

Contact Us

※ Please contact the place of purchase for returning the product.

- Please call our office first in case of a product failure.
- For after-sales services, please send the product to the following address.

BIOSOUNDLAB CO., LTD.

www.biosoundlab.com

Address : Suite 311, 312 Biz Center, Skn TechnoPark
190-1 Sangdaewon-dong, Jungwon-gu, Seongnam-si, Gyeonggi-do,
Zip-code : 462-721, South Korea
TEL : +82-31- 776 -0636
FAX : +82-31- 776 -0639

EU **CE 0678**

This product is CE marked according to the provision of the R&TTE Directive (99/5/EC).

Here by BioSoundLab Co., Ltd. declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

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. Bluetooth is a trademark owned by the Bluetooth SIG, Inc.

User Manual

HA-200

Hearing Enhancer

BIOSOUNDLAB CO., LTD.

Contents

- Safety instructions
- Product characteristics
- Features and Accessories
- Product descriptions – Bluetooth Hearing Enhancer
- Power on/off – Bluetooth Hearing Enhancer
- LED state display
- Basic Operation – Bluetooth Hearing Enhancer
- TV reception
- Pairing of Units (Pairing ; TV Reception Mode)
- Pairing with your Mobile Phone
- Battery charging
- Use of battery
- Introduction of Bluetooth
- FAQ
- Product specifications
- Warranty
- Contact Us

Warranty

This product has passed the company's own quality control and thorough inspection. While using it, if any manufacturing defect is found or it breaks down, contact the place of purchase or our head office for after-sales services.

Product Name	Bluetooth Hearing Enhancer	Serial No.	
Purchase date		Date of manufacture	
Place of purchasing		Selling price	

< After Service Regulations >

1. The warranty period of this product is one year from the date of purchase.
2. Any failure which occurs under normal use during the warranty period shall be repaired free of charge.
3. In the following cases, repair costs shall be charged even during the warranty period.
 - (1) Failures and damage which are caused by user's negligent handling or an improper use of the product.
 - (2) Failures and damage which are caused by any product repair, remodeling, disassembly, and cleaning at user's own discretion.
 - (3) Failures which are caused by natural disasters such as fire, earthquake, flood, or lightning.
 - (4) Failures and damage which are caused by poor storage such as falling, impact, pressurizing, dust, sand, or flooding.
 - (5) Failures and damage which are caused by careless storage (hot and humid places or intense cold).
 - (6) Failures and damage which are caused by using consumables or components that are not genuine products.
 - (7) In case it is impossible to check if the used product is a genuine one (In case the serial number plate attached at the bottom of the product is damaged).
4. The warranty regulations on the repair, replacement, and refund of the product shall be in accordance with the customer injury compensation rule of the notification of the Ministry of Finance and Economy.
5. The holding period of key components is 3 years.

The design, specification and user's manual of this product are subject to change without notice for performance improvement.

Product Specifications

Names of devices	Bluetooth Hearing Enhancer
Supported Bluetooth profiles	Headset Profile V1.2
Frequency range	2402 ~ 2480 MHz
Size	55(L) X 19(W) X 34(H)mm
Weight	11g
Bluetooth specification	Bluetooth V2.1(Power Class 2)
Wireless range	maximum 10m
Continuous call time	About 4 Hours
Call waiting time	About 100 Hours
Battery	Lithium Polymer Battery / DC 3.7V

* The wireless range is subject to change depending on working environment.

Safety Instructions

1. Do not drop the product. If you dropped it, check its sound. If a defect is found, ask for a repair immediately.
2. Do not get the product wet.
3. Conduct an inspection periodically.
4. Be careful when you wear the product because you may strain your ears due to some feedback sound if you wear it when it is not completely turned off.
5. It is prohibited from wearing it if you have a wound in your external auditory meatus, or an inflammation in your middle year, or if there is anything wrong with your eardrum.
6. In case you have an inflammation in your external auditory meatus, wearing it may cause serious side effects such as hearing loss. Therefore, consult a medical specialist in such a case.
7. If you need the function of TV reception, use the transmitter supplied together with the product.
8. The function of mobile phone can be used only with the type of phones compatible with Bluetooth 2.1.

