

PYLE
PyleUSA.com



VISIT US ONLINE:
Have a question?
Need service or repair?
Want to leave a comment?
PyleUSA.com/ContactUs

PYLE



PHLHA52

Digital Hearing Aid

4 Channel Universal Fit,
Behind The Ear (BTE) Hearing Amplifier

I. INTRODUCTION

1.1 What is hearing loss?

A speech frequency pure tone average (average of hearing thresholds at 0.5, 1, 2, and 4kHz) of greater than 25 dB hearing level (HL) in both ears was defined as hearing loss per World Health Organization criteria, and this is the level at which hearing loss begins to impair communication in daily life. (Extracted from the literature of: World Health Organization prevention of Blindness and deafness (PBD) program. Prevention of Deafness and Hearing Impaired Grades of Hearing Impairment)

1.2 What is Digital Hearing Amplifier?

PHLHA52 is a hearing amplifier device that receives sound and digitize (breaks sound waves up into very small, discrete units) prior to amplification. Unlike traditional analog hearing amplifier, it simply makes the sound wave larger to amplify sounds. The most sophisticated digital hearing aids have built in intelligence that allows them to discern between soft, but desirable sounds, and louder with unwanted noise. Such device can amplify the former, while neutralizing the latter for better performance in a variety of environments.

II. INTENDED USE

2.1 Medical Purpose

The hearing amplifier was intended to compensate of impaired hearing.

2.2 Intended Patients and Environment

The hearing amplifier are expected to be used indoor or outdoor environment. Any patients that needs hearing compensation diagnosed by doctor can use the **PHLHA52** but the patient must be over 36 months of age.

2.3 Side Effects

- Patients with sensitive skin against silicon material, may cause the ear canal pruritus.
- First use may cause ear canal to have temporary maladjustment such as slight pain.

III. IMPORTANT SAFETY INSTRUCTIONS

Read all the information in the manual and any other literature included in the box before using the device.

3.1 CONTRAINDICATION WARNING

The device is unsuitable and should not be used in the following situations:

- Patients with chronic suppurative otitis media, congenital ear atresia is not allowed to use the unit.
- This hearing amplifier can only be used for compensating the patients with hearing impairment, and not for hearing therapeutic purpose.
- The hearing amplifier should not be used by infants under 36 months of age.

3.2 WARNINGS

- Your hearing instrument contains small parts that can be swallowed. Keep hearing instruments, batteries and accessories out of reach of children and mentally disabled persons. If parts have been swallowed, consult a physician immediately. Dropping, immersing in liquid, strong electro magnetic fields or excessive heat will damage the hearing amplifier. If parts remain in the ear, please go to see a doctor as soon as possible, do not take it out by yourself.
- Remove the battery to avoid leakage if it is not likely to be used for some time.
- Remove the seal on the positive side of battery (#13 zinc-air battery) before loading. The battery operates normally in about 1 minute after the seal is removed.

- Open the battery compartment lid. Load #13 battery into the battery compartment with correct polarity, the plus mark + on the battery and lid should be on the same side.
- Close the battery compartment lid. Waste batteries and hearing aids should be disposed according to battery recycling management. DO NOT dispose the battery into fire.

3.3 Notice WARNING

- DO NOT use it at a high volume for a long time. Otherwise it might injure your ear. If you feel uncomfortable, please stop using.
- Please maintain the product all the time. Avoid ear plug and sound collecting hole being blocked by foreign objects which may alter the effect of the sound amplifier.
- Batteries are harmful if being swallowed. Always store batteries out of reach of children.
- Protect the device from impact, humidity, dirt, marked temperature fluctuations and direct sunlight
- Don't throw the scrapped battery as common rubbish, it should be handled by special instruments.
- **Do NOT** use the sound amplifier in a potential explosive and hazardous environments.
- Keep the unit away from the children which may give injury or damage the unit.

- Don't use in an oxygen rich environment.
- To protect your hearing, avoid listening at high volume levels for long periods of time. Special care must be taken because of high-output type of the amplifier.
- Do not lend your hearing amplifier to other persons. Using a hearing amplifier designed for someone else may result in hearing damage.
- Monitor any unusual skin reaction. In some instances, wearing a hearing amplifier can cause an allergic reaction leading to itchiness or rashes. If you notice any unusual skin condition, stop wearing the hearing amplifier and see a medical specialist.
- Do not touch the magnetic thing of the hearing amplifier. Hearing amplifier may be brok when the magnetic thing is touched.
- Be sure to take off the hearing amplifier when getting a diagnosis or treatment which may damage the hearing amplifier
- Do not touch the internal parts which contains many delicate parts that are precision adjusted. Never pry the inside of the hearing amplifier with a needle or similar object.
- Do not place in a hot or humid location. Never leave your hearing amplifier near heating appliance or in direct sunlight. Avoid humid locations such as bathrooms or near a humidifier.

