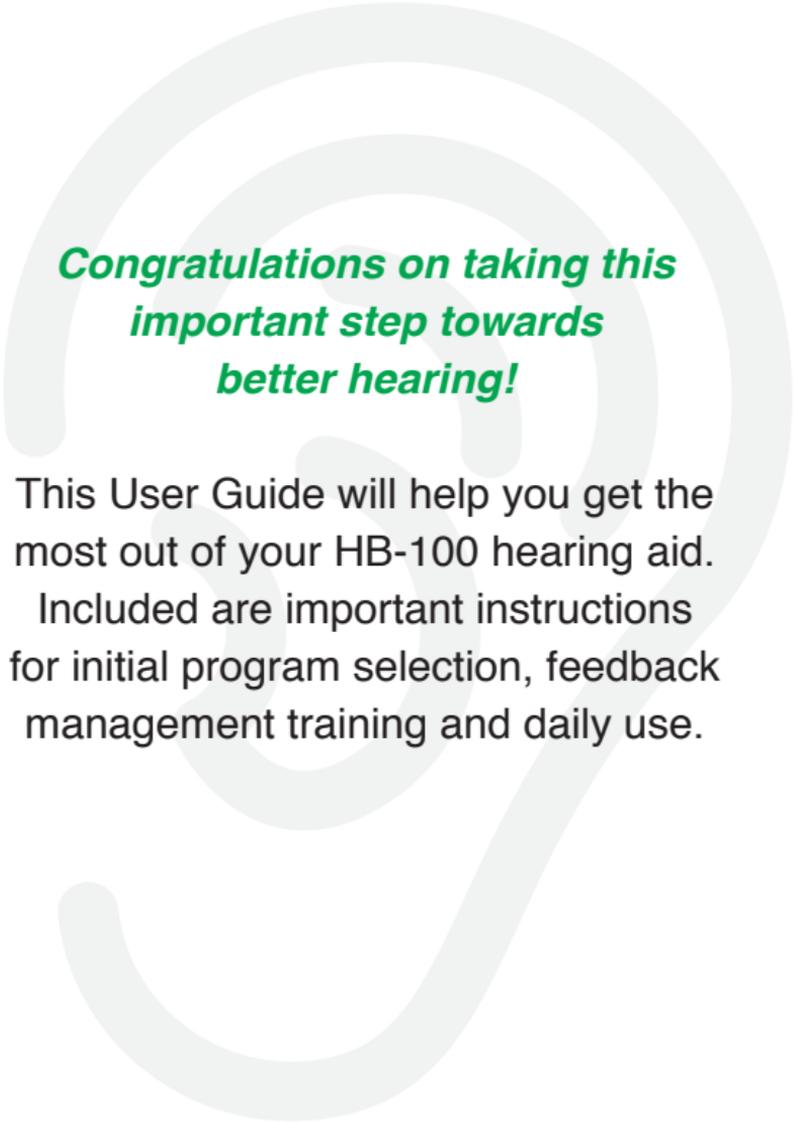




Hearing in a Box

HB-100 Hearing Aid
User's Manual



***Congratulations on taking this
important step towards
better hearing!***

This User Guide will help you get the most out of your HB-100 hearing aid.

Included are important instructions for initial program selection, feedback management training and daily use.

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Customer Help Hotline

If at any time you need assistance with Hearing in a Box products, please contact us at **(888) 347-7746**. Hotline is open Monday - Friday, 8:00am to 6:00pm (CST).

What's in the Box



Tips



Open Fit



Closed Dome

Hearing Aid Components Description

HB-100 Hearing Aid



Initial Set-up Instructions

For a video tutorial on initial programming, please go to www.hearinginabox.com and look in the Tutorials tab.

Battery Insertion and Removal

Your HB-100 hearing aid requires a Zinc-Air #10 battery. The battery door is located at the bottom of the hearing aid. To open, place your fingernail in the notch and with a gentle downward motion, your hearing aid battery door should become ajar. When fully opened, the battery door should extend to a full 90 degrees, or just perpendicular to the hearing aid shell. To insert a battery use the tab on the battery to place the battery in the slot, then peel the tab back, exposing the battery to air.

The battery should sit open to the air for approximately two minutes, in order to activate. After two minutes you can close the door and the hearing aid is ready to wear. To close the battery door, gently push the door closed with the end of your thumb.

