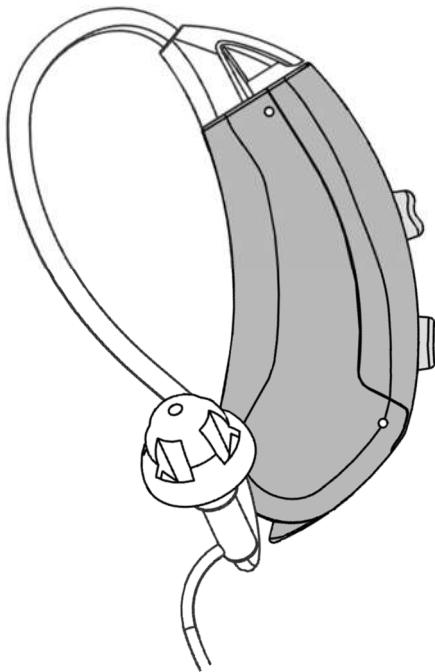




## User Manual



## Introduction to this booklet

The User Manual guides you in how to use and maintain your new hearing device. Please read the User Manual carefully. This will help you achieve the full benefit of your new hearing device.

Your hearing healthcare provider has adjusted your hearing device to meet your specific needs. If you have additional questions or wish to report an unexpected operation or event, please contact your hearing healthcare provider.



### Please Note:

- The use of hearing devices is only part of hearing rehabilitation; auditory training, lip reading instruction, and learning to interpret gesture cues may be required as well.
- In most cases, infrequent use of hearing devices does not provide full benefit. Once you have become used to wearing your hearing devices, wear your hearing devices all day every day.
- Your hearing devices use the most modern components to provide the best possible sound quality in every listening situation. However, communication devices such as digital cell phones can create interference (a buzzing sound) in hearing devices. If you experience interference from a cell phone being used close by, you can minimize this interference in a number of ways. Switch your hearing devices to another program, turn you heard in a different direction or locate the cell phone and move away from it.

## Intended Use

Hearing devices are sound-amplifying devices intended to compensate for impaired hearing. A hearing device will not restore normal hearing, and will not prevent or improve biologic hearing sensitivity resulting from damage.

## Hearing Device Purchase & Warranty Information

Left Hearing Device	Right Hearing Device
Date Purchased:	
Place UDI label or record serial number here:	Place UDI label or record serial number here:

NOTE: the FDA's Universal Device Identification (UDI) system is intended to provide rapid and accurate identification of medical devices, including hearing aids, using the unique UDI number, and to provide easy access to important information about the device through the Access GUDID portal located at <https://accessgudid.nlm.nih.gov/>. Please retain a copy of your UDI label(s) here.

For more information on warranty for your hearing device(s), please refer to the "Service and Warranty" section.

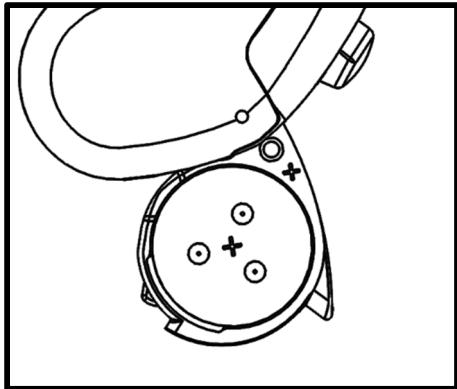
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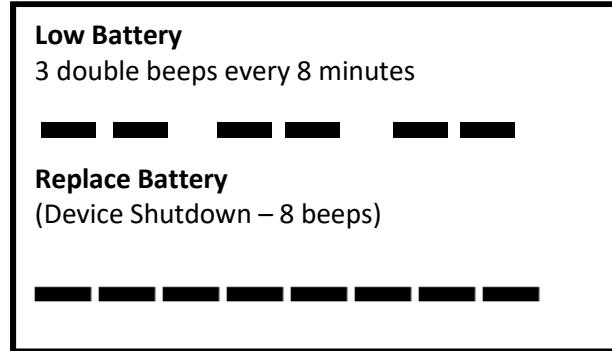
## Quick Reference

Battery Size: 312

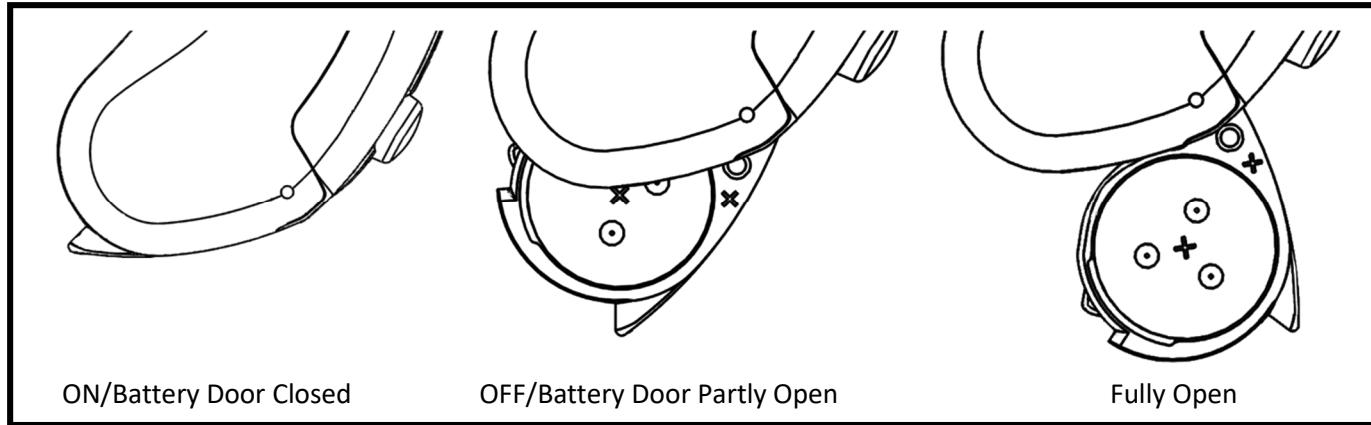
Changing Battery:



