

sonorix
C2 Bluetooth
Stereo
Headset
USER MANUAL



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Safety Instructions

- 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.
- When cleaning the device, 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 extremes of sunlight, temperature, moisture or vibrations.

Introduction

Thank you for purchasing our C2 Stereo Headset. The C2 Stereo Headset is a high quality Bluetooth enabled audio device for audio entertainment and voice functions at its best. It functions as 'Wireless Stereo Headset' when linked to Bluetooth A2DP enabled audio devices such as Mobile Phones, MP3 Players etc and as 'Handsfree Headset' with Bluetooth Phones. With 3 easy to use buttons, user can switch between music and phone call as well as remote control music playback functions. The C2 with its exceptional audio quality is a truly indispensable device for wireless enthusiasts.

Product Features

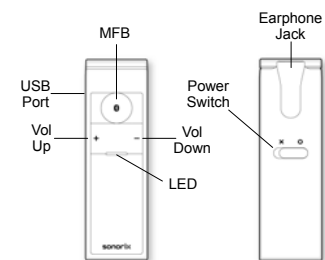
- CD Quality Sound And High Quality Voice
- Supports A2DP For Stereo Audio Streaming and AVRCP For Remote Controlling Of Music Playback Functions
- Supports Headset/Handsfree Profiles For Handsfree Operation With Bluetooth Phones
- 3 Easy to Use Buttons
- Built-in Microphone
- Comfortable Design Suited For Users Of All Ages
- Built-in Li-Polymer Battery For Long Lasting Play
- Charging Via USB
- Firmware Upgradeable

Product Functions

- Functions as Stereo Headset when connected to Bluetooth Devices Supporting A2DP
- Functions as Handsfree Headset when linked to Bluetooth Phones supporting Headset and/or Handsfree profiles

What's Included in the Package

- C2 Stereo Headset
- Earphone Set
- Spare sponge set for earphone
- DC Adapter for charging
- USB Cable
- User Manual

Description of Parts**Wearing the C2**

- Simply clip the Stereo Headset onto shirt or clothing.

**Charging the Battery**

- In standby mode, if battery level is low, battery warning indicator flashes for 1 minute and then switches OFF.
- To charge the battery, connect C2 to AC/DC power adapter or PC using the USB Cable.
- During charging mode, LED will light up red.
- When charged, LED will change to constant blue.

Switching the C2 ON/OFF

- To switch ON C2, slide the power switch to O.
- To switch OFF C2, slide the power switch to X.

Pairing C2 with Bluetooth Devices

Function	Action / LED / Tone Indicator
Pairing Mode	To put C2 in pairing mode, click and hold 'MFB' and slide Power Switch to O. Blue LED will first flash rapidly and then change to alternating red and blue flash. Boot tone is heard when function is executed and pairing mode lasts for 3 minutes.
Pairing Successful & Connection State	From a Bluetooth phone or PC, search for devices and establish the connection. If prompted for pinkey, enter '0000' which is the pinkey for C2. When paired and connected, LED will turn OFF.

Stereo Audio & Remote Control Operations

Function	Action / LED / Tone Indicator
Play / Pause	Short click MFB to play. To pause, short click MFB.
Next	Long click (+) key to skip to next song.
Previous	Long click (-) key to play previous song.
Stop	Long click MFB to stop.
Volume	Short click (+) or (-) to adjust volume. Beep tone at minimum or maximum volume.

Using C2 for Handsfree Operations

Function	Action / LED / Tone Indicator
Answer Call	On an incoming call, short click MFB. Blue LED flashes periodically with ring tone.
Make Call / Redial	To make a call, dial from phone and short click MFB to switch to headset. To redial, long click MFB. Beep tone when function executed.
Voice Dial	Long click (+) key to redial. Beep tone when function executed.
Volume	Short click (+) or (-) to adjust volume. Beep tone at minimum or maximum volume.
Reject Call	To reject call, long click 'MFB'.
End Call	To end call first, long click 'MFB' during 'Talk Mode'. If the other party ends the call, then C2 will automatically return to handsfree standby mode.
Call Transfer	Short click 'MFB' during 'Talk Mode' to talk over the phone and vice versa.
Reconnect	To reconnect C2 with phone, long click MFB in standby mode.

