



## **Instruction Manual for HD-48 Series**

# Content HD-48 HD-48of ( open fit)

Preface.....	1
Feature.....	2
On and Off function.....	2
How to wear your hearing instrument.....	3
Operation.....	4
Volume control.....	4
Memory switch.....	4
Under trimmer cover.....	5
Trimmer.....	5
Replacing the battery.....	6
Maintenance.....	7
Trouble shooting guide.....	7
Low battery warning.....	8
Battery caring .....	8
Appendix.....	10

Work condition.....	10
FDA Information .....	10

## **PREFACE**

---

---

Congratulations! Behind-The-Ear hearing instrument (called BTE). Please read this manual carefully before using.

### **Intended use**

Hearing instrument is a kind of electronic device which amplifies sound from your surroundings. It is used to help hearing impaired people recover hearing ability by compensating for the hearing loss for them. Your BTE is only one type of hearing instrument.

### **Scope**

This user manual only applies to HD-48 series.

### **Precautions**

For patients with middle ear infection, it's suggested not to wear hearing instrument until cured or follow the doctor's advice.

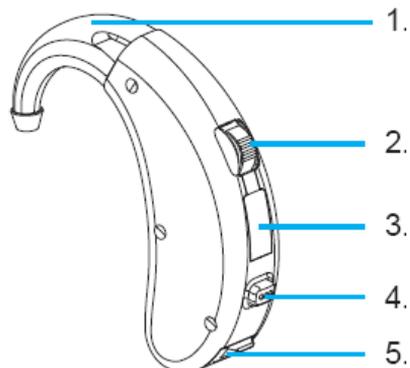
Please consult your hearing healthcare professional first if you have any questions about your hearing or your hearing instrument.

**THE MANUFACTURER RESERVES THE RIGHT TO MODIFY WITHOUT ANY PRELIMINARY OPINION THE TECHNICAL SPECIFICATIONS OF THE PRODUCT.**

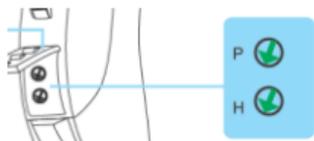
## Features

---

BTE with earhook connected with earmold (ear tip) fits comfortably in your canal.



1. Earhook
2. Volume Control
3. Trimmer cover
4. Memory Switch
5. Battery door



Trimmer(s)

## Operation

---

### ON and OFF function

Turn on your hearing instrument by closing the battery door completely.

Turn off your hearing instrument by opening the battery door slightly.

**Note:** Never force the battery door open or closed.

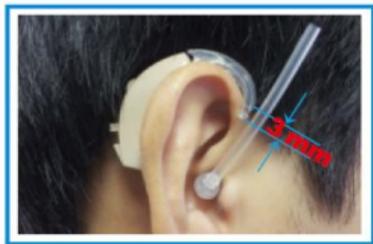
### How to Wear Your Hearing Instrument

#### Attach your hearing instrument parts

1. Choose the suitable earmold (or eartip), and then fit with the adaptor and sound tube.



2. Cut off the needless part of the sound tube showed below to achieve the best hearing experience. And then connect sound tube with earhook.

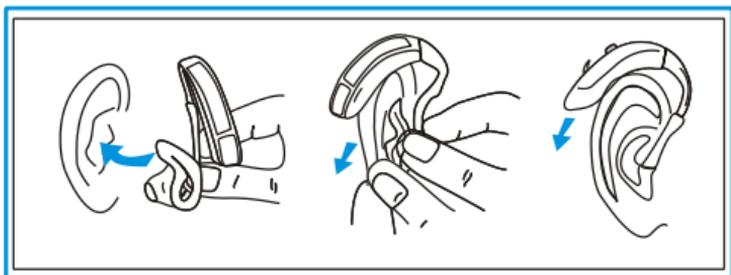


Insert your earmold (or eartip) correctly based on patient practice. Please consult your hearing healthcare professional when you have some difficulty in inserting the earmold.

**Step 1.** Hold the earmold (or eartip) by the outer side near the tubing with your thumb and forefinger. Insert the canal tip of the earmold into your ear canal gently. Then softly press the earmold into place with your fingertip.

**Step 2.** Carefully place the BTE behind your ear with the ear hook and earmold tubing wrapped over the top.

**NOTE:** Before placing the BTE earmold (or eartip) into your ear canal, insure the battery is inserted properly and the battery door is closed securely.

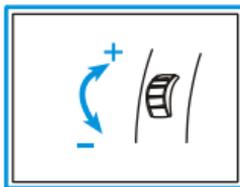


## Volume Control

To adjust the volume, rotate the volume control by your fingertip up and down. The numbers indicates an orientation for the current volume setting.

To increase the volume, turn the volume control up. To decrease the volume, turn the volume control down.

Note: Before wearing the instrument, make sure that the volume is not at the maximum place. Adjust volume gradually according to your own hearing requirement to avoid feedback and protect your hearing.



## Memory Switch

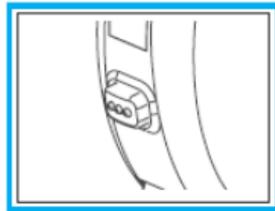
Your hearing instrument can be programmed up to 4 different listening programs.

When the hearing instrument is turned on, it will automatically be in program 1.

The additional settings which are pre-programmed for your specific needs are accessed by the memory switch. Each time you press the memory switch, the hearing instrument will move to the next program. The sequence is 1, 2, 3, 4,1...