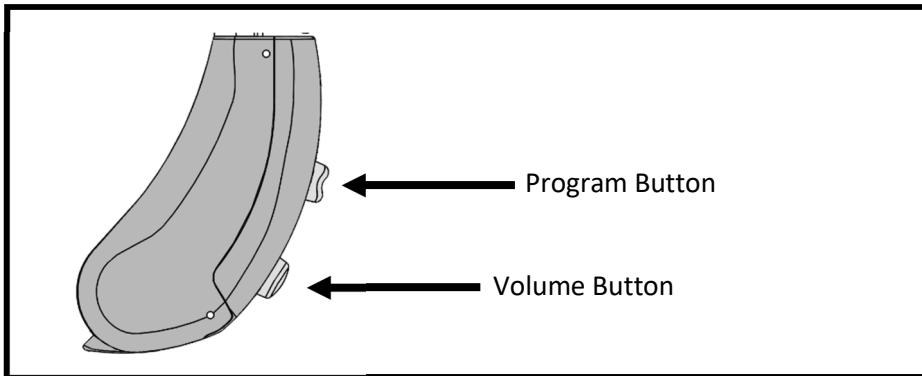
Battery Warnings:



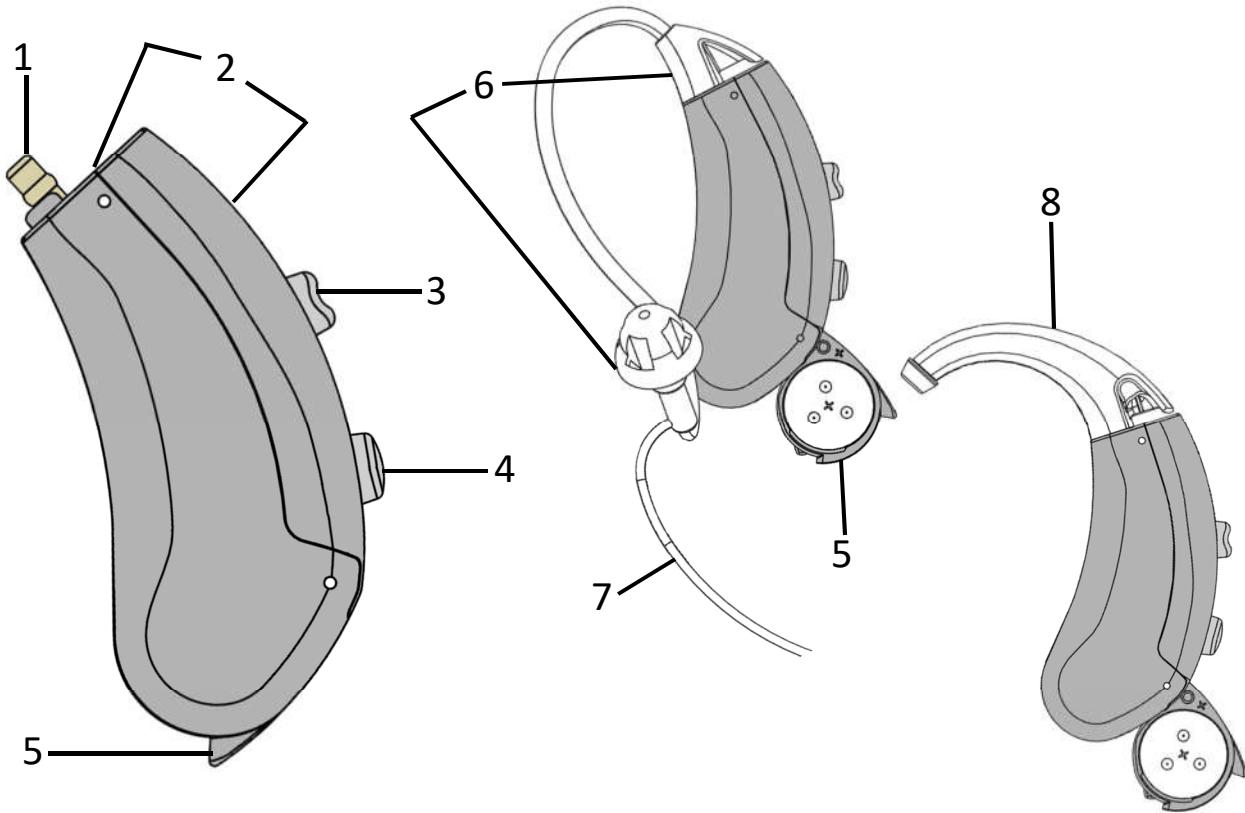
On/Off



Device Controls Operations



## Your Hearing Device at a Glance



1. **Receiver** – The receiver delivers amplified sound through the tubing to the ear canal.
2. **Microphone** – Sound enters the hearing device through the microphone.
3. **Program control** – Press to change programs.
4. **Volume control** – Press the button to increase volume. Once the volume reaches maximum volume, the volume will reset to the lowest volume setting.
5. **Battery door** – The battery is inserted here and functions as the on/off switch when operating the device. A (+) indicator corresponds to the positive side of the battery. A small hole may be filled with a colored plug to be used as an optional indicator for the right or left ear.
6. **Thin tube and Dome tip** – Each hearing device comes with a thin tube and dome tip that connects to the hearing device receiver. Sound travels through the tubing into your ear canal.
7. **Retention loop** – Keeps the tubing securely in place on or over the ear.
8. **Earhook** – The hearing device is also available with an earhook that connects to the hearing device receiver.

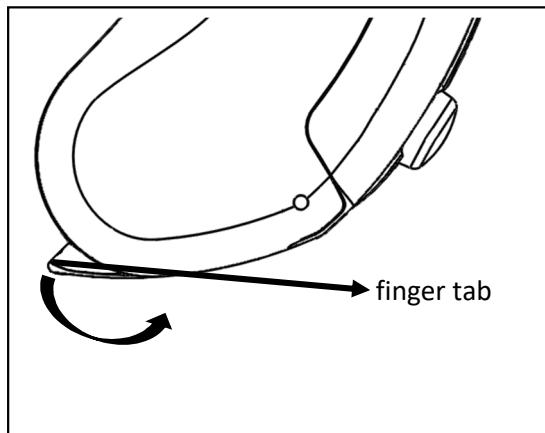


For additional information on the use and operation of these hearing devices after reviewing the contents of this instruction guide, contact your hearing healthcare provider, or visit [www.intricon.com](http://www.intricon.com).

## Turning Your Hearing Device On and Off

Your hearing device has a battery door that acts as an on/off switch. When turning your hearing device on and off, grasp the top and bottom of the device with your index finger and thumb and use your other hand to open the battery door by pulling out on the finger tab. Close the battery door by gently pushing the door into the device.

