

SONIC | charm.



charm™



Charm BTE and miniBTE
User Guide

 **SONIC**
Everyday Sounds Better

Hearing Instrument Style:

BTE miniBTE

Hearing Instrument Serial Number:

Left _____ Right _____

Hearing Instrument Model:

Left _____ Right _____

Battery Size: 13A

Listening Program #

Listening Environment

1	_____
2	_____
3	_____
4	_____

Right/Left Instruments Synchronized:

Active Inactive

Program Button:

Active Inactive

Program Button Mute:

Active Inactive

Preferred Telephone Ear:

Right Left Both

Non-Telephone Ear Control

No change
 Softer when telephone is in use
 Mutes when telephone is in use

BTE Volume Control:

Active Inactive

BTE Telecoil:

Active Inactive

The following hearing instruments are covered in this User Guide:

Charm BTE



CH60 BTE
CH40 BTE

Charm miniBTE



CH60 MN
CH40 MN

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Congratulations on your purchase!
With a little practice, you will soon be on your way to better hearing. The amplification of sound provided by your hearing instruments was adjusted by your hearing care provider to the needs of your individual hearing loss.







Please read the entire contents of this booklet before using your hearing instruments. It contains instructions and important information about the use and handling of your hearing instruments and batteries. With proper use and care, your hearing instruments will improve your connection with the world around you.







General Warnings and Safety Guidelines

Hearing instruments and batteries can be dangerous if swallowed or improperly used. Such actions can result in severe injury, permanent hearing loss or even fatality.

Familiarize yourself completely with the following general warnings and safety guidelines before using your hearing instruments.

Hazard warnings

-  Never allow others to wear your hearing instruments. They are adjusted for your hearing requirements and may permanently damage another person's hearing.
-  Avoid wearing your hearing instrument while playing contact sports (e.g., rugby, football, etc.), since a strike to the ear could be harmful.
-  Hearing instruments, their parts and batteries should be kept out of reach of infants, children, and anyone who might swallow these items or otherwise cause themselves injury.
-  Take care when changing and discarding batteries to keep them out of reach of infants, children, persons of mental incapacity or pets.

-  Clean your hearing instruments and their parts on a regular basis as recommended. Micro-organisms from unclean instruments may cause skin irritations.
-  Be careful with leaking battery liquid, as it is a hazardous substance.
-  Never attempt to recharge non-rechargeable batteries.
-  Be aware of the possibility that your hearing instruments may stop functioning without notice. Keep this in mind while you circulate in traffic or otherwise depend on warning sounds.
-  Remove your instruments before applying aftershave, hairspray, oils, perfume, mosquito repellent, lotions, etc. Allow the product to dry before wearing your instruments.
-  Traffic or other warning sounds may be reduced in level by a directional microphone when these sounds are coming from behind you.

**Warnings to hearing care provider and patient**

Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the patient.



When the DAI is connected to AC-powered equipment, this equipment must comply with IEC-60601-1 or equivalent safety standards.

Safety information

- Hearing instruments should be used only as directed and adjusted by your trained hearing care provider. Misuse or improper adjustments can result in sudden and permanent hearing loss.
- Never put your hearing instrument or batteries in your mouth, as they could easily be swallowed
- Keep batteries away from medications, since they can easily be mistaken for pills
- In the event that a battery or hearing instrument is swallowed, see a doctor immediately
- Be aware that use of a hearing instrument may cause excess earwax to build up in the ear canal which may require removal by a trained medical professional
- Consult your physician if excessive earwax, skin irritation, or a foreign object prevents you from wearing your hearing instrument
- An Earmold is a custom-made product. If you experience discomfort or irritation of your ear, please see your hearing care provider immediately for modification of the Earmold.
- In rare cases, a hearing instrument or Earmold may cause a discharge from the ear or allergic reaction. See a physician immediately if these conditions occur.