Product Characteristics

1. With its Bluetooth function, it is possible to have clear telephone conversations by linking it with a mobile phone.
2. Users can adjust the volume to a suitable sound level according to their hearing ability.
3. It is designed to hear dialogues clearly and naturally by reducing noises greatly in the surroundings.
3. If it is linked to a mobile phone for telephone conversations, you can hear voices very clearly.

FAQ

Are there any factors which obstruct telephone conversations?	As devices such as wireless telephones or wireless network devices may cause noises, thus destructing telephone conversations, if possible, it is recommended to use the product in areas which are far away from such devices that use or create radio waves.
Does the product have any effect on electronic products in a car, a radio, or a computer?	The product generates less power than an ordinary mobile phone and complies with the International Bluetooth Standard. Therefore, it does not exert any effect on standard consumer class electronic products.
Is it possible for other Bluetooth users to hear my telephone conversations?	If a Bluetooth mobile phone is registered with the main unit, the connection is made only between two devices. And as the frequency power of wireless Bluetooth signal is lower than that of ordinary mobile phones, it is not easy for a third person to trace telephone conversations.
During telephone conversations, it makes a noise.	Adjust the volume or move to use it in other areas.
How is the product maintained?	Clean the product lightly with a clean and soft cloth.
Battery charging is not completed.	The product and the battery charger may not be properly connected. Disconnect them and connect them again to re-charge it.

Introduction of Bluetooth

1. Bluetooth wireless technology

Bluetooth is a short range wireless communication technology. With the use of 2.4 Ghz frequency, it can connect various types of devices wirelessly within a certain range.

Communication devices such as mobile phones, PCs, printers, and PDAs as well as digital household appliances supporting Bluetooth can send and receive data without cable connection at a very high speed.

※ Reference

- As Bluetooth uses the same frequency bandwidth as low power devices such as industrial, scientific, and medical devices, electronic products and wireless LANs, there might be radio interference between such devices.
- Due to obstacles such as walls, corners, and partitions depending on the location of users, transmitting and receiving signals may get weak. Therefore, use such devices in areas where there are no obstacles.

Features and Accessories

- Bluetooth Hearing Enhancer (Main unit)
- Battery charger



Product Descriptions

Bluetooth Hearing Enhancer



Use of battery

Charging time and standard battery life time

Charging time	Standard battery life time	
	Calling time	Hearing aid mode time
About 2 hours	About 4 hours	About 8 hours

Battery Charging

Method

Connect the charger to the battery charging jack at the bottom of the main unit and insert the plug into the 110V socket, and then the battery is charged.



Power on/off

1. Power on

If you switch on the main unit, the pale green LED turns on with the power on.



2. Power off

If you switch off the main unit, The red LED turns on with the power off.



Pairing with your Mobile Phone

1. If you press the call button two times when the power of the main unit is off, the pale green LED blinks and the main unit enters into the connection mode.
2. At this time, if the main unit and the mobile phone are connected, the LED blinks.
3. Activate the Bluetooth function of a mobile phone.
(As every type of mobile phone has different Blue tooth activating methods, refer to the user's manual of your mobile phone.)

Call Answer/End

1. Telephone connection and disconnection
When receiving a telephone call, press the call button of the main unit one time to answer the telephone call.
If you press the call button one more time when finished, the call is disconnected.



LED State Display

State	LED Display
Power ON	Green LED
Power OFF	Red LED
Pairing	Green LED blinks rapidly
Waiting	Green LED blinks
Charging	Red LED
Fully Charged	Green LED

Basic Operation

- ▶ Wearing the main unit
Put the earcap of the main unit into your year adequately.
- ▶ Volume control button
If you press the upper part of the volume control button, the volume becomes louder. If you press the lower part, the volume goes down.



FCC Information to User

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 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.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : 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

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IMPORTANT Safety Instruction:

CAUTION

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside, refer servicing to qualified personnel.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure-voltage that may be sufficient to constitute a risk of sock.



This symbol, wherever it appears, alerts you to the important operating and maintenance instructions in the accompanying literature. Please read the manual.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this equipment near water.
- 6) Do not use near any heat sources such as radiators, heat resistors, stove, or other equipment that produce heat.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS