



# CIC

**COMPLETELY-IN-THE-CANAL**

OPERATIONS MANUAL



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Congratulations!

Your new Radius hearing system uses advanced digital features to provide improved sound quality, speech understanding and listening comfort.

Micro-Tech® was founded in 1986 on the philosophy that superior sound quality can be achieved while providing patients the small, stylish hearing instruments they desire.

Today, Micro-Tech has earned a reputation as an industry leader in hearing instrument technology and the treatment of hearing loss.

Micro-Tech focuses on connecting people with people. This philosophy is at the center of everything we do. Our ultimate goal is to provide you the best listening experience possible.

Please read this manual carefully to take full advantage of all features on your new hearing system. If you have any questions, please contact your hearing care professional.

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## Congratulations!

You've just taken the first step on your journey toward better hearing. Use this manual as a guide to the use and care of your new hearing instruments. If you have questions, your hearing professional is trained and willing to help.



Your new hearing instruments are customized to your hearing loss and lifestyle. Your hearing professional can make changes to the instruments to match your needs. He or she will make note of these changes in boxes like the one shown below.



## ABOUT YOUR HEARING INSTRUMENTS

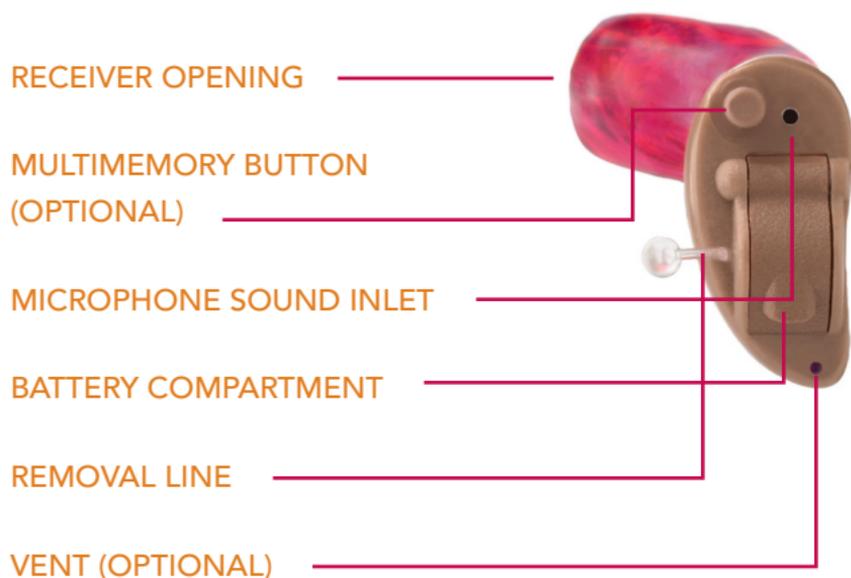
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You have Completely-In-The-Canal (CIC) hearing instruments. Your hearing instruments were made for you, to treat your hearing loss. Your hearing professional will check which features your hearing instruments have.

Your hearing instrument features are:

- Multimemory settings
- Automatic telephone response

Your hearing instruments may contain a different combination of features and controls, depending on the specific options selected for you.



## IDENTIFICATION

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Each instrument can be identified by its serial number, located on the outside shell.

### Serial Number and Identification

Your hearing instruments are identified by the color marking of the serial number or the shell color. **RED** is for **RIGHT**, while **BLUE** is for **LEFT**.



## Battery Size

CICs use a size 10A battery. Battery sizes can be identified by a color code on the packaging. Size 10A batteries have a yellow mark on the package.

It is very important to use the correct size and type battery for your hearing instrument.

Because of their size, it's a good idea to change and replace batteries at a table or desk to reduce the risk of dropping the instrument or battery.



To insert or replace the battery, open the compartment by placing your fingernail under the edge of the swing-out door and gently pulling outward. **Do not open the battery door too far or damage is likely to occur.**



### Changing Batteries

Remove the old battery by pushing it out the top of the fully opened door.

**DO NOT** pull it out the side of the door.

Place the new battery in the compartment with the plus (+) sign facing up.

Close the battery compartment by swinging the door until it snaps shut. **NEVER FORCE THE DOOR SHUT.** This could result in serious damage. If the door will not close easily, check that the battery is placed properly in the compartment and is not upside down.



## Low Battery Indicator

Your hearing professional will check the box below if the low battery indicator for your instruments is turned on.

The low battery indicator is turned on.

When the low battery indicator is turned on, your hearing instruments will beep four times going from a high-to-low pitch when the battery's voltage is low. Replace the battery when you hear these tones.

When the battery is too weak to power the hearing instrument, you will hear a tone for two seconds and the instrument will shut down. Replace the battery when this happens.

### Battery Caution

Because batteries can vary in size and performance, your hearing professional is your best source for lifespan estimates and verification that you are using the proper size and type.