- Do not leave your hearing amplifier in the car if its summer time which the temperature may rise in a very high level.
- Do not use the hearing amplifier while using cell phone.
- Radio wave emissions from mobile phones can cause noise in the hearing amplifier or may result in volume decrease of the unit.
- Please contact your distributor for assistance if needed in setting up, using or maintaining the HEARING INSTRUMENT

IV. KNOW YOUR DEVICE

4.1 Notice



1. Volume up/down total 6 degrees
2. Switch the Mode
 - Standard • Noise reduction
 - Indoor • Outdoor
3. "+" Positive electrode of Battery
 "-" Negative electrode of Battery

4.2 List of Accessories

Parts Name	Type and Specification	QTY
Main device	PHLHA52	1 pc
Battery	#13 1.5v	2 pcs
Earplug	Silicon	3 pcs
Brush	ABS	1 pcs

V. HOW TO USE

5.1 Turning ON/OFF

1. **Turn ON:** Close the battery compartment
 The default volume (minimum) and hearing mode (Standard) are set
2. **Turn OFF:** Open the battery compartment

5.2 Replacing Battery

When the battery is low, sound becomes weaker or you will hear an alert signal.

Replace the battery by following these steps:

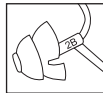


1. Open the battery compartment
2. Remove the protective film from the new battery.
3. Insert the new battery with the "+" symbol in the correct position.
4. Gently close the battery compartment.

5.3 Inserting

1. Please refer to the below indicator for fitting into your right or left ear.

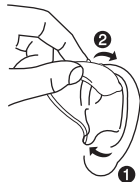
- marker "2B" in red = right ear
- marker "2B" in blue = left ear



2. Hold the tube at the bend that is closer to the ear piece.
3. Carefully push the ear piece in the ear canal

Note: Insert the ear piece carefully and not too deeply into the ear.

4. Twist it slightly until it sits well.



Note: Open and close your mouth to avoid accumulation of air in the ear canal.

5. Lift the hearing instrument and slide it over the top of your ear
6. The concha lock helps to securely retain the earpiece in your ear.

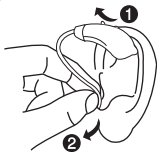


To position the concha lock:

Bend the concha lock and position it carefully into the bowl of your ear (refer to the picture)

5.4 Removing

1. Lift the hearing instrument and slide it over the top of your ear
2. Hold the tube and pull out the earpiece carefully



5.5 Adjusting the Volume

1. VOLUME UP: Lift up the Rocker Switch



2. VOLUME DOWN: pulldown the Rocker Switch



5.6 Changing the hearing mode

There are 4 different modes:

Standard, Noise reduction, In door, Out door. You can switch it by pressing **Mode** button.



5.7 Wide Dynamic Range Compression (WDRC)

WDRC function allows more gain for soft sounds, and less for louder sounds. Little need for manual adjustment

5.8 Adaptive Feedback Cancellation (AFC)

The whistle will be reduced by this function when using the device.

VI. CLEANING AND MAINTENANCE

Cleaning

For hygiene reasons and to maintain functionality, clean your hearing instruments daily. Clean your hearing instruments with a soft, dry tissue. Regularly clean the tubes with special cleaning wines.

NOTE: Do not put the hearing instruments in water. Do not put your device and accessories in water.

Storage

During longer periods of non-use, store your hearing instruments with open battery compartment (and batteries removed) in a drying system in order to prevent the penetration of moisture.

VII. TROUBLESHOOTING

Check the following if the device should fail during operation.


PROBLEM	SOLUTION
No sound or weak sound	<ul style="list-style-type: none">• Turn on the devices• Remove and re-install the battery• Replace the battery• Contact your distributor• Clean or replace the tube or earplug.
Hearing Amplifier emits alert signal	Replace the battery
Distorted Sounds	<ul style="list-style-type: none">• Replace the battery• Decrease the volume level• Clean or replace the tube or earplug
Hearing Amplifier does not work	<ul style="list-style-type: none">• Turn ON the device• Make sure the battery compartment are closed well• Replace the battery

For other issues, please consult your distributor for help.

IX. DISPOSAL



Please dispose of the device in accordance with the directive 2002/96/EC- **WEEE (Waste Electrical and Electronic instruments)**.

 If you have any queries, please refer to the local regulations.

X. Warranty

We offer you a warranty after the date of purchase for one year. Any damage caused by improper handling shall not be covered by the guarantee. Battery and packaging are also excluded from the guarantee. A Warranty claim must be submitted with the purchase receipt.

PHLHA52

DIGITAL HEARING AID

**4 Channel Universal Fit, Behind The Ear (BTE)
Hearing Amplifier**

Features:

- Digital Hearing Amplifier
- Universal Fit Behind The Ear
- Interchangeable Ear Tip to Seal Out the Noise
- Selectable Listening Modes: Normal , Noise-Cut-Down, Outside, In-House
- Unique Ergonomic Design to Prevent Occlusion Effect
- Active Noise Reduction
- Over Discharge/Charge Feature
- Wider Dynamic Range Compression
- Battery Operated

What's in the Box:

- (3) Ear Tip – (2) Medium, (1) Large
- (2) Ear Tube
- Manual

Technical Specs:

- Construction Material: ABS
- Input Noise: $\leq 28\text{dB}$
- Sensitivity: $\geq 40\text{dB}$
- THD: 4%
- Max Sound Output: $125\pm 5\text{dB}$
- Frequency Range: 200-6000Hz
- Power Supply: D.C.1.3V
- Working Voltage: D.C.1.3V
- Working Current: $\leq 4\text{mA}$
- Dimensions (L x W x H): 4.21" x 0.37" x 0.94" -inches
- Sold as: 1