Your hearing instrument will alert you to help you identify which program you are using. When you select program 1 you will hear one beep, program 2 will emit two beeps, and so on.

Please kindly note that the programs are set by your hearing healthcare professional or manufacturer.



## Accessing the trimmer

Pre-set controls are placed under the cover

The trimmer cover should always remain closed to prevent dirt and moisture entering the instrument.

Open:

Pull the top of the cover with your thumbnail.

Close:

Push the trimmer cover downward gently

## Trimmers

HD-48 HD-48of

The P trimmer adjusts the amount of output sound. Turn the trimmer clockwise for maximum sound amplification.

The H trimmer alters the amount of background noise reduction.

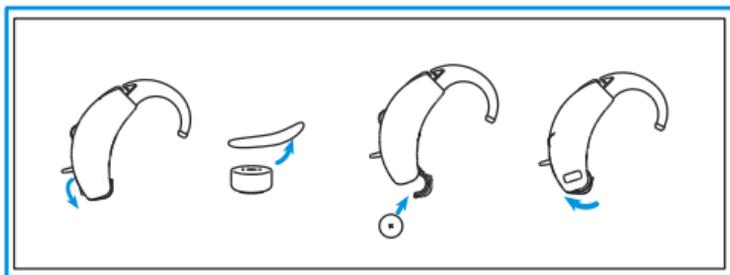
Turn the trimmer clockwise for maximum noise reduction.

## Replacing the battery

1. Switch off the hearing instrument by opening the battery door.
2. Remove the old battery.

3. Remove the protective foil from the new battery.
4. Insert the new battery ,ensure the plus (+) is up as shown below.
5. Close the battery door.

**Important:** Handle the battery door gently. The operation requires only a minimum force. If there is any resistance when closing the battery door, ensure that the battery is correctly inserted. The battery door cannot be closed if the battery is inserted incorrectly.



# Troubleshooting

<b>SYMPTOM</b>	<b>POSSIBLE CAUSES</b>	<b>SOLUTIONS</b>
No sound	No battery	Insert battery
	Dead or low battery	Replace battery
	Battery improperly inserted	Insert battery correctly
	Wax or debris in the ear mold or ear tip	Remove and clean the ear mold or ear tip
Not loud enough	Low battery	Replace battery
	Excessive ear wax	Consult your physician
	Volume set too low	Turn up the Volume Control
	Improper insertion of ear mold or ear tip	Remove and reinsert the ear mold or ear tip
	Hearing change	Contact your hearing care professional
Whistling, feedback	Improper insertion of ear mold or ear tip	Remove and reinsert the ear mold or ear tip
Not clear or distorted sound	Low battery	Replace battery
	Hearing instrument damaged	Contact your hearing care professional
	Hearing instrument settings not optimal	Contact your hearing care professional

## **Low Battery Warning**

When you hear one short beep, it means that the battery is running out.

Intermittent warning exists until you replace the battery.

The sound quality may be influenced after the first warning, this is normal and can be remedied by inserting a fresh battery in the hearing instrument.

Always remove the battery if your instrument is not in use for long periods.

## **Battery care**

The performance of hearing instrument greatly depends on the quality of the battery.

1) It is important to use high-quality batteries. With reliable high-quality batteries, you can avoid periodic hearing instrument failures.

2) It is also important that the batteries are well packed before use. Each battery is therefore provided with an adhesive label which ensures the battery is sealed and fresh till use.

3) Never leave an exhausted battery in the hearing instrument. Exhausted battery may leak causing damage to the instrument

## Cleaning

Ear wax is one of the main causes of problems with hearing aids.

Filter and other devices are used for preventing wax from entering the instrument.

Cleaning is easier when ear wax is dry in the morning before you insert the instrument to your ear.

Clean your instrument with a soft, dry cloth and a small brush. Do the cleaning on a soft table to avoid damage or scratch in case the instrument falls.

- Do not use water or other fluids.



## Working Condition

Temperature should not exceed limits of  $-20^{\circ}/60^{\circ}$  Celsius at a relative air humidity of 85% for extended periods during transportation and storage. Air pressure between 500 and 1100 hPa is not detrimental to the instrument.

## Technical Data Standard

Maximum Output (2cc-coupler / IEC-118-7/2005)



### Manufacturer

Solar Ear [www.solarear.org](http://www.solarear.org) Botswana, Brazil, China, Mexico, Pakistan, Egypt

---

## **FDA information**

Following the medical evaluation, the physician will give you a written statement that states that your hearing loss has been medically evaluated and that you may be considered a candidate for a hearing aid. The physician will refer you to an audiologist or hearing aid dispenser, as appropriate, for a hearing aid evaluation.

The audiologist or hearing aid dispenser will conduct a hearing aid evaluation to assess your ability to hear with and without a hearing aid. The hearing aid evaluation will enable the audiologist or dispenser to select and fit a hearing aid to your individual needs.

If you have reservations about your ability to adapt to amplification, you should inquire about the availability of a trial rental or purchase-option program. Many hearing aid dispensers now offer programs that permit you to wear a hearing aid for a period of time for a nominal fee after which you may decide if you want to purchase the hearing aid.

Federal law restricts the sale of hearing aids to those individuals who have obtained a medical evaluation from a licensed physician. Federal law permits a fully informed adult to sign a waiver statement declining the medical evaluation for religious or personal beliefs that preclude consultation with a physician. The exercise of such a waiver is not in your best health interest and its use is strongly discouraged.