## **WARNING:**

**HEARING INSTRUMENT BATTERIES ARE  
DANGEROUS IF SWALLOWED.**

**National Button Battery  
Ingestion Hotline (202) 625-3333**

To help prevent the accidental ingestion of batteries, keep them out of the reach of children and pets.

Always check your medication before ingesting – batteries have been mistaken for pills.

Never put batteries in your mouth for any reason, as they can easily be unintentionally swallowed.



Dispose of used batteries immediately, using the proper waste or recycling receptacle.

Before placing your instruments into your ears, make certain the batteries are inserted properly and the battery doors are closed securely.

To insert the hearing instrument, hold it with the insertion/removal line between your thumb and forefinger. The microphone opening should be at the top of the instrument.



Guide the instrument into your ear canal until you feel resistance.



Let go of the insertion/removal line. Gently push the instrument in until it is resting comfortably inside your canal.



To ease insertion, you may wish to pull down on your earlobe with your other hand as you push.

## INSERTION AND REMOVAL

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To remove your hearing instrument, slowly and gently pull the insertion/removal line outward.



Your hearing instrument is “on” any time a functioning battery is properly placed in the compartment and the battery door is closed.



Some hearing instruments are programmed to have a power on delay. Your hearing professional will check the box below if your hearing instruments have this feature.

- Your hearing instruments have a power on delay.

The power on delay means that your hearing instruments will take several seconds to turn on once the battery door has been closed. This feature allows you to get the hearing instruments in your ear before they start to amplify sound.

## ON, OFF AND VOLUME LEVEL

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To turn the instrument "off," open the battery compartment door so the battery is no longer in contact with the internal components. This is recommended to preserve battery life any time your instrument is not in use.



Your hearing instruments have been set to a specific volume level by your hearing professional. There is no volume control on the instrument. If sounds are generally too loud or too soft, contact your hearing professional for advice and adjustment.

## Multimemory Settings

Your hearing professional will place a check in the box below if your hearing instruments have a multimemory push button.

- Your hearing instruments have a multimemory push button.

While your hearing instruments make many adjustments automatically, the multimemory push button lets you select a different memory setting for your current listening environment; for example, when you are using the telephone or sitting in a noisy restaurant.

When first turned on, your instruments are most likely programmed for normal listening environments. Additional settings are accessed by pressing the button on the hearing instrument.



## OPTIONAL FEATURES

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When changing the settings, there may be an audible beep or indicator to let you know where the memory is located. For example, the hearing instrument will beep twice for memory 2. Your hearing professional will work with you to set the memories to your preference. With your hearing professional, use the table below to write in the memory settings for your instruments.

MEMORY NO.	ENVIRONMENT/ LISTENING SITUATION	BEEP/ INDICATOR
1		
2		
3		
4		



Your hearing instruments are equipped with tools to help you effectively communicate on the telephone. Your hearing professional will check the box/boxes that represent the telephone settings in your instruments.

Your hearing instruments have the following telephone setting(s):

- Automatic telephone response
- A beep or indicator tone is enabled on your instruments to signal you when the device switches to the telephone setting

### Automatic Telephone Response

This option activates the telephone response automatically when used with a hearing aid compatible telephone. To use, place the telephone receiver on your ear as you normally would and the hearing instrument will select the telephone setting. It might be necessary to move the telephone

receiver slightly to find the best reception.

Once the telephone is removed from the ear, the hearing instrument will switch back to the normal listening mode.

**Note:** If you have a hearing aid compatible phone, but your Automatic Telephone Response does not switch to the telephone setting automatically, your hearing professional can provide you with a small magnet to place on your telephone receiver. This magnet will help activate your automatic telephone option.

### General Telephone Use

Some hearing instruments work best by holding the phone close to, but not fully covering your ear. In some instances, if you encounter whistling (feedback), tilt the receiver at an angle until the whistling stops. Your hearing professional can give instructions and techniques for your specific needs.





Feedback is caused by amplified sounds escaping from the ear canal that make their way back to the instrument's microphone. Your new instruments use the most advanced digital technology available with a unique feedback suppression program. If feedback occurs after the instrument has been inserted correctly and the volume set to a comfortable level, contact your hearing professional.

Your hearing instruments represent the ultimate in miniature technology, especially when you consider the environment in which they function. Heat, moisture, and foreign substances can result in degraded performance.

