USER MANUAL

Bluetooth

SONORIX

Bluetooth Stereo Headset

OBH-0110

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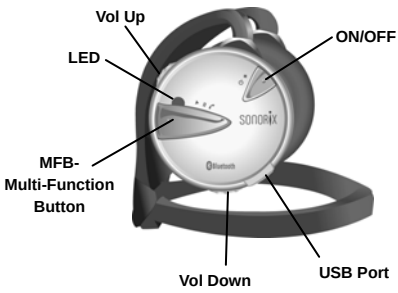
Safety Instructions

* Please read the following safety instructions before using the product

- Never use the Bluetooth Stereo Headset while driving.
- Check the laws and regulations on the use of mobile phones and handsfree equipments in areas you intend to use.
- Continuous listening of music at high volume may cause hearing defects.
- Use of non-SONORIX batteries may result in damage, performance degradation, injury, electric shock and even fire.
- Never touch the electric cord or plug with wet hands and never use force to pull the cord or plug.
- Please read the precautions on the use of battery.
- When cleaning do not use any type of abrasive pad, scouring powder or solvents as these may render the finish dull permanently.
- 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 components to the extremes of sunlight, temperature, moisture or vibrations.

Quick Reference Guide

Familiarize yourself with the position of buttons



Power ON/OFF & Pairing Key Operations (Headset)

Power ON	Mount battery, click & hold **ON/OFF** button for 3-4 seconds and when LED flashes rapidly (blue), release button. Note : When battery is first mounted, LED will be in OFF state.
Power OFF	Click & hold **ON/OFF** button for 3-4 seconds and when LED flashes rapidly (red), release button.
Pairing Mode	For first time pairing, mount battery, click & hold **ON/OFF & Vol Up** buttons for 4 seconds. When LED lights and starts to flash, release buttons. **For pairing with SE P800 & Sharp GX-30 phones, mount battery, click and hold **ON/OFF & Vol Down** buttons for 4 seconds. When LED lights and starts to flash, release buttons.**

Note : For phones that provide only headset profile, Connect button is used for answering calls and redialling.

Volume & Remote Control Key Operations

Volume Up	Click **Vol Up** button once shortly.
Volume Down	Click **Vol Down** button once shortly.
Skip/Next	Click & hold **Vol Up** button shortly during play.
Previous	Click & hold **Vol Down** button shortly during play.
Stop	Click **ON/OFF button** once during play. To play, click **MFB** button twice in a row.
Pause	Click **MFB** button once during play. To resume, click **MFB** button once.

Handsfree Key Operations

Voice Connection	Click & hold **MFB** button in a long manner to establish Bluetooth connection (only after pairing is made and only applicable only for phones with handsfree profile)
Answer Call	Click **MFB** button once.
End Call	Click **MFB** button once. For some phones, the **ON/OFF** button is used to end call.
Redial	Click & hold **MFB** button in a long manner. (Some phones can initiate Voice Dialing)

Introduction

Thank you for purchasing our SONORIX Bluetooth Stereo Headset.

The SONORIX Bluetooth Stereo Headset (OBH-0110) is a high quality wireless audio device that provides users with audio entertainment and voice functions at its best while giving complete freedom from physical wires. It functions as '**Wireless Stereo Headphone**' when linked to Bluetooth-enabled audio devices such as Mobile Phones, MP3 Players and PCs etc and as '**Handsfree Headset**' with Bluetooth Phones or PC.

For audio devices without Bluetooth functionalities, our plug & play Bluetooth Audio Adapter can be used. We hope you enjoy the unique wireless features provided by SONORIX.

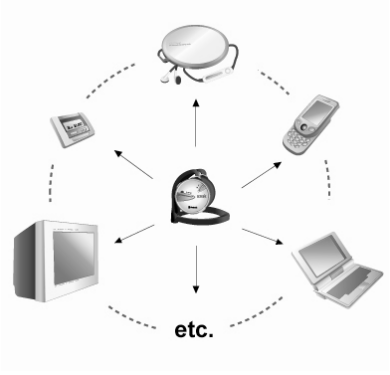
Pleasure Your Life with SONORIX!

