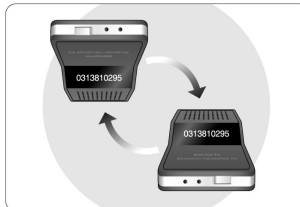
## OLED Display



## Accelerometer Sensor

A1 is equipped with Accelerometer Sensor to detect movement and thereby allowing the device to have some useful functions as follows :

- 1) 'Automatic Mode Switching' - Sets the best talk environment for user depending on where the A1 is used. If A1 is clipped onto sun visor, it automatically enters into 'Car Handsfree' mode and when placed on table, it enters into 'Speakerphone' mode.
- 2) 'Automatic Invertible OLED' function - OLED display will be automatically inverted depending on whether the A1 is placed upright or upside down.
- 3) 'Auto-Connection' function - Allows A1 to automatically reconnect to BT phone when car engine is started or when car is being driven.



## Charging the Battery

- If battery level is low, battery level indicator icon will be displayed as empty.
- To charge the battery, connect the handsfree kit to AC/DC power adapter or PC using the USB Cable.
- During charging, the battery level indicator will flash with the text 'Charging' displayed in static motion.



- When charged, the text 'Charged' will be displayed in flashing motion.



## Switching the A1 ON/OFF

- To switch on A1, slide the power switch to O. With a boot tone, it will first display the sonorix logo followed by connection state icons and battery level indication. For battery power saving, display will turn off after 10 seconds.



- To switch off A1, slide the power switch to X.

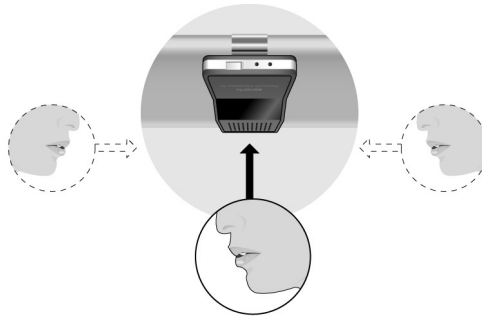
Except during talk mode, battery power consumption is very low and therefore, it is not necessary to switch off power. And by keeping the A1 switched on, you can enjoy the special feature of "Automatic Connection" with phone when car engine is started.

Switch off power only if device will not be used for more than 1 month.

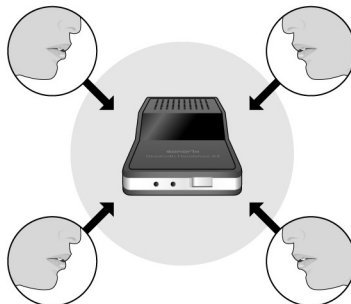


## Echo & Noise Cancellation

- DSP(Digital Signal Processor) integrated A1 eliminates echo and noise thereby providing clear voice quality even under harsh environmental conditions.
- If A1 is used as 'Car Handsfree' mode in car, it eliminates surrounding noise (engine noise, wind noise, surrounding noise, radio sound etc.) and delivers clear voice to the other party. Also, it eliminates echo signals created by transmission of car speaker sounds to the microphone. The above mechanism for echo and noise cancellation is realized through the use of 2 microphone system and high-tech algorithm which cancels out unnecessary noise and delivers only the user voice. The directional microphones process only the user voice signal and therefore, for best performance for use in car, mount the A1 onto sun visor.











- On the other hand, if A1 is used as 'Speakerphone' mode, it doesn't matter in which direction the A1 is placed as noise signals generated from all directions will be processed thereby making it suitable for conference calls. However, it is important to note that the performance of 'Speakerphone' mode can be slightly less than 'Car Handsfree' mode.













- The transition from one mode to another and vice-versa takes place automatically. That is, if A1 is placed upright, 'Speakerphone' mode will be activated and likewise, if it is placed upside down, 'Car Handsfree' mode will be activated. However, this automatic mode transition doesn't take effect during talk mode.