Proper care and maintenance go a long way toward ensuring trouble-free performance. Do your best to keep the hearing instruments clean at all times. Handling the hearing instruments with clean hands is a good starting point. In addition:

### Clean the Hearing Instruments Daily

- It is a good idea to perform all cleaning and battery changes above a soft cloth on a desk or table; this will keep the instrument from a damaging fall to a hard surface if dropped



- Use the cleaning brush/waxloop and/or a soft, dry cloth to remove earwax or other particles that may accumulate around the canal and battery compartment; never use water, solvents, cleaning fluids or oil to clean your instruments



- Be careful not to insert the cleaning tools into the inside of the hearing aid and never take your hearing instruments apart
- If your hearing aid has a waxguard, consult the instructions that come with it and talk to your hearing professional

- Do not wear your hearing instruments while using hair spray, spray paint, or any other sticky sprays that can clog the microphone



### Store Your Hearing Instruments in a Dry, Safe Place Away from Direct Sunlight or Heat to Avoid Extreme Temperatures

- When not wearing your hearing instruments, turn them off and open the battery compartment door
- Store your instruments where you can easily find them, but safely out of reach of pets and children; hearing instruments can attract curious pets resulting in possible damage or being chewed beyond repair



### Keep Your Hearing Instruments Away From Moisture

- Your instruments may be so comfortable that you forget you are wearing them; develop the habit of checking your ears before going swimming or taking a shower; do the same with clothing pockets before they are washed



- Should your hearing instruments get wet, dispose of the battery and set the instrument on a towel in a safe place, leaving the battery compartment door open to promote air drying overnight



- Never try to dry out hearing instruments by putting them in a microwave or oven, or by using a blow dryer

### When to Call Your Hearing Professional

- Severe reactions, discharge from the ear, excessive wax, or other unusual conditions warrant immediate medical attention
- Pain or soreness in or around the ear is normally caused by pressure from the earmold on a particularly sensitive area, and may easily be corrected through trimming and polishing by your hearing professional
- If for any reason an instrument fails, do not attempt to fix it yourself; this will likely violate any applicable warranties. Should your instruments fail or perform unsatisfactorily, first check the troubleshooting guide on page 25; if problems persist, contact your hearing professional

SYMPTOM	POSSIBLE CAUSES	SOLUTIONS
Not Working	Low battery	Replace battery
	Blocked receiver opening	Clean the devices (see page 20)
Not Loud Enough	Blocked receiver opening	Clean the devices (see page 20)
	When was your hearing last checked?	Contact your hearing professional
Intermittent	Moisture	Follow instructions on page 22
	Defective device	Contact your hearing professional
Automatic Telephone Response Not Switching	Telephone does not have a strong enough signal to activate the switching	See your hearing professional for magnet

### Helpful Reminders for You

How quickly you adjust to your hearing instruments depends on how often you wear them. However, don't assume that you will hear and understand all speech with your hearing instruments. When you first start, you will notice an increase in the noise levels around you. This noise has probably always been there, but with your hearing loss, you might not have noticed this background noise. Remember that it may take awhile to get used to hearing sounds louder than before. As with anything new, it will take time and patience as you adapt to this new way of hearing.

Hearing is only part of how we exchange thoughts, ideas and feelings. Reading lips, facial expressions and gestures can enhance the learning process and supplement what amplification alone may miss. It is important to keep in mind that the best way to communicate is by:

- Looking at the person who is speaking and sitting face-to-face in a quiet room
- Minimizing distractions; for example, doing dishes at the sink and trying to have a conversation is difficult even for those with normal hearing
- Moving closer to the speaker and within sight
- Trying different locations in a room that has poor acoustics



- Letting others know what you need; remember that most people don't know you and cannot "see" your hearing problem
- Remembering you might have a memory setting for a specific situation

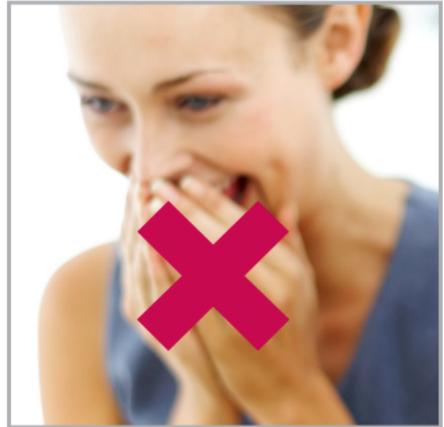
### Helpful Reminders for Your Friends and Family

Many people initially treat hearing problems as an individual matter, something that can be dealt with by themselves. Remember that communication involves more than just one person. The continued understanding and support of family and friends are crucial as you pursue improved hearing. Your friends and family can help by:

- Being sure they have your full attention before beginning to speak
- Looking at you or sitting face-to-face in a quiet room



- Speaking clearly and at a normal rate; shouting or talking directly into the ear can actually make understanding more difficult
- Rephrasing rather than repeating the same words over, as you may find it easier to understand different words
- Minimizing distractions by not speaking with a full mouth, covering their mouth, or with distractions such as a television or radio







### Required Information

The following additional information is provided in compliance with U.S. Food and Drug Administration (FDA) regulations:

**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.

**RF IMMUNITY LEVEL.** This hearing aid has a cell phone immunity rating of M3. A hearing aid compatible cell phone must carry a rating of M2 or higher to work with this hearing aid. Please consult your cell phone specification for the cell phone immunity rating.

### **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 the medical evaluation is to assure 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 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.

A hearing aid 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 a user to attain full benefit from it.

**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.

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