

# Bone-Conduction Bluetooth Sunglasses



User manual

## Preface

Thanks for using our Bone Conduction Bluetooth Sunglasses! We attached user manual which can make you operate the player skillfully. Please read the manual carefully before using this Bone Conduction Bluetooth Sunglasses.

If the actual set of product doesn't comply with the manual, or encounter the problems during use, please contact with distributor in time. Thanks for your cooperation and supporting.

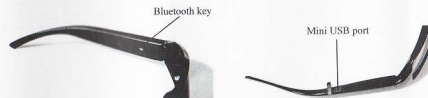
\*Do not put the device into liquid

\*Do not use the device close to hot places

\*Be sure adjust the volume to the proper position

\*The first charge, please in the battery runs out please charge again, to prevent the battery life is short

## Appearance



### 1. The Introduction & Advantages of Bone-Conduction Speaker

There are two kind of sound transmission:

1) One is Air Conduction Sound "To listen via ears", which is transmitted sound through air vibration.

2) One is Bone-Conduction Sound "Directly Transmitting Sound Vibration, which is transmitted sound through bone vibration. Namely, Sound is transmitted through "Air Vibration" and "Bone-Conduction, Skin Tissue Vibration". Sound with bone-conduction technology, there are many advantages. Without Air Vibration, its biggest advantage is that ears have freedom. Two ears will not be bounded to listen. With bone-conduction device, the sounds around you still could be

heard, at the same time, the conversation is also available. In this case, it avoids many accidents which are caused by no hearing the external sounds. Besides, with bone-conduction device, vivid sounds could be heard even though in very noisy environments. Especially, it is very useful for auditory handicaps in special environment.

3) Bone-Conduction Earphone is very helpful for parts of people who has hearing impaired. It is superior to traditional Air Conduction Earphone in hearing protection. Therefore, the products with bone conduction technology have public welfare, and will be developed into kinds of audition equipment in future. This kind of products has been applied to military and industry field. It is hard to hear the sound clearly using traditional earphone in very noisy working environment. In this case, it would be impaired the hearing and it is inconvenient for workers to communicate. But bone conduction earphone could solve the above-mentioned problems. Due to using bone conduction technology, it avoids the harmful effects compared to traditional products. Firstly, bone conduction earphone do not need ear as medium for transmission. In such condition, ears have freedom. It doesn't affect people to do some work related with audition when they are enjoying the music. As a high quality communication media which could ensure the high quality sound and conversation in any noisy environment, the emerging of bone conduction technology are bringing decisive help not only to hearing AIDS field but also to our daily life.

4) In modern society, music is becoming a necessity in people's life. For the health of our ears, it is the best noble and fashion choice to enjoy the music with bone-conduction earphone.

## Specifications & Functional Description

### Technical Parameters:

#### 1. Frame Structure:

\*Combine the East-West ergonomic with the World-class sunglasses technology, reasonable structure, suitable for extended wearing.

\* Anti-UV400 Polaroid polarized lenses can prevent more than 90% UV, so as to protect eyes under the strong sunlight.

\*Compliance with safety regulations of lens (CNS15067)

\*Lens curvature 600C (for Asia)

\* Lens can be replaced

#### 2. Bluetooth System:

\*Bluetooth 3.0 + EDR wireless module/supports A2DP function

\*Transmission range up to 10 meters

\*Support for iPhone, iPad and support for Bluetooth-enabled devices

\*Bluetooth hands-free function, a button to answer the call

- \*Increased personalized voice prompts and Bluetooth music answer function
- \*Built-in lithium polymer battery (220mAh/3.7V) Charging is completed in two hours
- \*Talk time: about 1-2 hours
- \*Standby time: about 50 hours
- \*Rated impedance: 6 ohms
- \*Rated Power: 3W
- \*Frequency Response: 30Hz
- \*Frequency Range: 20-20KHz
- \*RMS: 1.2W
- \*SNR: >78dB
- \*Distortion: < 10%
- \*Weight: 33G
- \*Size: 15\*5.5\*4.5

### 3. Bone Conduction Speaker

- \*The voice will be clear when the bone conduction speaker in the triangular ears (tragus).
- \*Depending on the person's facial bone conduction speaker sound emitted from different positions.
- \* Sound transmitted directly to the inner ear through vibrations of the human skull. Do not need to put the headset to the ear, prevent damage to the eardrum of the headphones. Protect human hearing health and liberate people's ears.
- \* Using bone conduction technology to ensure call clarity in extremely noisy environments. It can effectively isolate all environmental sounds around.

### 4. Quick Start Guide:

#### Bluetooth operation

##### 1. Bluetooth Boot:

Press and hold the Bluetooth button for 5 seconds, blue lights flash, the machine back to the last paired Bluetooth devices, the blue light flashes slowly after the devices are properly connected to.

##### 2. Bluetooth pairing:

\*Press and hold the Bluetooth button for 7 seconds the machine automatically enters to pairing mode Bluetooth, red and blue lights flash alternately, after pairing is successful, the blue light flashes slowly.

\* In standby mode, press the Bluetooth button for 2 seconds, the machine automatically enters to pairing mode Bluetooth, red and blue lights flash alternately, after pairing is successful, the blue light flashes slowly.

\*Device name: ECSEB      Pairing pin: 0000

##### 3. Answer the phone:

\*In coming calls, the machine would beep, press the Bluetooth button to enter into the Bluetooth call.

##### 4. Bluetooth shutdown:

\* In standby mode, press and hold the Bluetooth button for 7 seconds the machine would be shut down automatically.

##### 5. Listen to mobile music:

\* The machine can listen to the music after successful connection with the cell phone.

### 6. Bluetooth Charge:

\*Connect the USB cable in the accessories to the power charger or computer USB port for charging, red lighting during charge, the red light goes off after full charge.(Note: please strictly use the USB Cable attached.)

### FAQ:

#### \*Unsuccessful Mobile phone Matching:

1. Check whether the device is in pairing mode
2. Close other Bluetooth peripheral devices

\*Sound too small or distorted

Check the phone volume settings and adjust the phone volume to the appropriate size

\*staccato phenomenon during calls and playing music

Check the phone whether the device is out of range, or there is an obstacle

\*Pause or no role to play music

Try the phone system music player or other players