

Thanks for using

MEARSUN

The User Manual of Bone Conduction
Auxiliary earphone Earphones

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I. Overview

1.1 Product Information:

Trademark: mearsun

Model: MES-E100

Product Name: Bone Conduction Auxiliary earphone Earphones

1.2 Main Structures and Components:

The earhook bone conduction Auxiliary earphone consists of a microphone, a signal processing unit, a bone conduction oscillator, a lithium battery, and a charging cable.

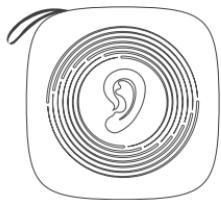
1.3 Intended Use:

The bone conduction Auxiliary earphone is used to improve the hearing of hearing-impaired people. It can effectively improve the listening experience of people with communication needs, and thus help them improve their communication skills.

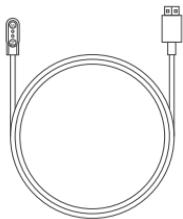
1.4 Packing List:



A



B



C



D

1.5 Working Environment

- A. Ambient temperature range: -10°C-40°C
- B. Avoid long-term high temperature, high humidity, or direct sunlight

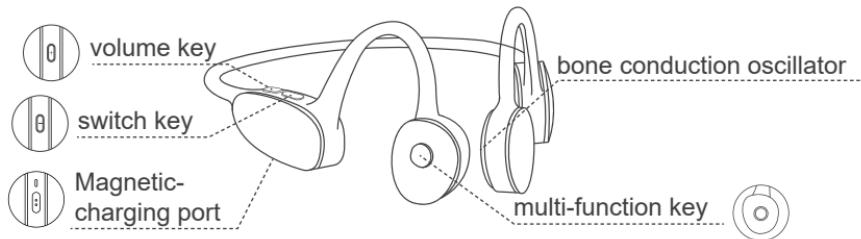
1.6 Storage and Transportation Environment

- A. Adopt general cargo transportation methods; prevent direct exposure to sunlight, rain, and snow; avoid mechanical collisions.
- B. Long-term storage should be indoor with a temperature of -10°C-45°C, with ventilation and no corrosive gases.

II. User Instructions

2.1 Auxiliary earphone User Instructions:

1. Auxiliary earphone Product Diagram



2. Simulation headset button operation:

Simulation headset switch:

Long press the volume "+" button for 3 seconds to turn on manually (blue light);

Long press the volume "+" button for 3 seconds to manually shut down (red light on);

Bluetooth pairing: Long press the headset volume key "+" for 5 seconds, confirm that the red and blue lights alternately flash, and then turn on the authenticator, the screen shows Bluetooth matching, wait for a moment, Bluetooth automatic link, when the screen shows volume tuning, it means that the Bluetooth match is successful.

Volume size: The volume varies from 0% to 100%, with the tone "drop" for

each level. Press the + key to increase the volume. Press "-" Key for volume Decrease; When the volume is adjusted to the maximum or minimum, there will be a "drop" sound prompt.

Answer a call: Click the multifunction key when a call comes in.

Hang up: Click the multi-function key during a call.

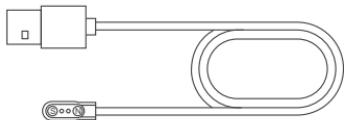
Reject incoming calls: Long press 2s multi-function button;

The Simulated earphones are connected to Bluetooth earphones, and the use of APP to adjust the volume is invalid.

Low power alarm: when low power, play a low power tone every 60 seconds;

Low power prompt does not repeat the prompt after three times, the battery 3.1V automatic shutdown "drop".

Power display: Connected to the mobile phone, the headset power will be displayed next to the Bluetooth icon in the status bar of the mobile phone (the display icon of the mobile phone system shall prevail).



3. Auxiliary earphone Charging and Battery Life:

- A. Charging and battery life: After the product is fully charged, it can be used for 14 continuous hours (the battery capacity will decay with use and time);
- B. The product can be charged with the magnetic charging cable included.

The standard charging voltage is: 5v

C. The charging indicator light is always red during charging and will turn blue when fully charged. A full charge takes about 2~3 hour.

2.3 Simulation headset fitting process:

How to use APP fitting

You can connect the APP on your smartphone via Bluetooth for smart fitting and customize your own listening mode.

1) Install the APP

- For Android phones, you can search, download and install the "Mei 'er Sound" APP through the App market.

- iPhone users can search, download and install the APP through APP Store

2) Connect to the APP

- Long press the volume button "+" on the headset for 5 seconds, and the red and blue lights flash alternately. Turn on the Bluetooth function of the mobile phone, find "mearsun" in the Bluetooth list of the mobile phone, and link. When the indicator shows blue, it means that the Bluetooth has been connected and paired.

- Open the mobile APP, register an account, log in, the Bluetooth pairing page will be displayed, click the "click select device" button, the device list will appear, select "Mearsun" to adapt, complete the Bluetooth pairing.

- After pairing, enter the volume interface, you can adjust the total volume, or adjust the volume of the left and right ears.