### ON: Close battery door fully

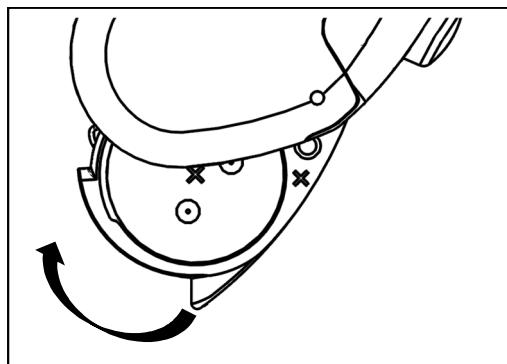


It may take several seconds before the hearing device turns on after inserting the battery and closing the battery door.

Each time the hearing device is turned on, the device will attempt to pair with any accessories that are in pairing mode (refer to page 22 for Pairing Mode).

NOTE: Your hearing healthcare provider can change the startup delay if required.

### OFF: Open the battery door



To turn off the hearing device, the battery door should be at least half way open before it is turned off.

## Battery

The hearing device uses a size 312 battery. The battery life varies, depending on the amount of time the hearing device is used. Battery life is typically 5-8 days long in hearing device mode.

### Inserting/replacing the battery:

1. Gently pull open the battery door with your fingernail. Remove the old battery, if present.
2. Insert the new battery into the battery compartment with the (+) sign on the battery facing the same way as the (+) sign on the battery door. While holding the battery in place, peel off the tab. (As shown in the figure below.)



To ensure best battery performance, wait 15-30 seconds before closing the battery door after peeling the plastic tab. If the door does not close easily, check to see if the battery was inserted properly.

3. Close the battery door.

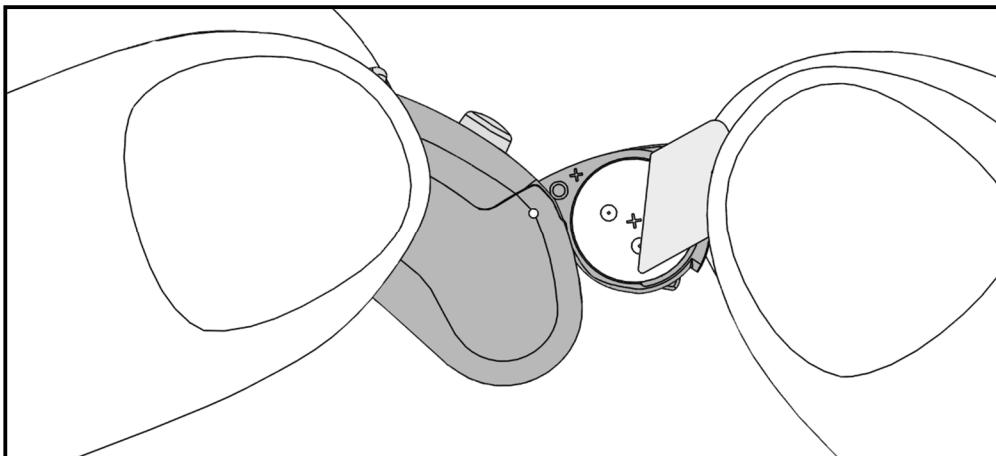


Figure shows Step 3 in the directions above.



**Tip:** To prolong battery life, remember to turn your hearing device off when not in use. Remove the batteries and keep the battery door open will not only conserve the battery's life but also allow internal moisture to evaporate.

**Tip:** Since the battery sits in the battery door, the door should be opened gently and slowly so that the battery does not fall out.

## Low battery indicator

The chart below shows the low battery indicator available in your hearing device.

	Voice Prompt ON	Voice Prompt OFF
When the battery is low, a warning will be repeated on your hearing device every eight minutes to indicate that the battery needs to be replaced.	<b>"Low battery"</b>	<b>3 double beeps</b>
If you do not change the battery, you will hear another warning at which your hearing device will automatically turn off.	<b>"Replace battery"</b>	<b>6 double beeps</b>



Tip: It is recommended for you to carry spare batteries on hand to make sure that the hearing device(s) are functional at all times and in all locations.

Tip: Open battery door when your hearing device is not in use in order to save battery life.



Warning: Do not place batteries in your mouth or swallow them under any circumstances. If batteries are swallowed, contact local poison control center immediately.



Dispose used batteries as you would other electronic waste that potentially contains rare earth metals.

## Wearing Hearing Device

1. Place the hearing device behind your ear.
2. Hold the thin tube wire or earmold\* between your thumb and index finger with the thin tube ear tip pointing towards the ear canal.
3. While holding the hearing device in place, insert the ear tip into your ear canal. Curl and tuck the retention loop along the body of your ear.



\* For hearing devices with earmolds, please consult with your hearing health provider about putting it on.



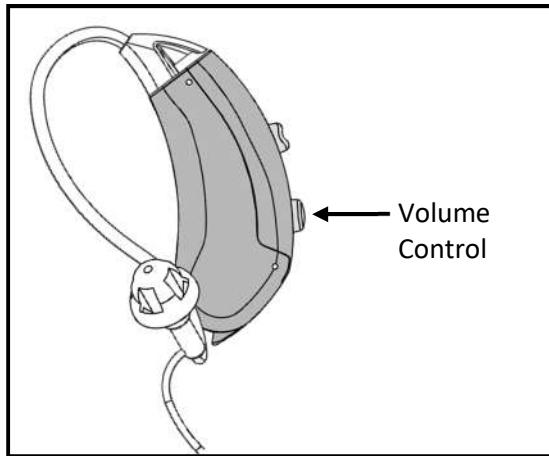
Tip: The ear tip should be completely, or almost completely, in the ear canal. The ear tip cannot touch the eardrum. Proper insertion of the ear tip is key to getting enough loudness and avoid whistling.

Tip: Pulling up and back on your earlobe may help you insert the thin tube or ear mold into your ear canal more easily.

Tip: If you wear eyeglasses, put your glasses on first and then put your hearing device on.