If the battery has been correctly inserted, the hearing aid will emit the bugle sound when the battery door is closed. This signifies that the aid is running properly.

If the bugle sound is not heard, either the battery is incorrectly inserted or it has run down and needs to be replaced.

To replace your battery, open the battery door wide enough to remove the battery. To remove the battery, lightly push on the bottom side and it will pop out for easy removal.

Important tips:

- *Do not use force when opening or closing your battery door.*
- *Use only #10 Zinc-air batteries.*
- *When the hearing aid is not in use, leave the battery door open, to shut off the aid.*
- *Never take the tab off the battery until you are ready to use it.*

Warnings:

- *If your battery door becomes loose or disconnected from the hearing aid shell, please contact Customer Care for repair assistance.*
- *Never put a battery in your mouth as they could be swallowed. Keep out of the reach of children, pets and individuals with diminished mental capacity. If swallowed, seek medical attention immediately and call the National Button Battery Ingestion Hotline at 800-498-8666.*

For a video tutorial on Inserting Hearing Aid, please go to www.hearinginabox.com and look in the Tutorials tab.

Inserting Hearing Aid In Your Ear

- Check to see if tip is firmly attached to speaker. If not, do not insert the aid in your ear.
- Ensure that you are using the proper left and right hearing aids. Your hearing aids are identified as follows:

Right hearing aids have a **red tipped** link.

Left hearing aids have a **blue tipped** link.

Step One

Place the hearing aid shell over your ear, allowing the link to naturally coil over your ear (Figure D).

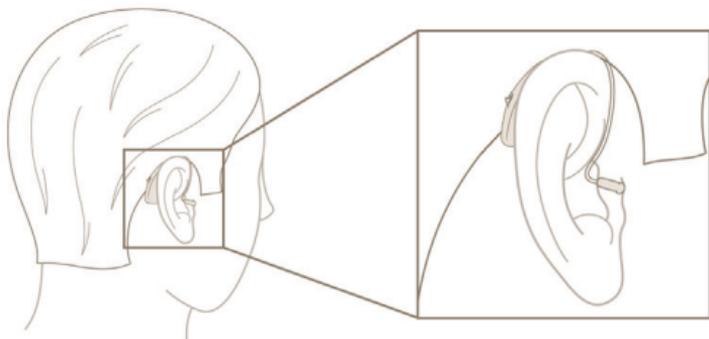


Figure D

Warnings:

- *Do not insert the hearing aid if you think you may have a foreign object in the ear canal.*
- *The hearing aid and tips are made of modern non-allergenic materials. Still, in rare cases, skin irritation can occur. If you experience discomfort or skin irritation in the ear or in the ear canal, discontinue use and contact your physician immediately.*

Step Two

Hold the speaker shell portion of the hearing aid you will be inserting into your ear. Most people use their right hand to insert their right hearing aid and left hand to insert their left hearing aid. Guide the tip and speaker shell into your ear canal. With your free hand, pull your ear up and back (Figure E). This will straighten your ear canal. Continue to gently push the tip and speaker shell up toward the back of head.

Figure E



Removing Hearing Aid From Your Ear

- Grasp the speaker shell with your thumb and forefinger. Gently pull the tip and speaker shell out of your ear canal. The corresponding hearing aid shell and tube will simply roll off the back of your ear.

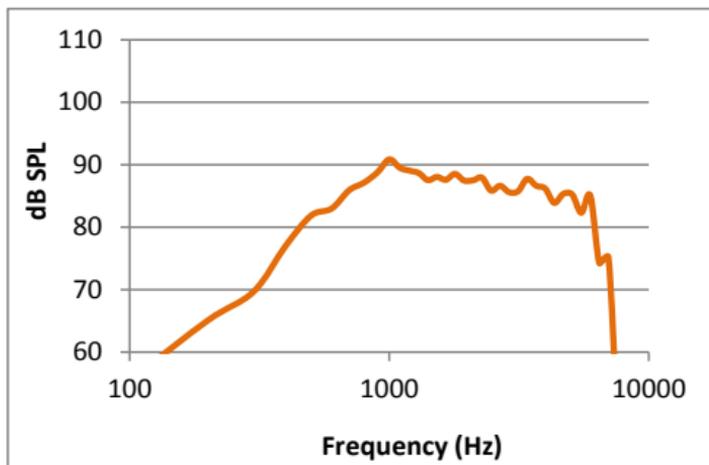
Important tips:

- *Pull tip and speaker shell straight out of the ear by grasping the speaker shell. Do not twist it out of the ear.*
- *Hearing In A Box tips are designed to be securely attached to the speaker shell while inserting and removing the hearing aid from the ear canal.*

Program Selection

For a video tutorial on Program Selection, please go to www.hearinginabox.com and look in the Tutorials tab.