- Never insert cleaning tools into the microphone inlet or deeply into the sound outlet. This could damage the hearing instruments.
- Do not expose hearing instruments to extreme heat by leaving them in the car, near a radiator, etc.
- Avoid exposing your instruments to water and moisture i.e., steambaths, showers, heavy rain, etc.
- Do not wear your hearing instrument while swimming, snorkeling or diving, as it is not designed for such activities
- Do not immerse your hearing instrument in water or other liquids
- Never attempt to dry your instruments with a hair dryer, microwave oven, etc.
- It is recommended to remove your hearing instruments before sleeping
- Protect your instruments by keeping them in the case when you are not wearing them

Hearing Expectations

Set appropriate expectations

It is important that you have the right expectations regarding your hearing instruments. Hearing instruments can help you hear and understand better, but they are not a cure for hearing loss.

People whose expectations are too high (“I thought they would make my hearing normal”) are likely to be disappointed and may give up.

Hearing instruments can:

- Help you hear and understand better in most situations
- Allow you to participate more in group situations and meetings

Hearing instruments cannot:

- Give you normal hearing

Hearing instruments may not:

- Let you hear very soft sounds
- Block ALL background noises – especially in noisy situations. Even people without hearing loss may have difficulty hearing in the presence of background noise.

Be patient

Unlike with eyeglasses which correct your vision as soon as you first put them on, with hearing instruments you will need some time to adjust.

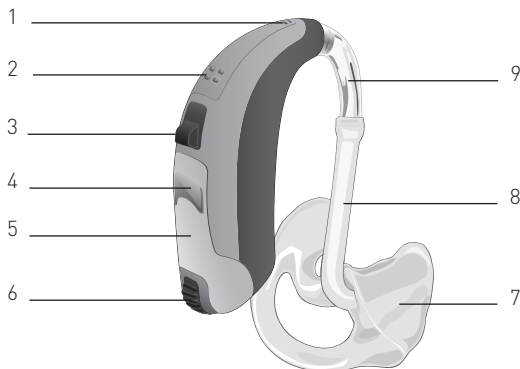
It may take several weeks or months to completely adjust to your hearing instruments, so try to be patient. Initially, try different listening situations, such as one-on-one conversations with family and friends, and conversations with two or three people at home or in quiet settings. Also, try having conversations in noisier places like parties, restaurants, meetings, and outdoors.

Do not forget that some situations are simply too noisy in general – even for people without hearing loss. So, do not get discouraged.

Consistent use of your hearing instrument is strongly recommended. In most cases, infrequent use does not allow you to obtain the full benefit from your device.

The use of a hearing instrument is only a part of total hearing rehabilitation, and may need to be supplemented by auditory training and instruction in lipreading.

Your Charm BTE Hearing Instrument – with Earhook

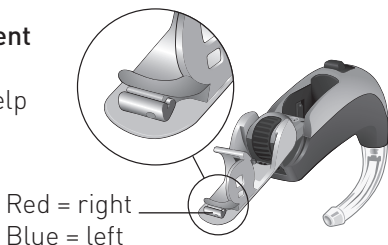


- 1 Front microphone
- 2 Rear microphone
- 3 Program Button
- 4 Battery door grip
- 5 Battery door

- 6 Volume Control
- 7 Earmold
- 8 Earmold tubing
- 9 Earhook

Right and left instrument markers

A color indicator can help you distinguish right and left instruments.

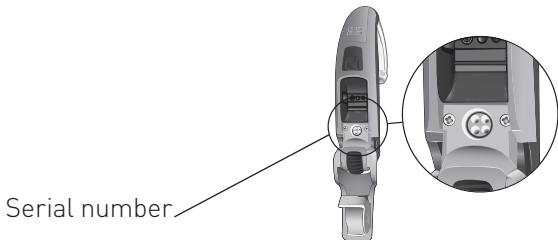


Your Charm BTE Hearing Instrument – with Thin Tube

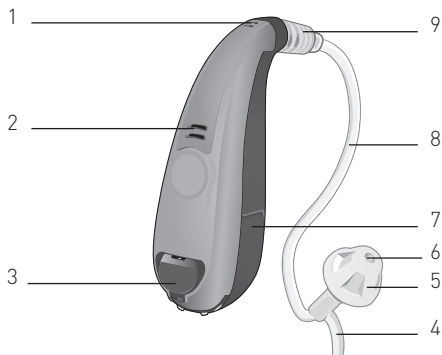


- 1 Front microphone
- 2 Rear microphone
- 3 Program Button
- 4 Battery door grip
- 5 Battery door

- 6 Volume Control
- 7 Retention lock
- 8 Dome
- 9 Sound outlet
- 10 Thin Tube
- 11 Thin Tube Adapter



Your Charm miniBTE Hearing Instrument – with Thin Tube



- 1 Front microphone
- 2 Rear microphone
- 3 Program Button
- 4 Retention lock
- 5 Dome

- 6 Sound outlet
- 7 Battery door
- 8 Thin Tube
- 9 Thin Tube Adapter

Right and left instrument markers

A color indicator can help you distinguish right and left instruments.