Product Features

- CD Quality Sound and High Quality Voice
- Supports A2DP SBC, MP3 for stereo audio streaming
- Supports Headset / Handsfree profiles for handsfree operation with Bluetooth phones
- Supports AVRCP for Remote Controlling of PC from Headphone
- Detachable Microphone
- Collapsible and Fashionable Neckband
- Ergonomic and Dynamic Design
- Compact, Rechargeable, High Density Li-Polymer battery for long lasting play
- Charging via USB or Power Supply

Product Functions

Stereo Headphone for Bluetooth Devices Supporting A2DP(Advanced Audio Distribution Profile)



Handsfree Headset for Bluetooth phones and PC Supporting Headset or Handsfree Profiles

What's included in the Package

Bluetooth Stereo Headset

Microphone

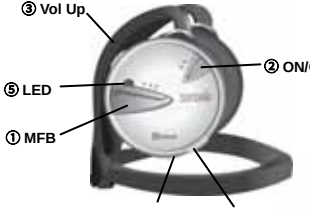
Battery Pack

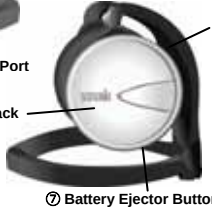
AC/DC Adapter

USB Cable

Manual

Description of Parts





Note : Images seen in this manual are for illustrations only and sizes and colors of actual product may not be the same as shown in manual

Wearing the Headset / Using Travel Case

Place the Headset such that the neckband goes behind the head and the ear hangers rest over the ears.

If you purchased the optional Travel Case, fold the Headset and place inside the case to protect from dirt and scratch. The Travel Case can be worn on belt or clipped onto bag.

Mounting / Removing battery

To mount battery, place hook of battery into groove of Headset and when the terminals of battery and Headset are touching, press battery downwards to lock completely.

To remove, press the “Battery Ejector” button.

Charging the battery

* Battery at the time of purchase must be charged for at least 2 hours before use.

With battery mounted onto Headset, plug one end of AC/DC adapter into AC power supply and the other into USB port of Headset.

Battery can also be charged by connecting Headset to USB port of PC using the USB cable.

Battery can be charged quickly and easily if you purchase the optional charger cradle.

Battery Information

- Battery Level Indicator : Battery level can be checked by color of LED. When battery level is low, LED flashes red every second.
  - LED color during charging : Red
  - LED color when fully charged : Blue
- Battery charging time : < 3hours
  * Charging time varies with battery level
- Battery Life
  Standby : 200 hours; Audio /Voice Connection : >12 hours

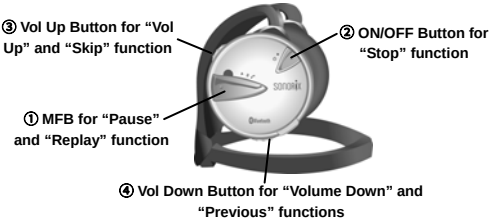
* Because of its consumable nature, battery life cycle gradually degrades over time. Purchase new battery if battery life has degraded significantly.
* Do not drop battery, subject it to force or disassemble it as it may result in damage or overheating.
* Do not place battery near burner or microwave oven as it may explode.
* Keep away from the reach of children. Can be harmful when damaged battery is used or if placed in the mouth.
* When exposed to battery liquid, clean the exposed area under running water for 1-2 minutes.
* Do not use battery with other devices as it may cause damage.

Pairing Headset with Bluetooth Devices

- List down Bluetooth Address on left Headset body where battery is mounted and mount battery.
- Click and hold 'Vol Up' & 'ON/OFF' buttons together for more than 4 seconds. When LED lights and starts to flash, release the two buttons. LED will then flash continously. This pairing mode will last for 3 minutes and if no pairing is made within this period, the Headset will return to standby mode. For SE P800 and Sharp GX-30 phones, use 'Vol Down' & 'ON/OFF' buttons to do the pairing.
- Manipulate the buttons or menus of mobile phone to complete pairing (Refer to phone manual as the instructions may differ from device to device). Check if 'SONORIX Stereo Headset' or corresponding 'Bluetooth Address' is displayed in the list of searched devices. If device is not found, repeat pairing procedure.
- When prompted to enter PinKey, enter '0000' which is the fixed PinKey for Bluetooth Stereo Headset.
- The Headset can be paired with up to 10 different devices. Pairing is done just once and not every time a different device is used.
- **For pairing of Headset with PC and usage of related applications via Bluetooth USB Adapter, refer to the instructions in the separately enclosed manual.**

Remote Control Features

- If the host device supports AVRCP function, the Headset can be used to remotely control music playback functions.
- To play 'Next' song, click and hold 'Vol Up' button for 1 sec.
- To play 'Previous' song, click and hold 'Vol Down' button for 1 sec.
- To 'Pause', click 'MFB' button once during play.
- To 'Resume', click 'MFB' button once in 'Pause' mode.
- To 'Stop', click 'ON/OFF' button once during play.
- To 'Replay', click 'MFB' button twice.