Your hearing aid has been preconfigured with four individual programs. Most people experience greater hearing loss at the higher frequencies, between 1,000Hz and 8,000Hz, where critical speech sounds occur. These programs have been designed to enhance your listening experience at these higher frequencies, as shown below:



Changing the Program

Your hearing aid comes already set at Program 2, as the factory default. Should you require greater amplification, you may choose from Program 3 or Program 4. For less amplification, try Program 1

Your hearing aid comes already set at Program 2 with an Open Dome Tip.

Simply tap the control button on the top of the aid, listen and repeat, until you find the program that works best for you.

Your hearing aid will automatically revert to your chosen program when turned on.

Note: Should you hold the control button down for 2 seconds or longer the hearing aid will return to the factory default (Program 2) and emit a low frequency beep.

Low Battery Warning

When your battery runs down, the hearing aid will emit four tones of descending pitch and say “Low Battery”. You should replace your battery within a half hour of this warning.

Caring For Your Hearing Aids

Your hearing aids are sophisticated electronic devices. To ensure that you obtain the most from them, you need to protect them from the effects that might damage or degrade their performance:

- Keep your ears clean from ear wax.
If necessary, have your ears cleaned regularly by a physician.
- Dry your ears and hair before inserting your hearing aids.

- Insert and remove your hearing aids over a soft surface in case they drop, as they are sensitive to bumps and shocks.
- Do not immerse your hearing aids in water. Do not shower or swim with your hearing aids.
- Store your hearing aids outside the bathroom during bathing and showering.
- Do not wear your hearing aids while applying hair spray, insect repellent, or any other products that could get into the hearing aids. If you have used these products, clean your hands before inserting your hearing aids.
- Never dry your hearing aids with a blow dryer, microwave oven, or oven.
- Store away from direct sunlight or heating vents. Do not leave them in a hot car.

- Wipe the outside surface with a soft cloth or tissue frequently.
- Keep the hearing aids in a safe place, out of the reach of pets and small children.
- Do not attempt to clean your hearing aids with alcohol or other cleaning agents.

Tips General Information

- When replacing tips, avoid getting wax into the hearing aid speaker opening.
- Do not apply any lotions or oils to your ears while using the tips.

For Open Fit and Closed Dome Tip Use

- It is recommended to clean your Open Fit or Closed Dome Tips regularly by using a hearing aid brush daily to remove wax from the tip.

Tip Selection Guide

Your Kit includes both Open Fit and Closed Dome tips in a variety of sizes, so you can select the type and size that best fits your individual needs. Your aid comes with an Open Fit Tip already attached to your link.

Open Fit Tip – Allows outside sound to come through the tip. This tip is best used in Program 1 and 2, which provide a lower amount of amplification

Closed Dome Tip – Does not allow outside sound to come through the tip and better eliminates feedback, which is important when using Program 3 and 4.

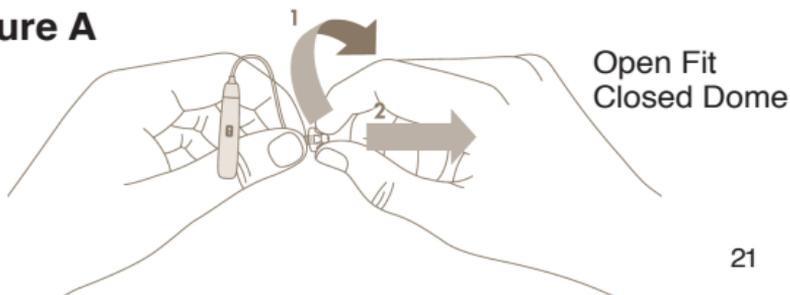
Changing Tips

For a video tutorial on Changing the tips, please go to www.hearinginabox.com and look in the Tutorials tab.