Red = right
Blue = left

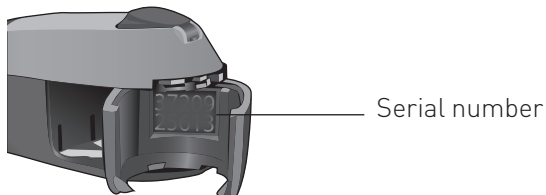


Your Charm miniBTE Hearing Instrument – with Earhook and Earmold



- 1 Front microphone
- 2 Rear microphone
- 3 Program Button
- 4 Earmold

- 5 Battery door
- 6 Earmold tubing
- 7 Earhook



Turning Your Hearing Instrument OFF and ON

To prolong battery life, turn off your hearing instrument when not in use. Before turning your hearing instrument off, wipe away any moisture with a soft cloth.

Charm BTE

To turn your BTE hearing instrument off, put your fingernail into the battery door grip and open the battery door slightly until you feel a firm stopping point. Only a small portion of the battery is visible, which keeps the battery from falling out completely. To turn the hearing instrument back on, fully close the battery door.



ON



OFF

Charm miniBTE

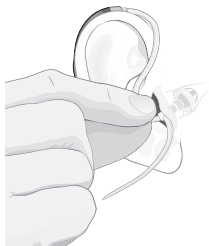
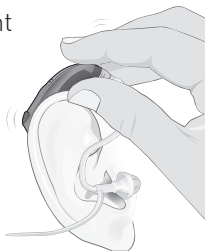
To turn your miniBTE hearing instrument off, open the battery door slightly by pushing on the edge of the seam. To turn it back on, fully close the battery door.



Your hearing instrument may be programmed to alert you with a beep when it is turned on. Your hearing care provider will tell you if this feature is enabled. Your hearing instrument may also have a “power on” delay. This allows you to insert the device before it is fully active.

Putting On Your Hearing Instrument – Thin Tube

- First, position the hearing instrument over the top of your ear
- Grasp the bend of the Thin Tube and gently push the Dome into your ear canal until the tube rests against the side of your head. When the Dome is placed appropriately, you should not be able to see the Thin Tube sticking out when you look directly into a mirror. If the Thin Tube is sticking out from your ear, insert the Dome further.
- Use your finger to push the retention lock comfortably into the bowl of your ear



Taking Off Your Hearing Instrument – Thin Tube

- To remove your hearing instrument, hold the Thin Tube and gently pull the Dome out of your ear canal
- Lift the hearing instrument case from behind your ear
- Open the battery compartment to turn off the device



Note!

Do not remove the instrument by pulling on the hearing instrument case. This might disconnect the device from the Thin Tube.

Should the Dome become separated from the Thin Tube and remain lodged in your ear canal after removal of the hearing instrument, **do not** attempt to remove the Dome yourself. Seek immediate care from your hearing care provider or physician.

Putting On Your Hearing Instrument – Earhook

- Start with the hearing instrument and Earmold for your right ear. Connect the Earmold to the hearing instrument by pushing the hearing instrument's Earhook into the tube on the Earmold.
- Once the two are connected, hold the Earmold with your thumb and first finger. Gently guide it into your ear canal.
- Gently pulling down on your ear lobe with your other hand may help. A slight twist may be needed to fit the Earmold in your ear.
- When the Earmold is in your ear, place the hearing instrument behind the top part of your ear. Do the same with the left hearing instrument and Earmold.



Taking Off Your Hearing Instrument – Earhook

To take your hearing instrument off, hold the Earmold with your thumb and first finger. Gently pull it out of your ear canal.

A slight twist may be needed to remove it. Do not pull on the tube, as it may come out of the Earmold. Once the Earmold is out of your ear, remove the hearing instrument from behind your ear.



Note!