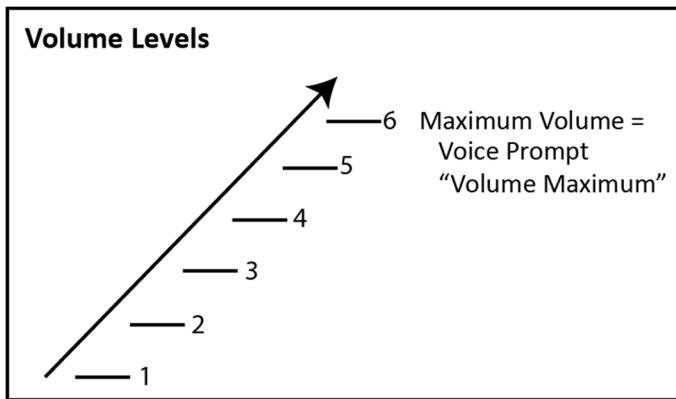
## Operating Instructions – Volume Control

The volume control button allows you to increase volume levels. Once the volume reaches maximum volume, if the button is pressed again, the volume cycle will restart at the minimum volume setting.



**If the voice prompts are turned on**, you will hear voice prompts when you reach the maximum or minimum volume setting.

**If the voice prompts are turned off**, you will hear a single beep signal during each incremental change.



Voice Indicator (Default)	Beeps
Beep, "Volume Maximum"	3 Beep 
Beep, "Volume 5"	1 Beep 
Beep, "Volume 4"	1 Beep 
Beep, "Volume 3"	1 Beep 
Beep, "Volume 2"	1 Beep 
Beep, "Volume 1"	1 Beeps 

## Operating Instructions – Program Controls

The program control allows you to choose between several program settings. Your instrument may have up to four programs. By pressing the program control button, you advance the program setting as indicated by beeps or voice prompts. The dome tip or ear mold must be in your ear to hear the beep(s). Use the program that sounds best the majority of the time.

**If the voice prompts are turned on**, you will hear voice prompts letting you know which program number you are advancing into. If you are on Program 2, you will hear “Program 2.”

**If the voice prompts are turned off**, you will hear the number of beeps to let you know which program has been selected. If you are on Program 2, you will hear two beeps.

Within each program, you can also use the volume control to make sounds louder or softer.



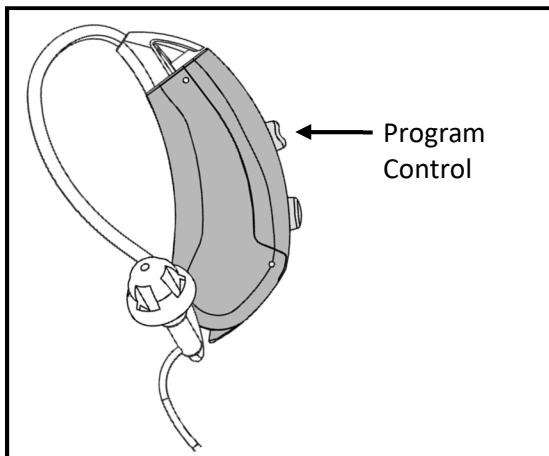
Tip: For specific features and program settings tailored to your individual use patterns and settings of interest, speak to your hearing healthcare provider. They are trained to work with you to meet your communication needs.

Tip: If your device has wireless functionality enabled (by default, Programs 1 and 2), enabling wireless streaming accessories will allow inputs to be heard.

Voice Indicator	Beeps	
“Program 1”	1 Beep	♪
“Program 2”	2 Beeps	♪ ♪
“Program 3”	3 Beeps	♪ ♪ ♪
“Program 4”	4 Beeps	♪ ♪ ♪ ♪

Note: When entering a program with streaming enabled and a paired Companion Microphone turned on, you will hear a “Connected” prompt after the program prompt.  
(Example: “Program 4” “Connected”)

If the Companion Microphone is shut off while connected to your hearing device, you will hear a “Disconnected” prompt in your hearing device.



## Maintaining Your Hearing Device

Ear wax is natural and common. For some users, wearing a hearing device will increase the production of ear wax. Ensuring that your hearing device is free of wax obstruction is an important part of the cleaning and maintenance of your hearing device.

Depending on your requirements, your hearing device will have a thin tube and dome tip or a conventional earmold attached to it. Review the warnings below and follow the instructions on next pages.



CAUTION: Not following the list below may cause damage to your hearing device and accessories

- Do not immerse your hearing device in water or liquid to clean. Instead, use a soft cloth or tissue to remove moisture or oil residue.
- Do not bend the thin tube and tip back and forth to remove it.
- Do not use cleaning wire while the thin tube is connected to the hearing device.
- Do not use alcohol to clean your earmold or dome tip.
- Do not use sharp tools to dislodge ear wax.
- If your physician prescribes ear drops, clean any moisture that may get into the earmold or tubing.

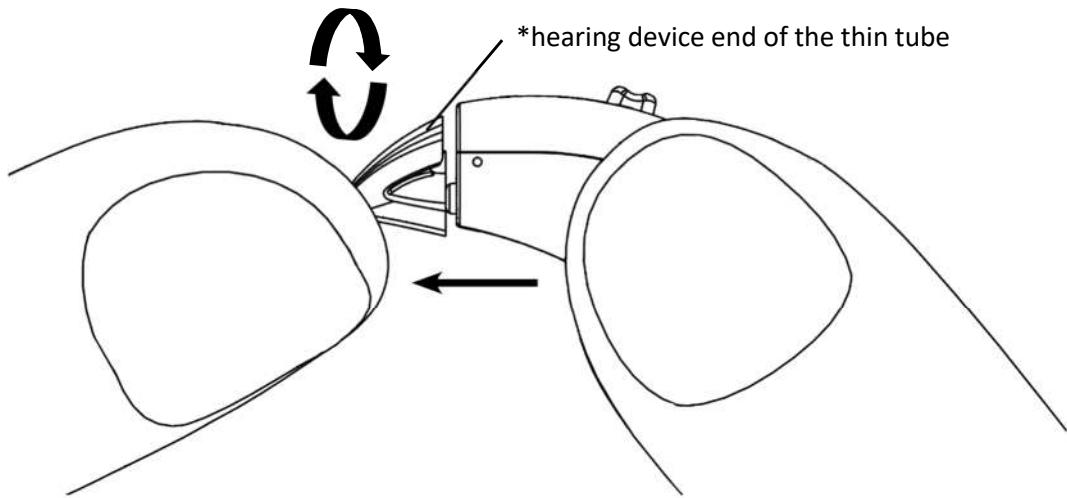
## Maintaining Your Hearing Device with a Thin Tube

### Replacing thin tube and dome tip:

For optimal performance, replace thin tube and dome tip every three months.