Pairing Headset with Bluetooth Phone

- Mount battery onto Headset. Click and hold ‘Vol Up’ & ‘ON/OFF’ buttons together for more than 4 seconds. When LED lights up and starts to flash, release the two buttons. LED will then flash continously. This pairing mode will last 3 minutes and if no pairing is made within this period, the Headset will return to standby mode. For SE P800 and Sharp GX-30 phones, use ‘Vol Down’ & ‘ON/OFF’ buttons to enter pairing mode.
- Manipulate the buttons or menus of phone to complete pairing. (Refer to phone manual as the instructions may differ from device to device). Check if SONORIX Stereo Headset is displayed in the list of searched devices. If not found, repeat pairing procedure.
- When prompted to enter PinKey, enter ‘0000’ which is the fixed PinKey for Bluetooth Stereo Headset.
- The Headset can be paired with up to 10 different devices. Pairing is done just once and not every time a different device is used.

PINKEY : 0000

Using the Headset to Make a Call

- Make sure Headset and mobile phone are connected and microphone plugged into USB port of Headset.
- To make a call, dial from the mobile phone and when the dial tone is heard, click ‘MFB’ button once to switch over to Headset.
- To end the call, press the “MFB” button once.

  Note : For some phones, the “ON/OFF” button is used to end the call.
- For Bluetooth phones that support Handsfree Profile, clicking the “MFB” button in a long manner will activate the phone to redial to the last number received or called.

  Notes : For redialling, the procedures may differ from one device to another. For some phones, clicking the “MFB” button in a long manner will first activate the phone to display the list of the last numbers received or called. For others, clicking the “MFB” button in a long manner will redial to the last number received or called directly.

Using the Headset to Answer a Call

- To be able to answer a call, the Headset and mobile phone must be connected and microphone plugged into USB port of Headset.
- On an incoming call, bell will ring from Headset and mobile phone. Call can be answered from phone or from Headset by pressing the “MFB” button once.
- For mobile phones supporting only headset profile, the ‘ON/OFF’ button is used to answer incoming call.
- To disconnect, press “MFB” button once. For mobile phones supporting only headset profile, use ‘ON/OFF’ button to disconnect.
- If the other party ends the call first, Headset will automatically enter into standby mode without the user having to press “ON/OFF” button to end the call.

Scatternet Support

- Via Scatternet support, you can answer incoming call even while listening to music from PC.
- This is only possible if user’s phone is Bluetooth enabled.
- For scatternet function, the Headset must be paired and connected with both PC and phone.
- **For pairing and connecting Headset with PC, please refer to the instructions in the separately enclosed manual.**
- On an incoming call while streaming audio from PC, music will stop followed by bell ring. Click ‘MFB’ button once to answer the call.
- Once disconnected, music will play again from the point it was paused. The switching from handsfree to music may take a few seconds.

LED Indicator

Headset LED Indicator	Status
Continuous OFF	Bluetooth Link Established
Flashes blue every 1 sec	Standby (Connectable/Paring) mode

Headset Status	LED Indicator
Power On	Flashes Blue rapidly for 1 sec and then OFF
Power OFF	Flashes Red rapidly for 1 sec and then OFF
Incoming call	LED flashes Blue rapidly
Low battery Level	LED flashes Red every second
Charging state	LED Red ON
Charging Complete	LED Red OFF

Specifications

Standards	Bluetooth Specification V1.2
RF Frequency Range	2402 ~ 2480 MHz
Profiles Supported	A2DP, AVRCP, Headset, Handsfree
Transmission Power	0.25 ~ 2.5mW (Bluetooth Power Class 2)
Receiver Sensitivity	< -80dBm (PER 1 %)
Distance	10m (in open space)
Audio Frequency Range	20Hz ~ 22kHz
Audio S/N	> 80dB
Audio THD	< 0.1%
Audio Output Power	> 20mWrms
Battery Life	Standby > 200 hrs Audio Connection >12 hrs Voice Connection(Headset/Handsfree) >12 hrs
Charging Time	< 3 hrs
Adapter AC Input	AC 90 ~ 250V
Weight	76g (including battery)
Operating Temp & Rel. Humidity	-10 ~ +50°C, Relative Humidity 0 ~ 95%

Optional Items

Charger Cradle

Quick charger for Headset battery. The uniquely shaped charger cradle will glow red during charging and blue when fully charged and will provide decorative effect where it is placed.

Bluetooth Audio Adapter

The Bluetooth Audio Adapter is a device that provides Bluetooth connectivity for stereo audio streaming when plugged into 3.5mm stereo jack(headphone) of any audio devices or USB port of laptops or desktops without Bluetooth functionalities.

Battery Pack

Buy additional batteries to enjoy listening to music without having to worry about charging the Headset or Audio Adapter.

Bluetooth USB Adapter

The Bluetooth USB Adapter is a device that provides Bluetooth interface when connected to USB port of desktop or laptop PCs without Bluetooth functionalities.

Travel Case

Travel Case will protect the Headset from scratch and dirt and it can be worn on belt or clipped onto bag.

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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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.

European CE notice to users and product statements

This product is CE marked acording 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

Industry Canada notice to users and product statements

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.

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