Even though they look the same, hearing instruments are programmed to fit a specific ear (right or left). Make sure the correct hearing instrument is used with the correct Earmold. Refer to the right and left instrument markers on pages 18 and 20.

Changing the Programs

Your hearing instrument can be configured with multiple listening programs. Please see inside the front cover of this User Guide to find out which program(s) have been configured by your hearing care provider. You can change programs as follows:

Program Button

A short press (about 2 seconds) on the Program Button will cause the listening program to change. You will hear the same number of beeps as the program you are in each time you push the button. When you turn the hearing instrument off and then on, it will automatically return to your default listening program (program 1).

RC-P Remote Control or SoundGate

(Optional accessories)

The listening program can be changed with either of these devices. Please see pages 56 and 57 for instructions.

Program Button Mute

A longer press (about 5 seconds) on the Program Button will cause the hearing instrument to mute, no matter which program you are in. Press the button again to un-mute the device.

Charm BTE



Charm miniBTE



Note!

Your hearing care provider can customize the behavior of the Program Button. Please see inside the front cover to find out how your Program Button may have been configured.

Changing the Volume

Your hearing instruments are programmed to be at a comfortable volume level for your hearing loss. They are designed to automatically adjust to changes in the sound environment. You should only need to make small volume changes to get natural and comfortable sound.

If you have purchased an optional RC-P Remote Control or SoundGate accessory, you can use it to make small volume changes to get a natural and comfortable sound. Please see pages 56 and 57 for further instructions.



Note!

If the default volume of your hearing instrument is too loud or soft, your hearing care provider may need to make changes to your listening program.



Note!

Your hearing instruments automatically return to a pre-set loudness level when they are powered on, when the battery is low, or when the program is changed. If you find that you frequently need to turn the volume up or down, your hearing care provider may need to adjust your settings.

Charm BTE only

Charm BTE has a Volume Control that allows you to adjust the volume as needed. Rotate the Volume Control up to turn up the volume. If you need to lower the volume, slowly turn the Volume Control down. Your hearing instrument may play a series of beeps when you have reached the maximum or minimum volume. You may also hear soft clicks as you turn the Volume Control, indicating small changes in your instrument's volume settings.



Volume Control

Using the Telephone

Your hearing instrument may be programmed with a dedicated Telephone Program. Your hearing care provider can configure your hearing instruments to allow answering the phone on both ears or on your preferred ear. Please see inside the front cover to find out if this was configured.

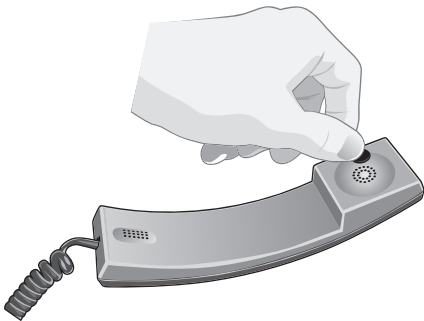
Auto Telephone (Charm 60 only)

Additionally, your hearing instrument has an optional Auto Telephone feature. When the hearing instrument is close to a telephone receiver, the Auto Telephone will activate your Telephone Program. When you end your conversation, the hearing instrument will automatically return to the previous listening program.

If you have a preferred ear, the hearing instrument on the opposite side can be programmed to sound softer or mute when the Telephone Program is active. Ask your hearing care provider if this option has been selected for you.

**Note!**

Some telephones may need a special magnet added to help engage the Auto Telephone feature. To mount the magnet onto your telephone, please follow the instructions included in the magnet's packaging or contact your hearing care provider.



Phone usage tips

- Hold the receiver close to the microphone opening of your hearing instrument. If this causes whistling, move the receiver away a small distance.
- Before purchasing a mobile phone, test it with your hearing instrument
- People with a greater degree of hearing loss may need a Volume Control on the telephone



Note!

If your hearing instrument has been configured without these options, select the program that is best for you when using the telephone. Then position the phone lightly against your ear as described above.

Magnet warnings

- Keep magnets out of reach of children and pets
- If a magnet is swallowed, see a doctor immediately
- Do not place the magnet in a shirt pocket and keep it 1 ft (30 cm) away from pacemakers and other active implants
- Use the magnet on the opposite side from active implantable devices
- Keep the magnet 1 ft (30 cm) away from credit cards or other magnetically sensitive items

Using the Telecoil

(Charm BTE only)

The telecoil helps you hear better when using a telephone or in buildings where inductive loop systems are installed (places of worship, halls, theater, etc.).