**Pairing and Connecting A1 with Bluetooth Devices**

Function	Action / Tone Indicator	Display
Pairing Mode	To put A1 in pairing mode, while pressing MFB, slide Power Switch from x to o. Keep pressing the MFB until you see 'Wait for Pairing', sonorix A1 and Bluetooth Device Address. A1 is now ready to be paired. Pairing mode lasts for 3 minutes, after this period A1 returns to standby mode.	<div data-bbox="717 228 994 299" style="background-color: black; color: white; text-align: center; padding: 5px;">Wait for Pairing</div> <div data-bbox="717 311 994 382" style="background-color: black; color: white; text-align: center; padding: 5px;">sonorix A1</div> <div data-bbox="717 394 994 465" style="background-color: black; color: white; text-align: center; padding: 5px;">00150E001A05</div>
Pairing Successful & Connection State	<p>From a Bluetooth phone or PC, search for sonorix A1. When prompted for pinkey, enter '0000' which is the pinkey for A1. When paired, you will see 'Pairing Success' followed by display of 'Connection States' and 'Battery Level Indicator.'</p> <p>If A1 was paired in upside down position(Car Handsfree mode), car icon will be displayed and likewise, if it was paired in upright position(Speakerphone mode), then the sound icon will be displayed.</p>	<div data-bbox="717 492 994 563" style="background-color: black; color: white; text-align: center; padding: 5px;">Pairing Success</div> <div data-bbox="717 616 994 677" style="background-color: black; color: white; padding: 5px;">  </div> <div data-bbox="717 727 994 787" style="background-color: black; color: white; padding: 5px;">  </div>
Connection State	In idle mode, short click MFB to check the connection status. If Bluetooth icon is highlighted, it means A1 is in connection state.	<div data-bbox="717 828 994 889" style="background-color: black; color: white; padding: 5px;">  </div> <div data-bbox="717 908 994 969" style="background-color: black; color: white; padding: 5px;">  </div>
Reconnect Function	<p>Under the following circumstance, A1 automatically attempts to reconnect to the last connected device.</p> <ul style="list-style-type: none"> <li>- When car engine is started (when engine vibration has been detected)</li> </ul> <p>For any reasons, if A1 is disconnected, long click MFB until you hear the beep tone followed by display of 'Connecting...' image. A1 will then reconnect to the last device used.</p>	<div data-bbox="717 1014 994 1085" style="background-color: black; color: white; padding: 5px;">  Connecting...         </div> <div data-bbox="717 1165 994 1226" style="background-color: black; color: white; padding: 5px;">  </div>
Button Hold Function	To prevent accidental button activation while the device is being carried around, lock the button operations by long clicking MUTE/HOLD button. To unlock, long click MUTE/HOLD button.	<div data-bbox="766 1291 829 1357" style="background-color: black; color: white; padding: 5px;">  </div> <div data-bbox="871 1291 935 1357" style="background-color: black; color: white; padding: 5px;">  </div>

## Using A1 for Handsfree Operations

Function	Action / Tone Indicator	Display
Answer Call	On an incoming call, 'Ringing' and 'Caller ID' will be displayed alternately. If Caller ID function is not supported by phone, then only 'Ringing...' will be displayed. To answer call, short click MFB.	 <b>Ringing...</b> <b>0313810295</b>
Make Call	To make a call, first dial from phone and short click MFB to switch call to A1. Note : Some phones allow direct call transfer without having to press MFB.	 <b>Call Transferred</b>
Redial	To redial, short click MFB. For some phones, when MFB is short clicked, it first displays the numbers last called or received. In this case, short click MFB again to redial. Note : Some phones allow direct redial by short clicking MFB just once.	 <b>Redialing...</b>
Voice Dial	To voice dial, make sure your phone supports voice dialing function and that it is activated and voice tags have been recorded. In idle mode, short click MFB to first display the icons and then long click MFB to initiate voice dial.	 <b>Voice Dialing...</b>
End Call	To end call first, long click MFB during 'Talk Mode'. If other party ends the call first, A1 automatically returns to handsfree standby mode. After call is ended, talk time will also be displayed.	 <b>Call Ended</b> <b>05:30</b>
Reject Call	To reject incoming call, long click MFB.	 <b>Call Rejected</b>
Volume Control	Short click (+) or (-) to adjust volume. To adjust volume in continuous increments, click and hold (+) or (-) button.	