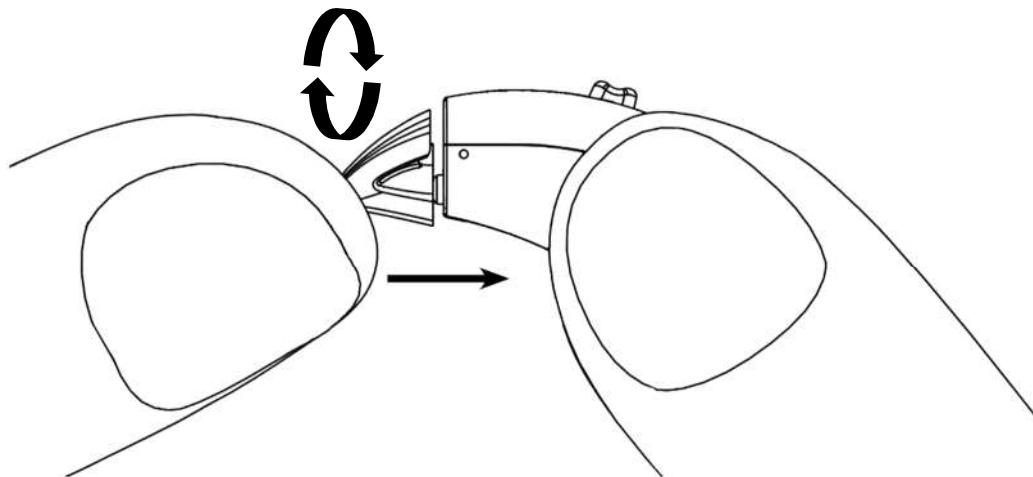
### Removing thin tube and dome tip:

Grasp the hearing device end of the thin tube\*. Gently turn the hearing device end of the thin tube approximately 90 degrees and pull to remove the ear tube from the hearing device.



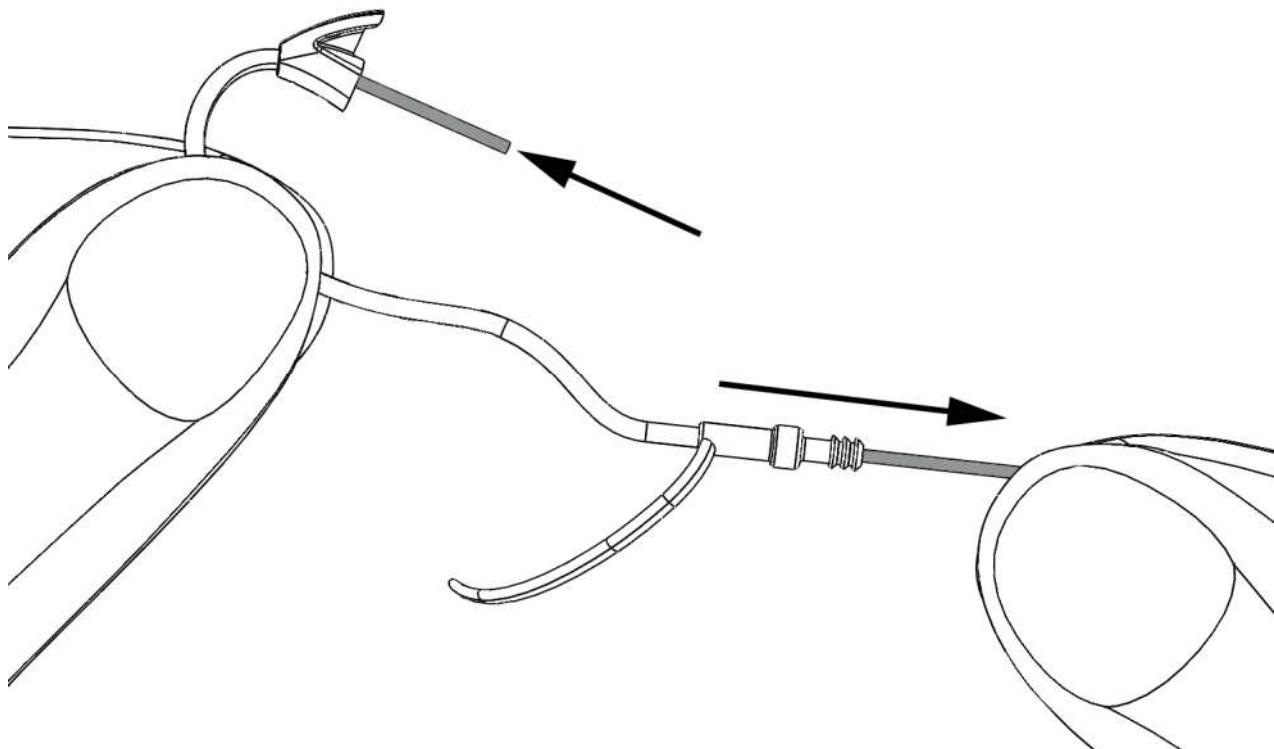
### Attaching thin tube and dome tip:

Gently push the hearing device end of the thin tube onto the hearing device until it snaps into position and rotate slightly to lock in place.



**Cleaning thin tube and dome tip:**

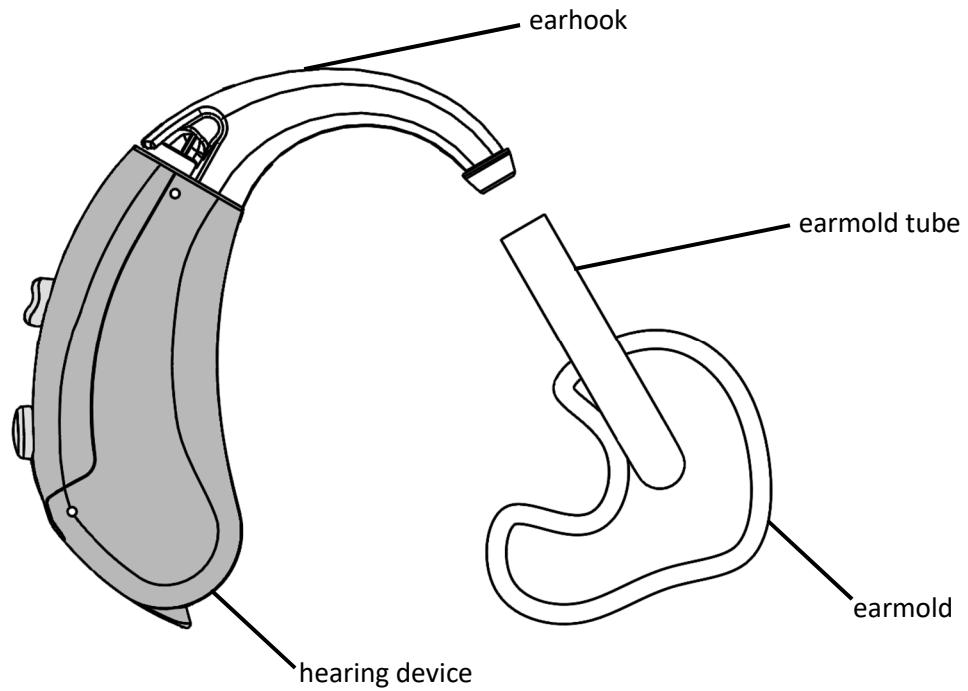
Between replacements, you'll need to clean the thin tube and dome tip with a cleaning wire to remove any debris or accumulated ear wax. Remove the thin tube from the hearing device. Insert cleaning wire into thin tube as indicated below.