When the telecoil is active, you hear directly through the telephone or inductive loop. To access the telecoil, go to the Telephone Program.

Please refer to the inside cover to see if this option has been configured for your device.



This symbol or a similar sign should be displayed wherever a permanent loop has been installed.



Note!

Not all telephones are compatible with hearing instruments.

Changing the Battery

When the battery power level is low, your hearing instrument will beep at regular intervals. You should be prepared to replace the battery. The time until the hearing instrument stops working depends on the battery type and manufacturer. Mercury-free batteries generally cause earlier warning beeps.

Change batteries regularly

When your battery needs to be changed, you will hear three beeps: a low tone, followed by a high tone and another low tone. The exact battery life you experience may vary, but you should expect approximately 200 hours of total hearing instrument use per battery.

Battery type

Stainless steel zinc-air batteries are recommended. Your hearing instrument uses a #13A battery.

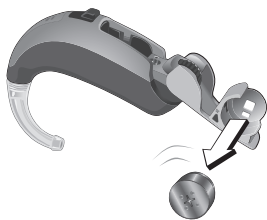
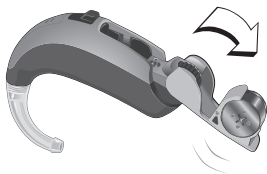


Note!

Never force the battery door open or closed.

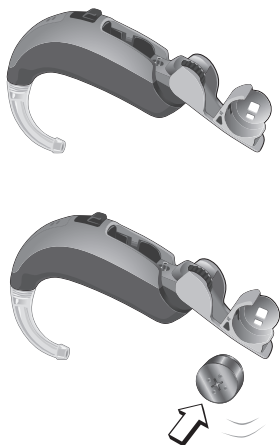
Remove the old battery from your Charm BTE:

- Insert your fingernail into the battery door grip and pull on the battery door
- Open the battery door fully until the entire battery is visible
- Remove the battery by lifting the exposed edge of the battery out of the retaining ring



Insert a new battery into your Charm BTE:

- Remove the colored tab from the battery before putting it in the hearing instrument
- Insert the battery so the “+” sign on the battery is flush with the opening of the battery door
- Close the battery door fully
- Cup your hand around the hearing instrument. A whistling or squealing sound means the battery is working.



Remove the old battery from your Charm miniBTE:

- Open the battery door by pushing either side of the compartment with your fingernail
- Rotate the compartment until the opening in the battery retaining ring points directly away from the body of the hearing instrument
- Remove the battery by lifting the exposed edge of the battery out of the retaining ring



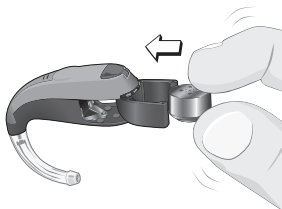
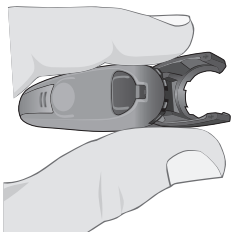
Note!

The battery may spring out of the retaining ring. Be careful not to lose it.



Insert a new battery into your Charm miniBTE:

- Grasp the hearing instrument with your thumb and forefinger on either side of the open battery door to keep the compartment from moving
- Insert a new battery by pushing it securely into the opening of the retaining ring, keeping the "+" sign flush with the opening of the battery door
- Once the battery snaps firmly in the retaining ring, rotate the retaining ring back into the battery compartment
- Cup your hand around the hearing instrument. A whistling or squealing sound means the battery is working.



Important battery information

- Battery life will vary with conditions of use (for example, batteries will run down faster in noisy environments)
- Always keep spare batteries on hand
- A used battery should be replaced immediately
- If you are not going to use your hearing instruments for a few days, remove the batteries
- Any moisture found on a battery should be wiped off immediately with a soft cloth
- Always remove zinc-air batteries before drying your hearing instrument with a drying kit. Drying out zinc-air batteries shortens their lifetime.
- Used batteries should be returned to your battery supplier or hearing care provider for safe disposal
- Never dispose of batteries by burning them. They may explode and cause injury.
- Never dispose of batteries with household waste. They cause environmental pollution.
- Batteries can be harmful if swallowed. Keep batteries out of the reach of pets and small children. In case of ingestion, contact your physician immediately.