Step One

Your hearing aid comes with the Open Fit Tip already attached. **To remove the tip** currently affixed to your hearing aid, as seen in Figure A, hold the speaker shell securely between your index finger and thumb and grasp the tip, giving it a quarter turn/twist (Arrow 1) while gently pulling away from the speaker shell (Arrow 2). The used tip can now be discarded.

Figure A



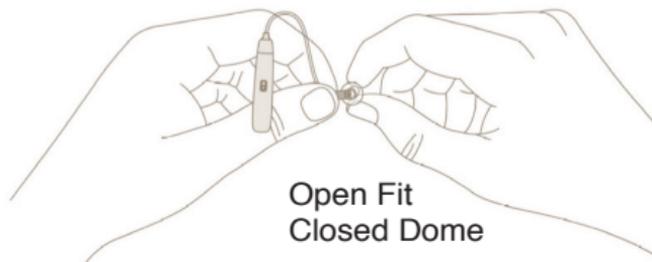
Changing Tips

(Continued)

Step Two

To place a new tip onto your hearing aid, once again hold the speaker shell with your index finger and thumb, while holding the new tip with your other hand (Figure A). Do not try to push the new tip onto the speaker shell. Instead, begin by placing the tip at a slight 45-degree angle on the speaker shell (Figure B).

Figure B



Changing Tips

(Continued)

Step Three

With gentle pressure, rotate the tip onto the speaker shell (Figure C) until the tip ring is securely attached to the speaker shell with no visible gaps.

Figure C



Important tips:

- *Never use a tip that has been worn by someone else or if it becomes dirty, torn, or discolored.*
- *The Open Fit and Closed Dome Tips are designed to minimize occlusion. We recommend disposing/changing your Open Fit and Closed Dome Tips every 6 months or as needed, or when they become discolored.*
- *Replacement tips can be purchased from HearinginaBox.com.*

Warnings:

- *Only use “Hearing In A Box” tips. Tips from other manufacturers will not yield the best performance or proper fit.*
- *Never insert a “Hearing In A Box” aid into your ear without a tip attached to the hearing aid speaker shell.*

Managing feedback (squealing)

Because of the proximity of the microphones and the receiver, it is possible that you will encounter feedback, particularly when using an Open Fit tip. Feedback can be reduced or eliminated by

- **Changing to the Closed Dome Tip that better seals out noise from outside sources**

Troubleshooting

When troubleshooting, first manually open and then close the battery door, to reset the device. See chart below if symptoms persist after manual reset.

Symptom

No Sound

Possible Problem

- Battery is low/dead
- Speaker opening is blocked
- Tip opening is blocked

Possible Solution

- Replace battery
- Clear speaker opening of ear wax using cleaning tool
- Replace tip

Symptom

Not Loud Enough

Possible Problem

- Battery is low/dead
- Speaker opening may be blocked
- Hearing may have changed

Possible Solution

- Replace battery
- Clear speaker opening of ear wax using cleaning tool
- Reprogram to the next Program level