## Maintaining Your Hearing Device with an Earmold

*Ask your hearing healthcare provider to see if this applies to you.*

1. Remove the earmold tube from the earhook
2. Wash the tube with warm soapy water and blow air through the tube to remove any water left inside the tube
3. Leave the earmold and tube out overnight to allow any water left inside to dry
4. After the earmold and tube is dry, reconnect the ear mold tube to the ear hook



## Using with Telephones and Cellular Phones

### **Traditional corded phones, cordless phones, and cellular phones.**

First, try to use the phone as you normally would hold it. If you cannot hear well, move the handset to find the position that sounds best to you. Some users find performance can be improved by tilting the handset towards the hearing device. It may help to turn the volume up on your phone.

Practice using the telephone with someone familiar to you. Try moving the phone around to get the best sound.

### **Telecoils**

Your device contains a telecoil which needs to be activated by your hearing healthcare provider. The telecoil converts electromagnetic signals directly from the telephone into sound. To use the telecoil, select the appropriate program setting, using the push button. The telecoil setting may allow you to hear more clearly on the telephone. After finishing your phone call, change back to your preferred listening program.

If your phone is labeled “Hearing Device Compatible,” it works with a telecoil.

### **Other uses of a telecoil**

Many people use the telecoil with assistive listening devices called induction loops. If you go to a public event, and the room is “looped,” then you can use your telecoil. Set your hearing device to the telecoil program. Sound is transmitted to your hearing device, allowing you to hear the speaker more clearly. After the event, change back to your preferred listening program.



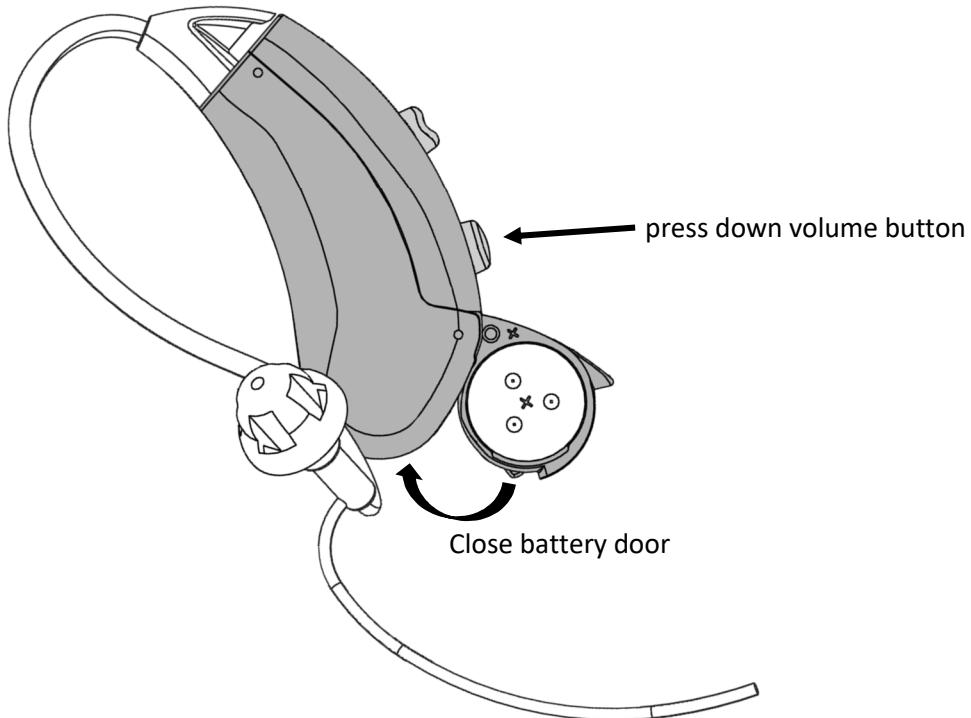
Note: If you are in a location with an induction loop system, you will notice this symbol. This means the location you are presently in has special accommodations for the hearing impaired.

## Airplane Mode

When boarding an airplane or entering an area where radiated radio signals are prohibited, wireless functionality must be deactivated; airplane mode must be turned on.

The airplane mode is enabled by closing the battery door while pressing the volume button for six seconds.

To disable airplane mode, open and close the battery door.



## Labeling

The serial number (S/N) is located on the hearing device as an 8-digit number. The first two digits of the S/N represent the year of manufacture (i.e. "15" refers to 2015). The last six digits is a unique identifier. All eight numbers create the serial number of the device.



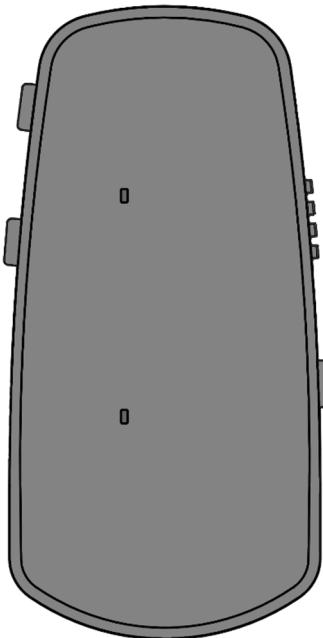
## Optional accessories

The accessories described on the following pages are optional. Please contact your hearing healthcare provider to learn more about these accessories.

## Optional Accessories: Companion Microphone CM-1

Your Lumen 155 is compatible with IntriCon's Companion Microphone device.