Audible Indicators

Event	Tone description
Start-up delay	Configurable short, medium or long delay before amplification starts
Power on	A sustained beep when amplification starts
Listening program change*	One to four single beeps; Number of beeps matches listening program position
Low battery	Three warning beeps in a low-high-low pitch sequence
Power down; Dying battery	A fast sequence of beeps descending in pitch

Audible indicators with BTE and/or optional SoundGate/RC-P

Volume Control click*	Brief click to indicate volume is turning up or down
Volume Control limit*	Rapid double beep at both maximum and minimum levels
SoundGate incoming call*	Telephone ringing signal

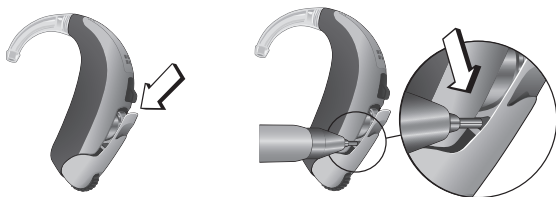
* Audible indicators can be heard in the opposite hearing instrument if the Binaural Volume & Program Change is activated in the fitting software. Refer to the Owner Information in the inside cover to see how your devices are configured.

Safety Lock

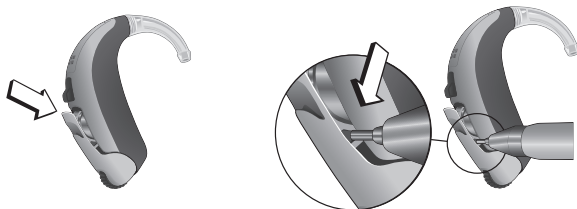
As an added safety feature, your battery door has been designed with a locking mechanism to deter children from accessing the battery.

Charm BTE

To lock the door, place your BTE on a flat surface with Earhook facing left. Partially open the battery door. Firmly press the locking bolt down with a thin, hard device such as a pair of tweezers. This will prevent the battery door from completely opening and exposing the battery.

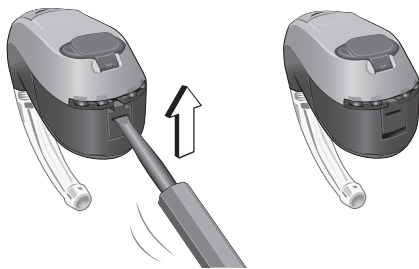


To unlock, simply flip the hearing aid over with the Earhook facing right. Press down on the bolt, moving it back to the open position.



Charm miniBTE

With the battery door fully closed, use a small screwdriver or similar tool to slide the lock up into the slot. This will prevent the battery door from opening until you slide it back down again.



Data Logging

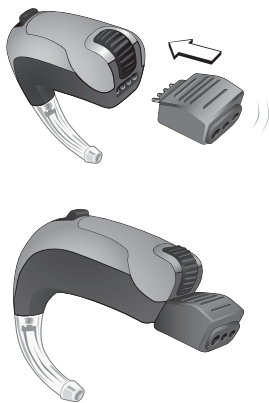
The data log automatically stores information about your use of your hearing instruments such as program changes, hours of wear, etc. This information can be used by your hearing care provider to adjust your hearing instruments. If you do not want this feature to be active, please ask your hearing care provider to turn it off.

Direct Audio Input and FM

A Direct Audio Input (DAI) Adapter allows your hearing instrument to receive signals directly from external sources such as TV, personal stereos, etc. An FM Receiver allows your instrument to receive signals directly from an external wireless FM Transmitter.