Function	Action / Tone Indicator	Display
Microphone Mute	For privacy reasons, if you don't want the party on the other line to hear your voice, you can mute the microphone by long clicking MUTE/HOLD button. To cancel mute function, long click MUTE/HOLD button.	 <b>Mic. Muted</b>
Call Transfer	To transfer calls from A1 to phone and vice versa, short click MFB during talk mode.	 <b>Call Transferred</b>
3 Way Call	<p>During talk mode, if you receive another call, short click MUTE/HOLD button to hold the 1<sup>st</sup> call and answer 2<sup>nd</sup> call. To toggle between calls, short click MUTE/HOLD button. During talk mode, by long clicking MFB, you can end the current call to continue with the next call.</p> <p>Note : 3 Way Call function is only applicable if user has subscribed for such service.</p>	 <b>Call Waited</b>

### Firmware Upgrading

- For maximum Bluetooth interoperability with Bluetooth devices, A1 provides USB interface for firmware upgrading.
- For more information on how to upgrade firmware, please check out our website, [www.sonorix.com](http://www.sonorix.com)

## Specifications

Standards	Bluetooth Specification V1.2
RF Frequency Range	2402 ~ 2480 MHz
Profiles Supported	Headset, Handsfree
Transmission Power	0.25 ~ 2.5mW (Class 2)
Distance	10m (in open space)
Audio Output	> 1W
Battery Life	Standby > 400 hrs Continuous Talk Time > 15 hrs
Charging Time	< 3 hrs
Charging Voltage	DC +5V (USB)
Adapter Input	AC 90~250V
Buttons	Power On/Off, Multi-Function Button, Mute Button, Volume Up/Down
Display	128 X 32 dots OLED (white)
Weight	63g
Operating Temp. & Humidity	-10 ~ +50°C, Rel. Humidity 0 ~ 95%
Certification	BQB, FCC, CE, MIC

### Product Warranty

- \* OpenBrain Technologies warrants this product against all defects in material and workmanship for a period of one year from the date of purchase by end user. The conditions for warranty are as follows :
- \* The warranty is valid only if the original receipt issued to the original purchaser by the dealer is presented with the product to be repaired or replaced.
- \* The warranty is void if the serial number, date of purchase and product label had been removed.
- \* The warranty does not cover any failure or damage of the product due to normal wear and tear, physical abuse, improper installation, misuse, modification or repairs by unauthorized third parties.
- \* OpenBrain Technologies does not assume responsibility for any loss or damage incurred during shipment and as a result of force majeure.
- \* OpenBrain Technologies is not liable for any incidental or consequential damages arising from the use or misuse of the product.
- \* All warranty claims are limited to repair or replacement of the defective product at the sole discretion of OpenBrain Technologies.
- \* If OpenBrain Technologies repairs or replaces the product, the repaired or replaced product shall be warranted for the remaining time of the original warranty period. Repair or replacement may involve the use of functionally equivalent reconditioned units. Replaced part or product becomes the property of OpenBrain Technologies.
- \* Consumable components, such as batteries, are not included in the warranty obligation.

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### European CE notice to users and product statements

This product is CE marked according to the provisions of the R & TTE Directive (99/5/EC). Hereby, Openbrain Technologies Co., Ltd, declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For further information, please contact <http://www.openbrain.co.kr>

### FCC notice to users and product statements

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. Operation is subject to the following two conditions; (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### WEEE Directive 2002/96/EC Art. 11(2)



The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.





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