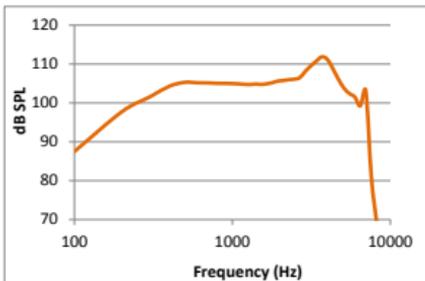
Technical Specifications

Output Sound Pressure Level

Full on gain with 90 dB SPL Input

Maximum: 112 dB SPL

HFA: 105 dB SPL



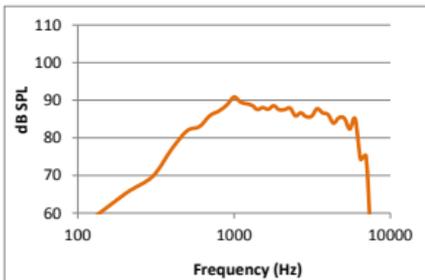
Full on gain with 50 dB SPL Input

HFA-FOG: 85 dB SPL

Frequency Response

Reference Test Setting with 60 dB SPL Input

RTG: 29 dB



Frequency Range

200- 7500 Hz

Total Harmonic Distortion

500Hz: 0.51%

800 Hz: 1.12%

1600 Hz: 0.85%

Equivalent Input Noise Level

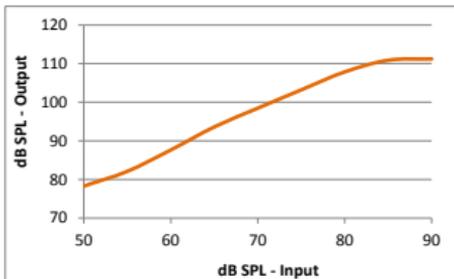
21 dB SPL

Battery Current Drain

Operation: 0.80 mA

Input-Output Characteristics

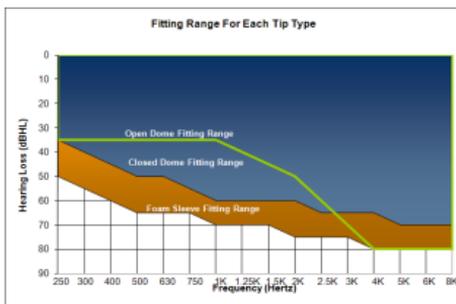
Reference Test Gain with AGC at 4 kHz



Dynamic Compressor Characteristics

Attack: 6 ms

Release: 56 ms



Manufacturer's Warranties & Services

Warranties & Terms

Hearing In A Box, the manufacturer of the hearing aid(s) sold under this agreement, offers the original purchaser a non-transferable, one year manufacturer's warranty covering the hearing aid(s) (not including the links, which are covered by a separate manufacturer's warranty as described below). This warranty covers damage or defects of a Covered Product caused by failure of materials or workmanship. The warranty does not cover damage or defects of a Covered Product caused by improper handling or care, attempted or actual self-service or unauthorized service of the hearing aid, unusual wear and tear and exposure to chemicals, immersion in water, excessive exposure to moisture, or other external causes.

The link is the module that connects the hearing aid, via an ultra fine wire, to the precision high-fidelity miniature speaker within the ear canal. Hearing In A Box, the manufacturer of the link sold under this agreement, offers the original purchaser a non-transferable, one year manufacturer's warranty covering the link ("Covered Link") effective from the date of purchase. This warranty covers damage or defects of a Covered Link caused by failure of materials or workmanship. The warranty does not cover damage or defects of a Covered Link caused by improper handling or care, attempted or actual self-service or unauthorized service work, unusual wear and tear, exposure to chemicals, immersion in water, excessive exposure to moisture, or other external causes. This warranty also does not cover loss¹.

Service Information

A claim for warranty service must be made by contacting Hearing In A Box. Proof of purchase must be provided at the time of your claim for warranty service. Unauthorized service on a Covered Product will void the warranty, and Hearing In A Box makes no representation that a Covered Product may be repaired following unauthorized service. Hearing In A Box may, at its sole discretion, repair or replace your Covered Product with a new, used or rebuilt product of the same or better model. For Service and Repairs: Please contact us via www.hearinginabox.com or call us at (888) 221-5007 to arrange for service and repair. Our repair facility is located at: 105 Wildwood Dr., #204, Georgetown, TX 78633

Manufacturer's Warranties & Services

EXCEPT AS STATED HEREIN, HEARING IN A BOX DOES NOT PROVIDE WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ANY AND ALL SUCH WARRANTIES ARE EXPRESSLY DISCLAIMED AND EXCLUDED. THE REMEDIES AVAILABLE UNDER THIS WARRANTY ARE LIMITED TO REPAIR OR REPLACEMENT OF A COVERED PRODUCT. TO THE MAXIMUM EXTENT PERMITTED BY LAW, HEARING IN A BOX DISCLAIMS ANY AND ALL INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES OF ANY KIND, EVEN IF HEARING IN A BOX WAS AWARE OF THE RISK OF SUCH DAMAGES AND NOTWITHSTANDING THE FAILURE OF THE ESSENTIAL PURPOSE OF SUCH REMEDY.

NOTICE: A HEARING AID WILL NOT RESTORE NORMAL HEARING, NOR WILL IT PREVENT FURTHER HEARING LOSS.

Visit: www.HearingInABox.com

Warnings

Warning to Hearing Aid Dispensers

A hearing aid dispenser should advise a prospective hearing aid user to consult promptly with a licensed physician (preferably an ear specialist) before dispensing a hearing aid if the hearing aid dispenser determines through inquiry, actual observation, or review of any other available information concerning the prospective user, that the prospective user has any of the following conditions:

- (i) Visible congenital or traumatic deformity of the ear.
- (ii) History of active drainage from the ear within the previous 90 days.
- (iii) History of sudden or rapidly progressive hearing loss within the previous 90 days.
- (iv) Acute or chronic dizziness.
- (v) Unilateral hearing loss of sudden or recent onset within the previous 90 days.
- (vi) Audiometric air-bone gap equal to or greater than 15 decibels at 500 hertz (Hz), 1,000 Hz, and 2,000 Hz.
- (vii) Visible evidence of significant cerumen accumulation or a foreign body in the ear canal.
- (viii) Pain or discomfort in the ear.

Special care should be exercised in selecting and fitting a hearing aid whose maximum sound pressure level exceeds 132 decibels because there may be risk of impairing the remaining hearing of the hearing aid user. (This provision is required only for those hearing aids with a maximum sound pressure capability greater than 132 decibels (dB).)

Warnings

Important Notice For Prospective Hearing Aid Users

Good health practice requires that a person with a hearing loss have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear) before purchasing a hearing aid. Licensed physicians who specialize in diseases of the ear are often referred to as otolaryngologists, otologists or otorhinolaryngologists. The purpose of a medical evaluation is to ensure that all medically treatable conditions that may affect hearing are identified and treated before the hearing aid is purchased.

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 may refer you to an audiologist or a 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.

Warnings

Federal law restricts the sale of hearing aids to those individuals who have not 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.

Children With Hearing Loss

In addition to seeing a physician for a medical evaluation, a child with a hearing loss should be directed to an audiologist for evaluation and rehabilitation, since hearing loss may cause problems in language development and the educational and social growth of a child.

An audiologist is qualified by training and experience to assist in the evaluation and rehabilitation of a child with a hearing loss.

Warnings

Other Warnings

- Do not use your hearing aid in potentially explosive environments.
- The internal parts of the hearing aid are only serviceable by Hearing In A Box service personnel.
- If you experience dizziness, drainage or bleeding from the ear, or sudden hearing loss, see your physician immediately.
- A hearing aid may cause an accelerated accumulation of ear wax.
- Never put a hearing aid battery or hearing aid in your mouth as they could be swallowed. If swallowed, seek medical attention immediately and call the National Battery Hotline at (202) 625-3333.
- Keep hearing aid batteries and hearing aids out of the reach of children, pets, and individuals with diminished mental capacity.
- Hearing aids should be used only as directed and adjusted by your trained Hearing In A Box Hearing Consultant.
- A hearing aid may stop functioning, e.g., if the battery goes dead. You should be aware of this possibility; in particular, if you are in traffic or otherwise depend on warning sounds.
- Do not switch hearing aids between ears or allow others to wear or use your hearing aids.

Warnings

- HEARING AIDS WILL NOT RESTORE NORMAL HEARING AND WILL NOT PREVENT OR IMPROVE A HEARING IMPAIRMENT RESULTING FROM ORGANIC CONDITIONS.
- IN MOST CASES, INFREQUENT USE OF A HEARING AID DOES NOT PERMIT THE USER TO ATTAIN FULL BENEFIT FROM IT.
- THE USE OF A HEARING AID IS ONLY PART OF HEARING HABILITATION AND MAY NEED TO BE SUPPLEMENTED BY AUDITORY TRAINING AND INSTRUCTION IN LIP READING.
- **TAMPERING WITH ANY HEARING IN A BOX PRODUCTS MAY RESULT IN THE WARRANTY BECOMING NULL AND VOID.**

Other Information

Hearing In A Box
105 Wildwood Dr., #204
Georgetown, TX 78633
(888) 277-5806
HearingInABox.com

Customer Help Hotline

If at any time you need assistance with Hearing In A Box products, please contact us at (888) 347-7746.
Hotline is open Monday - Friday, 8:00 am to 6:00 pm (CST).

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Notes



www.HearingInABox.com