The Companion Microphone is used to help you listen to speech or other audio signals. You must pair the Companion Microphone to your hearing device(s).

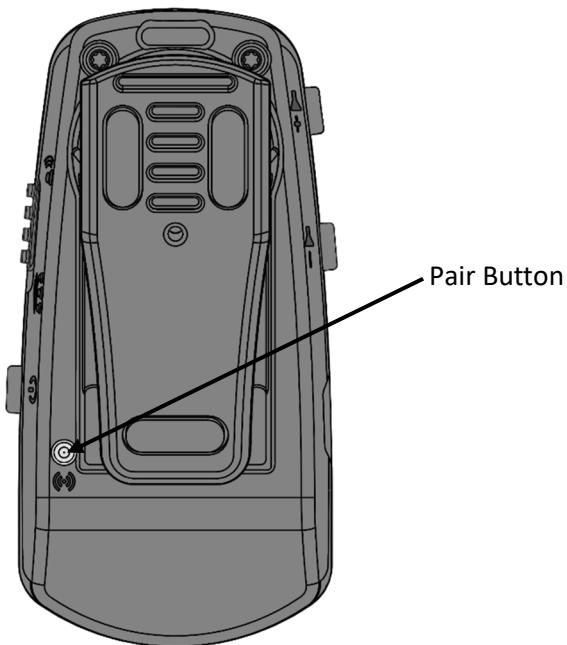


To pair the Companion Microphone with your hearing device(s):

1. Open the battery door to turn off the hearing device.
2. Turn on the Companion Microphone and press the Pair button on the back of the Companion Microphone. The LED will blink blue while in pairing mode.
3. Within 30 seconds, close the battery door(s) to turn on the hearing device(s) that you are pairing. Once your hearing device(s) are paired successfully, you will hear a "Paired" prompt through your hearing device(s).

NOTE: If you do not have a Companion Microphone, please consult with your hearing healthcare provider.

Refer to the Companion Microphone CM-1 User Manual for more details.



## Optional Accessories: Mobile App

Your Lumen 155 is compatible with IntriCon's mobile app.

The mobile app is used to help you control volume level and program number without using the buttons on your hearing device.

For best pairing results:

1. Download the mobile app on your smartphone and turn on your Bluetooth.
2. Turn your hearing devices on and follow directions on your phone.

## Caring for your Hearing Device



Please use the following instructions to care of your hearing device and to prolong the life of your hearing device:

- Do not drop your hearing device or knock it against hard surfaces.
- Protect your hearing device from excessive heat.
- Regular use of a dehumidifier can help prevent corrosion and prolong the life of your hearing device.
- Always remove your hearing device when applying hair care products. The hearing device can become clogged and cease to function properly.
- Do not immerse hearing device in water.
- Do not wear your hearing device while bathing, showering, swimming, or in a moist atmosphere, like steam baths or sauna.
- If your hearing device gets wet, do not attempt to dry it in an oven or microwave. Do not adjust any controls. Open the battery door immediately, and allow your hearing device to dry naturally for 24 hours. Do not use the hearing device until the device is completely dry.

## Trouble Shooting

SYMPTOMS	CAUSE	POSSIBLE REMEDY
<b>No sound or not loud enough</b>	Hearing device is off	Turn on by closing the battery door
	Low/dead battery	Replace battery
	Ear wax/Clogged tube	Clean/replace thin tube, dome tip, or earmold
	Battery upside down	Insert battery plus side (+) up
	Moisture	Open battery door and allow to dry
<b>Three double beeps</b>	Low battery	Replace battery
<b>Whistling or squealing noise</b>	Dome tips not inserted properly	Remove and reinsert
	Poor-fitting ear mold	Contact your hearing healthcare provider
	Hair or clothing near ear	Remove hair or clothing near ear
	Cracks in ear tube	Replace ear tube and tip
<b>Ear tip falling out of ears</b>	Poor fit	Contact your hearing healthcare provider
<b>Wireless does not work</b>	On airplane mode	Open then close the battery door
	Bluetooth is turned off	Turn on Bluetooth
	Did not pair	Re-pair your hearing devices

## Precautions

*These PRECAUTIONS point out situations which could cause minor or moderate injuries to the user or to the device.*



- You should familiarize yourself fully with the entire contents of this user manual before using Lumen 155 to ensure personal safety and correct use. Contact customer support if you experience unexpected operations or performance.
- Do not attempt to modify the shape of the hearing instrument, earmolds, or tubing yourself.
- Use hearing device accessories, i.e. thin tubes and hear hooks, provided by your hearing health provider for best results.

## Warnings

*These WARNINGS point out situations which could cause serious injuries to the user or to the device.*



- In some acoustic environments, over amplification can cause discomfort and damage to the patient's hearing.
- Hearing devices should only be used as directed by your physician or hearing healthcare provider.
- Do not use your hearing device in explosive or oxygen-enriched areas.
- Allergic reactions to hearing devices are unlikely. However, if you experience itching, redness, soreness, inflammation, or a burning sensation in or around your ears, inform your hearing healthcare provider and contact your physician. You may notice accelerated accumulation of earwax when using your hearing device(s). This is normal, but see your hearing healthcare provider if you continue to have difficulty.
- In the unlikely case that any parts remain in the ear canal after the removal of the hearing device, contact a physician immediately. Report the event to your hearing healthcare provider as soon as possible.
- Remove your hearing device(s) for CT and MRI scans or for other electromagnetic procedures.
- Never leave your hearing device(s) or batteries where small children and pets can reach them. If batteries are swallowed or inhaled, contact local poison control center immediately.
- If you feel pain in or behind your ear, if it is inflamed, if skin irritation or accumulations of ear wax occur, please check with your hearing healthcare provider or physician.
- Hearing programs in the directional microphone mode reduce background noises. Please be aware that warning signals or noises coming from behind, e.g. cars, are partially or entirely suppressed.
- Your hearing device(s) have been adjusted for your hearing needs; please do not share your hearing device with other people.

## Use on Wireless Restricted Areas

- Your hearing device uses Bluetooth. Airplane mode must be activated, unless the use of Bluetooth has been permitted.

## Service and Warranty

Please see your hearing healthcare provider if you believe your hearing instrument needs service.

IntriCon offers you a comprehensive, worldwide warranty, valid starting from the date of purchase. Please ask your hearing healthcare provider about the term of the warranty valid in the country of purchase. The warranty covers repairs in case of processing and material errors.

