

1815

Hearing Aid

User Manual



## Product Description

1. Product Name: Hearing Aid
2. Model: 1815
3. Charging Method: Power supply with output of DC 5V
4. Battery capacity: Hearing aids: 180mAH
5. Standby Time: 80 Hours



# Operational Guidelines

## Operation method:

**Power on:** Press the power ON/OFF key and keep for 5 seconds;

**Hearing aid mode conversion:** Press the working modes switching key once;

**Volume adjustment:** Press the volume key once ;

**Shut down:** Press the power ON/OFF key once, then press it again and keep for 3 seconds;

## HOW TO USE IT AS A HEARING AID

**Step 1.** Put the hearing aid in your ears;

**Step 2.** Press the power ON/OFF key and keep for 5 seconds, turn on the hearing aid;

**Step 3.** Chose a working mode in which the voice is perfectly clear by pressing the working modes switching key (Note 2);

**Step 4.** Adjust the volume to the most comfortable level by pressing the volume key (Note 1).

**NOTE1:** The hearing aid has five levels of volume, which can be switched up and down by clicking on the volume keys.

**NOTE 2:** This hearing aid supports four working modes, through pressing the working modes switching key can be mode cyclic switch, boot default mode is "Full-band amplification mode".

## HOW TO USE IT AS A BLUETOOTH HEADSET

After turning on the hearing aid, press the power ON/OFF key once, and search pairing name "1815" and connect to your Bluetooth device.

**Play/Pause/Next/Previous/Volume adjustment:** Operate your

Bluetooth device

**Answer/Hang up:** Press the power ON/OFF key once

**Refuse:** Press the power ON/OFF key and keep for 2 seconds

This hearing aid supports automatic switching between hearing aid mode and Bluetooth mode, allowing users to pause music or end a call without the need for any operation. The headphones will automatically enter the hearing aid working mode.

#### Important Notes:

If you can not hear clearly after adjusting the working mode and volume of the hearing aid, please change the different types of earplugs and adjust them again to the best condition.

## Trouble Shooting

Failure Description	Possible causes	Solutions
No Sound	The battery is depleted	Charging
	The outlet or Microphone blocked	Clean the mouthpiece or microphone
Voice Indistinct	Low power	Charging
	The volume is too low	Turn up the volume
Squeaked	The earplug came loose	Replace earplugs or tighten hearing aid
	The hearing aid is not well worn	Put the hearing aid back on
	The earplug came loose	Replace earplugs or tighten hearing aid

## Product Parameters

OSPL90 Max@2900 Hz	≤115dB±4dB
OSPL90 HFA Avg	108dB±4dB
FOG50 Max@2900Hz	45dB±4dB
FOG50 HFA Avg	38dB±4dB
Frequency response range	200Hz~7500Hz
EQ Input Noise	≤15dB±2dB
Total harmonic distortion	≤1.5%
Rated power supply current consumption	1.7mA
Charging Standard Voltage	DC5V
MAX Charging Current	300mA

## General Safety Instructions

- High temperature, high humidity, strong magnetic field (> 0.1 t/MRI), x-rays and mechanical pressure can damage hearing aids.
- Classified by type of anti-shock: Type B for internal power.
- Do not place hearing aid in high temperature or high humidity. Do not use hearing aid in the shower, wash your face, shave, make-up. Do not put your hearing aid in the microwave.
- Please press the hearing aid button lightly to avoid damage.
- Please dispose of them according to the relevant regulations of the state.

### Warning:

- Keep hearing aid and accessories away from children to avoid swallowing accidents. If a child has a swallowing problem, seek medical attention immediately.
- Do not use this in explosive hazards such as mining areas.

# EMC & Environmental Test Requirements

## ► EMC

The requirements of the proximity compatibility provision in GB/T 25102.13-2010, part 13: electroacoustic hearing aid: Electromagnetic compatibility (EMC).

## ► Environmental test requirements

Environmental testing of hearing aid shall comply with GB/T 14199-2010 4.4 and tables 2.1 and 2.2. The transport test shall comply with the provisions of chapter 4 in GB/T 14710-2009.

# Safety Requirements

Should comply with GB 9706.1-2007 “Medical Electrical Equipment Part 1: General Requirements for safety”.

- Users should install and use according to the electromagnetic compatibility information provided by the random files;
- Portable and mobile RF communication devices may affect the performance of inner-ear hearing aid, to avoid strong electromagnetic interference, such as close to mobile phones, microwave ovens and so on;

# Maintenance

- Your hearing aid is a highly accurate system. Proper maintenance and operation can ensure the best performance. Cleaning the ear canal at least twice a week ensures the longevity and reliability of the hearing aid.
- Clean the microphone inlet and receiver outlet regularly.
- If the hearing aid is damp, do not use microwave oven, hair

dryer and other electric heater drying, please put in the dry ventilated place to dry.

►Please wipe the hearing aid with a soft dry cloth. Do not use any solvent or detergent.

►Do not vibrate or hit the hearing aid.

## Contraindications And Precautions

### Contraindications:

1. Congenital aural atresia or external auditory meatus malformation, external auditory meatus a large number of foreign bodies;
2. Sudden deafness, especially within 3 months;
3. Rapid progressive hearing loss;
4. Hearing loss may be accompanied by dizziness, headache, or earache;
5. Any cause of conductive deafness (inflammation of the outer ear, middle ear, effusion, foreign body embolism, etc.) ;
6. Patients with acute otitis externa, tympanitis, chronic suppurative otitis media (in the period of infection) , acute suppurative otitis media is not suitable for wearing this hearing aid, and the material is not suitable for wearing patients allergic to this product;

### Precautions:

1. Please do not immerse the hearing aid in any liquid;
2. Before swimming and shampooing, please take off the hearing aid. And make sure your ear canal is dry before putting your hearing aid back on;
3. Keep the surface and the mouthpiece of the hearing aid clean;

## Conditions Of Transport And Storage

### 1. Normal working conditions

- a) Ambient temperature: 0° C~40° C;
- b) Relative humidity: ≤80%;
- c) Atmospheric pressure: 86Kpa~106Kpa;
- d) Rated working voltage: 5V;

### 2. Transport

Packaged hearing aid can be transported in general cargo, but should be protected against the sun and rain, snow or direct rain or mechanical impact.

Environmental conditions of transportation: Ambient temperature: 0° C~40° C; , Relative humidity: ≤80%;

### 4. Storage

Long-term storage of hearing aid should be placed in 0~38 ° C, relative humidity not more than 80% , with ventilation conditions and without the presence of corrosive gases affecting the performance of hearing aid in the warehouse.

## Packing Accessories

Hearing Aid: 1 piece

Earplugs: 3 pairs

Charging Cable: 1 piece

User manual: 1 piece

Brush: 1 piece

Cleaning cloth: 1 piece

## FCC Statement

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 1: 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.

NOTE 2: Any changes or modifications to this unit 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.

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