3) APP matching

- Click "Enter Fitting" button in the sound adjustment interface, follow the normal procedure of fitting introduction, click "Start" button to officially enter

the fitting interface, the default start is left ear fitting;

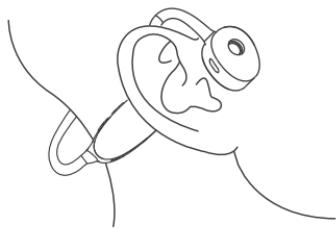
- Select a single frequency in order, the simulation headset will play "woo" or "toot" sound, and then slide the volume up and down to adjust, just hear the sound;
- After testing the last frequency, click the "Save" button. Will be prompted whether to perform the other right ear fitting, according to the prompt, select "no fitting" or "go to fitting" button. Repeat the process to complete the hearing test.
- After all the frequencies are tested, click the "Save" button, the fitting is finished, a fitting map will appear on the interface diagram, and the APP will save your audiogram to the product. The whole fitting process is over. The whole process takes about 3-5 minutes;

2.4 How to Wear

Please wear the bone conduction simulation headset in the way shown below. In order to achieve a better wearing effect, please try to make the bone guide of the product fit in front of the ear.

Additional note:

The headset turns on. It's a hearing aid. Activate the Bluetooth connection, and when playing music, the auxiliary listening function is paused. Bluetooth connection to play music while playing music temporarily stop, listen to start work again. As long as the headset is on, it is always in the working state. Auxiliary listening and player 2 functions, can not be used at the same time.



After the simulation headset is connected to the Bluetooth device, it will automatically connect to the Bluetooth in the future. If not needed, the Bluetooth pairing can be cancelled once.

III. Product Parameters

3.1 Auxiliary earphone Product Technical Parameters Bluetooth version: Bluetooth 5.2

Frequency corresponding range:	500 - 8000 (Hz)
Hearing Recognition rate:	>20%
Full On Gain:	40dB
Battery type:	Lithium-ion Polymer
Battery capacity:	200mAh
Charging voltage:	5v
Charging time:	2-3hours
Working current:	<0.2A
Continuous Auxiliary earphone duration:	14 hours
Maximum output force:	122dB
Weight of earphones:	35g
Waterproof rating:	IPX5
Charging type:	Magnetic charging

IV. Warnings and Cautions

- ▲ Warnings: This product contains lithium batteries. Please do not throw this product into fire or other chemical solutions;
- ▲ Warnings: Do not place this product near heat sources or exposed fire sources, such as electric heaters, microwave ovens, stoves, water heaters, candles or other places that may generate high temperatures.
- ▲ Warnings: Do not use this product in dusty, wet, or dirty places to avoid product failure.
- ▲ Cautions: Do not use this product during the shower, washing face, shaving, applying makeup, etc.
- ▲ Cautions: Please avoid intense pressure on the bone conduction oscillator of this product to avoid damage.
- ▲ Cautions: Please avoid bumping or falling the product so as to avoid malfunction.
- ▲ Cautions: Please store this product and its accessories in a ventilated, cool, dry place without direct sunlight.
- ▲ Cautions: When charging, please make sure that the charging port is dry. In case of sweating, accidental rain, water immersion, etc., please do not charge immediately. Please dry the product with a clean cotton cloth or paper towel and let it dry completely and naturally before charging.
- ▲ Cautions: When the product is dirty or dusty, do not wash it directly with water or acidic or alkaline detergents.
- ▲ Cautions: Please do not disassemble or modify the product and accessories without authorization. The product damage caused by

this will not be covered under warranty.

- ▲ Environmental Protection: Do not discard waste electrical products at will, and must dispose of them in accordance with local laws and regulations to avoid environmental pollution.

V. Battery Warnings

- ▲ Do not connect metal conductors to the two terminals of the battery, or touch the terminals of the battery, so as to avoid short circuit of the battery and damages such as burning that might be caused by overheating of the battery;
- ▲ Do not expose the battery to high temperature or around heating equipment, such as sunlight, heater, microwave oven, oven, water heater, etc. Overheating of the battery may lead to explosions;
- ▲ If a battery leaks, do not get the leaked liquid in contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water and seek medical treatment at a hospital;
- ▲ Do not throw the battery into the fire, otherwise the battery may catch fire or explode;
- ▲ The operating temperature of the lithium batteries of Auxiliary earphone is 5-25°C. Too high or too low temperature will affect the normal use of lithium batteries.

VI. Warranty Card

mearsun Bone Conduction Hearing Aid Warranty Card

Product Information	
Product Model:	
Product ID No.:	
User Information	
Name:	
Tel:	
Address:	
Seller Information	
Seller Name:	
Selling Date:	

VII. Product Maintenance and Warranty

7.1 Warranty Policy

The after-sales service of this product is strictly in accordance with the "Law of the People's Republic of China on the Protection of Consumer Rights and Interests" and "Product Quality Law of the People's Republic of China", as follows: During the warranty period, you have the right to return, exchange, and repair the product in accordance with this policy.

Repairs, exchanges, and returns should be handled with the relevant order number or invoice.

A. If there is a confirmed and tested performance failure of this product, you can have the following service for free:

Service Type	Service Policy
Returns	You can return for product quality reasons within 7 days from the date of receiving the product.
Exchanges	You can exchange for product quality reasons within 15 days from the date of receiving the product.
Repairs	You can repair for product quality reasons within 2 years from the date of receiving the product.

7.2 Non-warranty

- A. Unauthorized maintenance, misuse, collision, abuse, liquid ingress, accident, modification, incorrect unofficial accessories; or tearing, altering of labels or anti-counterfeiting marks;
- B. Out of warranty;
- C. Product performance failure caused by users;
- D. Damage to the product appearance or structures caused by users;
- E. Damage caused by force majeure.



APP download QR code

FCC Waring:

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.

NOTE: 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.

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

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



Mei Er Sheng Ear Hanging Earphone Products

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