**NOTE:** In accordance with 21 CFR 801.420(c)(1)(v) at least one specific address where to go to obtain service must be provided.

**Note:** No warranty claims will be considered if the hearing device shows normal wear and tear, improper handling or care, exposure to chemicals, immersion in water or undue stress. In case of damage caused by third parties or non-authorized service, the IntriCon warranty is invalid. This warranty does not cover services performed by a hearing healthcare provider at his or her workplace.

## Compliance Information

### **Warning to Hearing Device Dispensers**

A hearing device dispenser should advise a prospective hearing device user to consult promptly with a licensed physician (preferably an ear specialist) before dispensing a hearing device if the hearing device 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 device whose maximum sound pressure level exceeds 132 decibels\* because there may be risk of impairing the remaining hearing of the hearing device user.

*\*The Lumen 155 does not exceed 132 decibels*

### **Important notice for prospective hearing device 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 device. Licensed physicians who specialize in diseases of the ear are often referred to as otolaryngologists, otologists or otorhinolaryngologists.

The purpose of medical evaluation is to assure that all medically treatable conditions that may affect hearing are identified and treated before the hearing device 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 device. The physician will refer you to an audiologist or a hearing device dispenser, as appropriate, for a hearing device evaluation. The audiologist or hearing device dispenser will conduct a hearing device evaluation to assess your ability to hear with and without a hearing device. The hearing device evaluation will enable the audiologist or dispenser to select and fit a hearing device 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 device dispensers now offer programs that permit you to wear a hearing device for a period of time for a nominal fee after which you may decide if you want to purchase the hearing device. Federal law restricts the sale of hearing devices 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.

### **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.

## FCC Information:

### **FCC ID: POMIINHBC1B0**

Per FCC 15.19(a)(3) and (a)(4), this device complies with part 15 of the FCC Rules. Operation is subject to the following conditions:

This device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

### **Radio Equipment Directive Information:**

The equipment operates in the ISM 2.4 GHz band (2.40 - 2.4835 GHz), using the Bluetooth™ SMART protocol and IntriCon's proprietary audio streaming protocol, and the maximum RF Power transmitted in that band is -6.0 dBm EIRP.

### **Statement concerning the use of hearing instruments and life-sustaining implants**

- IntriCon strongly advises users of hearing instruments to always follow the guidance set out in this hearing instrument user manual. When life-sustaining implants ("implants") (like pacemakers) are used along with hearing instruments, IntriCon strongly advises users to always follow the guidelines of the implant manufacturer as well.
- If you suspect any interference to your implant, please immediately stop using all other electronic devices, including your hearing instruments, and contact the manufacturer of the implant as well as IntriCon to advise about the suspected interference.
- To ensure our hearing instruments can operate safely and effectively in close proximity to other electronic devices, IntriCon hearing instruments have been proven to meet the requirements of the international standard for electromagnetic compatibility (EMC), IEC 60118-13, and ANSI C63.19.
- Life-sustaining implants are required to comply with the standards described in ANSI/AAMI/ISO 14117 on securing electromagnetic compatibility with other electronic devices including hearing instruments. As a consequence, implants complying with the ANSI/AAMI/ISO 14117 standards should continue to operate within the requirements of basic safety and essential performance when used with hearing instruments from IntriCon.

## Information and Description of Symbols



With the CE symbol, IntriCon confirms that this product – including accessories – meets the requirements of the Medical Device Directive 93/42/EEC as well as Radio Equipment Directive 2014/53/EU. A copy of the Declaration of Conformity can be obtained from IntriCon.



The symbol with the crossed-out garbage bin is to make you aware that this hearing device and batteries may not be thrown away as normal household waste. Please dispose of old or unused hearing devices, at waste disposal sites intended for electronic waste, or give your hearing device to your hearing healthcare provider for disposal. Proper disposal protects the environment and health.



This symbol indicates important information on handling and product safety.



This is the symbol for caution and warning. This is a safety symbol used to highlight that there are specific warnings or precautions associated with the devices that are not otherwise found on the label.



This is the symbol to keep the device dry.



Telecoil compatible assisted listening Device



This symbol indicates the manufacturer's serial number. The serial number is located on part as an 8-digit number.



Indicates the manufacturer's catalogue number so that the medical device can be identified.



Indicates the medical device manufacturer, as defined in EU Directive 93/42/EEC.



Indicates the year of manufacture. The first 2 digits of the serial number (assume 2 digits are preceded by "20"; e.g. "14" = year 2014)



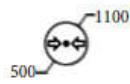
Consult instructions for use



Symbol for fragile, handle with care.



During transport or storage, the temperature should not exceed the limit values of 14° to 158° Fahrenheit (-10° to 70° Celsius) for a long period of time.



The air pressure range between 500 and 1100 hPa is appropriate.



During transport or storage, the relative humidity should not exceed the limit values of 10% to 95% for a long period of time.

## Technical Information

### Lumen 155 - Omni Microphone

	Thin Tube	Earhook
Equivalent Input Noise (dB SPL)		< 22
Peak OSPL90 (dB)		128
HFA OSPL90 (dB)		122
Peak FOG (dB)		60
HFA FOG (dB)		52
HFA Ref. Test Gain (dB)		46
Frequency Range: f1 – f2		200 - 7100
THD @ 500 Hz (%)		< 7
@ 800 Hz (%)		< 6
@ 1600 Hz (%)		< 0.5
Attack Time (mS)		11
Release Time (mS)		200
Battery Drain, non-streaming (mA)		1.3
Supply Voltage (V) – STD 312		1.3
Induction Coil Sensitivity (STS) (dB)		1

Graph  
Placeholder

## Technical Information

### Lumen 155 - Directional Microphone

	Thin Tube	Earhook
Equivalent Input Noise (dB SPL)		< 17
Peak OSPL90 (dB)		125
HFA OSPL90 (dB)		117
Peak FOG (dB)		50
HFA FOG (dB)		41
HFA Ref. Test Gain (dB)		41
Frequency Range: f1 – f2		400 - 6000
THD @ 500 Hz (%)		< 9
@ 800 Hz (%)		< 7
@ 1600 Hz (%)		< 1
Attack Time (mS)		11
Release Time (mS)		215
Battery Drain, non-streaming (mA)		1.3
Supply Voltage (V) – STD 312		1.3
Induction Coil Sensitivity (STS) (dB)		-7

Graph  
Placeholder

Distributor / Trust



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The Body-Worn Device Company