Hints for Optimum Audio Transmission

- The wireless performance of Bluetooth devices depends on the environment where it is used.
- Walls, partitions, doors, furniture etc can block the path of transmitted radio signals thereby resulting in shorter range and even sound distortions.
- Likewise, the human body also affects the performance and since the C2 is clipped onto clothing and held close to the body, it is a good practice not to cover the C2 or the host device with hand.

Firmware Upgrading


- To maintain maximum interoperability among Bluetooth devices, C2 provides USB interface for firmware upgrading.
- For the instructions on how to upgrade firmware of C2, please visit our website, www.sonorix.com

Specifications

Standards	Bluetooth Specification V1.2
RF Frequency Range	2402 ~ 2480 MHz
Profiles Supported	A2DP, AVRCP, Headset, Handsfree
Transmission Power	0.25 ~ 2.5mW (Class 2)
Receiver Sensitivity	< -80dBm (PER 1 %)
Distance	10m (in open space)
Audio Output	> 20mW
Audio S/N	> 90dB
Audio THD	< 0.1%
Battery Type	Li-Ion Polymer 300mAH
Battery Life	Standby > 200 hrs, Audio or Voice Connection > 6 hrs
Charging Time	< 3 hrs
Size	20 X 22 X 66
Weight	22g
Operating Temp. & Rel. Humidity	-10 ~ +50°C, Rel. Humidity 0 ~ 95%

<p style="text-align: center;">Product Warranty</p> <p>* 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 :</p> <p>* 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.</p> <p>* The warranty is void if the serial number, date of purchase and product label had been removed.</p> <p>* 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.</p> <p>* Openbrain Technologies does not assume responsibility for any loss or damage incurred during shipment and as a result of force majeure.</p> <p>* Openbrain Technologies is not liable for any incidental or consequential damages arising from the use or misuse of the product.</p> <p>* All warranty claims are limited to repair or replacement of the defective product at the sole discretion of Openbrain Technologies.</p> <p>* 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.</p> <p>* Consumable components, such as batteries, are not included in the warranty obligation.</p>	<p style="text-align: center;">Disclaimer Notice</p> <p>The manufacturer shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this material. This document contains proprietary information, which is protected by international patent applications and copyright. All rights reserved. No part of this document may be copied, reproduced or translated without prior written consent of the manufacturer. The manufacturer reserves the right to revise this publication and to make changes from time to time in the contents hereof without obligation to notify any person of such revisions or changes. The manufacturer also reserves the right to change the specifications without notice.</p> <p style="text-align: center;">European CE notice to users and product statements</p> <p>This product is CE marked according to the provisions of the R & TTE Directive (99/5/EC). Heretby, 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</p>
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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.

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

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.

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.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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Safety Instructions

- 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.
- When cleaning the device, 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 extremes of sunlight, temperature, moisture or vibrations.

Introduction

Thank you for purchasing our C3 Stereo Headset. The C3 Stereo Headset is a high quality Bluetooth enabled audio device for audio entertainment and voice functions at its best. It functions as 'Wireless Stereo Headset' when linked to Bluetooth A2DP enabled audio devices such as Mobile Phones, MP3 Players etc and as 'Handsfree Headset' with Bluetooth Phones. With fashionable OLED display and 3 easy to use buttons, user can switch between music and phone call as well as remote control music playback functions. The C3 with its exceptional audio quality is a truly indispensable device for wireless enthusiasts.

Product Features

- CD Quality Sound And High Quality Voice
- Supports A2DP For Stereo Audio Streaming and AVRCP For Remote Controlling Of Music Playback Functions
- Supports Headset/Handsfree Profiles For Handsfree Operation With Bluetooth Phones
- Fashionable OLED for Caller ID Display and Music Playback Status
- 3 Easy to Use Buttons
- Built-in Microphone
- Comfortable Design Suited For Users Of All Ages
- Built-in Li-Polymer Battery For Long Lasting Play
- Charging Via USB
- Firmware Upgradeable

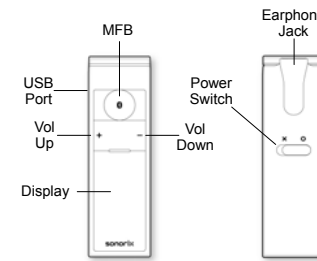
Product Functions

- Functions as Stereo Headset when connected to Bluetooth Devices Supporting A2DP
- Functions as Handsfree Headset when linked to Bluetooth Phones supporting Headset and/or Handsfree profiles

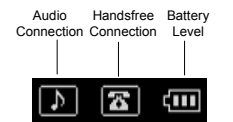
What's Included in the Package

- C3 Stereo Headset
- Earphone Set
- Spare sponge set for earphone
- DC Adapter for charging
- USB Cable
- User Manual

Description of Parts



OLED Display Window



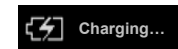
Wearing the C3

- Simply clip the Stereo Headset onto shirt or clothing.



Charging the Battery

- Click + or – button on C3 to check battery level indicator. If battery level is low, beep tone will be heard for 1 minute and C3 will switch OFF.
- To charge the battery, connect the Stereo Headset to AC/DC power adapter or PC using the USB Cable.
- During charging mode, the 'Charging' icon will flash every 1 second.



- When charged, the 'Charged' icon will be displayed as shown below.

**Switching the C3 ON/OFF**


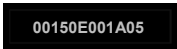


- To switch ON C3, slide the power switch to O. sonorix icon will first be displayed for 3 seconds followed by Service icons for 3 seconds.




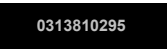



- To switch OFF C3, slide the power switch to X.

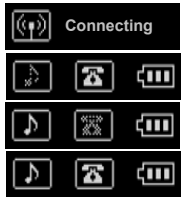


Pairing C3 with Bluetooth Devices






Function	Action	OLED Indicator
Pairing Mode	<p>To put device in pairing mode, click and hold 'MFB' and slide Switch to O. When the icons 'Wait for Pairing' & 'BD_ADDR' are displayed, release button.</p> <p>Pairing mode lasts for 3 minutes.</p> <p>Boot tone when function executed.</p>	 
Pairing Successful & Connection State	<p>From a Bluetooth phone or PC, search for devices and establish the connection.</p> <p>If prompted for pinkey, enter '0000' which is the pinkey for C3.</p> <p>When paired, 'Pairing Success' icon will be displayed for 1 second and then the 'Services' icon will be displayed for 3 seconds.</p>	 

Using C3 for Handsfree Operations

Function	Action	OLED Indicator
Answer Call	On an incoming call, 'Ringing' and 'Caller ID' icons are displayed alternately with ring tone. Short click MFB to answer call. Note : If Caller ID function is not supported by phone, only 'Ringing' icon will be displayed.	 Ringing 
Make Call / Redial	To make a call, dial from phone and short click MFB to switch to headset. To redial, long click MFB. Icon display for 1 second. Beep tone when function executed.	 Redialing...
Voice Dial	Long click (+) key to redial. Icon display for 1 second. Beep tone when function executed.	 Voice Dialing...
Volume	Short click (+) or (-) to adjust volume. Icon display for 3 seconds. Beep tone at minimum or maximum volume.	

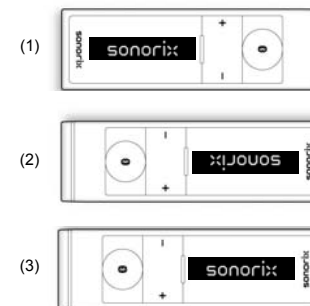
Function	Action	OLED Indicator
Reject Call	To reject call, long click 'MFB'.	
End Call	To end call first, long click 'MFB' during 'Talk Mode'. If the other party ends the call, then C3 will automatically return to handsfree standby mode.	
Call Transfer	Short click 'MFB' during 'Talk Mode' to talk over the phone and vice versa.	
Reconnect	<p>To reconnect C3 with phone, long click MFB in standby mode.</p> <p>'Connecting' icon will be displayed.</p> <p>If the last successful connection was Handsfree profile, then 'Handsfree' icon will be activated. If it was audio connection, then 'Audio' icon will be displayed.</p> <p>If the last successful connection was Handsfree with Audio, then both 'Handsfree' and 'Audio' icons will be displayed.</p>	 <p>The OLED indicator for the Reconnect function is a vertical stack of icons. At the top is a 'Connecting' status bar with a double-headed arrow icon. Below this are three rows of icons: the first row shows a music note, a telephone handset, and a speaker icon; the second row shows a music note, a Bluetooth symbol, and a speaker icon; the third row shows a music note, a telephone handset, and a speaker icon.</p>

Stereo Audio & Remote Control Operations

Function	Action	OLED Indicator
Play / Pause	Short click MFB to play. To pause, short click MFB. Icon display for 1 second.	
Next	Long click (+) key to skip to next song. Icon display for 1 second.	
Previous	Long click (-) key to play previous song. Icon display for 1 second.	
Stop	Long click MFB to stop. Icon display for 1 second.	
Volume	Short click (+) or (-) to adjust volume. Icon display for 3 seconds. Beep tone at minimum or maximum volume.	

Changing Position of Display Window

- The Display Window of C3 can be inverted depending on how user holds the device.
- If initially display is as in (1), then when inverted, it will look as in (2).
- To invert the Display from (2) to (3), first power off C3. While holding the device as in position (2), click – and then power on C3. The display will then be changed as in (3).



Hints for Optimum Audio Transmission

- The wireless performance of Bluetooth devices depends on the environment where it is used.
- Walls, partitions, doors, furniture etc can block the path of transmitted radio signals thereby resulting in shorter range and even sound distortions.
- Likewise, the human body also affects the performance and since the C3 is clipped onto clothing and held close to the body, it is a good practice not to cover the C3 or the host device with hand.

Firmware Upgrading

- To maintain maximum interoperability among Bluetooth devices, the C3 provides USB interface for firmware upgrading.
- For the instructions on how to upgrade firmware of C3, please visit our website, www.sonorix.com

Specifications

Standards	Bluetooth Specification V1.2
RF Frequency Range	2402 ~ 2480 MHz
Profiles Supported	A2DP, AVRCP, Headset, Handsfree
Transmission Power	0.25 ~ 2.5mW (Class 2)
Receiver Sensitivity	< -80dBm (PER 1 %)
Distance	10m (in open space)
Audio Output	> 20mW
Audio S/N	> 90dB
Audio THD	< 0.1%
Battery Type	Li-Ion Polymer 300mAH
Battery Life	Standby > 200 hrs Audio or Voice Connection > 6 hrs
Charging Time	< 3 hrs
Size	20 X 22 X 66
Weight	22g
Operating Temp. & Rel. Humidity	-10 ~ +50°C, Rel. Humidity 0 ~ 95%

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.


Disclaimer Notice

The manufacturer shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this material. This document contains proprietary information, which is protected by international patent applications and copyright. All rights reserved. No part of this document may be copied, reproduced or translated without prior written consent of the manufacturer. The manufacturer reserves the right to revise this publication and to make changes from time to time in the contents hereof without obligation to notify any person of such revisions or changes. The manufacturer also reserves the right to change the specifications without notice.

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>

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



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- 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.

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- 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.

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This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