Charm BTE

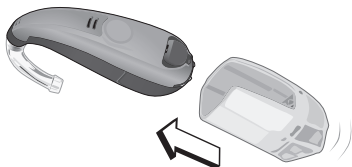
- The DAI pins are located at the bottom of the hearing instrument
- Insert the DAI boot into the bottom of the instrument as shown here
- Insert the DAI/Euro Plug or FM Receiver of the assistive listening device into the boot



Charm miniBTE

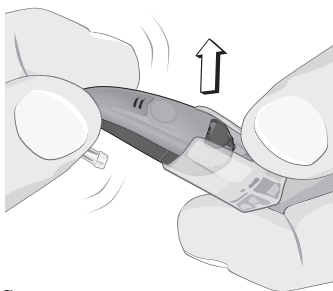
Attaching the DAI Boot

- Slip the DAI Boot over your miniBTE, as shown. When it is fully seated, you will feel it click into place.
- Insert the DAI/Euro Plug or FM Receiver of the assistive listening device into the DAI Boot



Removing the DAI Boot

- Disconnect the DAI/Euro Plug or FM Receiver of the assistive listening device from the DAI Boot
- Grasp the DAI Boot as shown. Pull the hearing instrument up and out of the boot with your other hand. A slight twisting motion will help free the DAI Boot from the miniBTE.



Direct Audio Input/FM Program

Your hearing instrument has dedicated listening programs designed to work with a DAI Boot or FM Receiver. When either is attached, the hearing instrument will automatically switch into this dedicated set of programs. Refer to the chart below to see how the DAI/FM Programs are organized:

Program	Beeps	Function
1	1	Instrument microphone
2	2	DAI/FM + Mic*
3	3	DAI/FM only

*Starting program

Caring for Your Hearing Instruments

Healthy ears produce cerumen, a waxy substance that can clog your hearing instruments. Please follow these cleaning instructions to prevent wax build-up and ensure optimal performance.

Every night

- Check your hearing instruments for earwax and wipe them clean with a cloth or tissue
- Use the cleaning tool provided to remove wax that may have accumulated in the Dome, sound outlet or vent opening if you have a Custom Mold
- Open the battery door fully to allow air to circulate
- A dry-instrument pack is recommended to remove any moisture that may have accumulated in the hearing instrument

If your hearing instrument comes in contact with water

Should your hearing instrument come in contact with water and stop working, please follow these guidelines:

- Gently wipe off any water on the outside of the hearing instrument
- Open the battery door and remove the battery
- Gently wipe off any water in the battery door
- Let the hearing instrument dry with the battery door open for approximately 30 minutes
- Insert a new fresh battery (see pages 39 and 41) and close the battery door. Your hearing instrument should work normally again.



Note!

If your hearing instrument does not work properly, consult your hearing care provider.

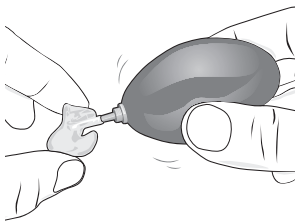
If you have an Earmold

You should wash your Earmolds regularly. The hearing instrument itself must never be washed or allowed to get wet!

- Handle your instruments over a soft surface to avoid damage in case you drop them
- Disconnect the Earmold from the hearing instrument by grasping the end of the Earhook firmly with one hand and grasping the tubing firmly with the other hand



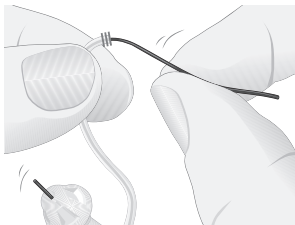
- Pull the tubing away from the Earhook
- Gently clean the Earmold in warm soapy water
- Rinse the Earmold and allow it to dry completely
- Use an air puffer to remove any remaining moisture in the tubing
- When re-attaching the Earmold to the instrument, it is important to position it correctly



Cleaning the Thin Tube system

If you have the Thin Tube system, make sure that the Thin Tube and Dome are kept free of earwax at all times.

- Grasp the Thin Tube Adapter firmly and disconnect the Thin Tube from the instrument by pulling it off. Please see page 55 for further instructions.
- Use a soft dry cloth or tissue to clean the outside of the Thin Tube and Dome
- To remove wax from the Thin Tube, insert the cleaning wire at the connector end. Push the wire all the way into the Thin Tube until it comes out through the Dome.
- Pull the cleaning wire out through the Dome and discard it
- Reattach the Thin Tube connector to the Thin Tube Adapter



Note!

To avoid blocking the Thin Tube, do not use water to clean it.

Exchanging the Dome

The Dome should be changed regularly. The frequency of Dome changes will depend on how fast earwax builds up on the Dome. Spare Domes can be obtained from your hearing care provider.

- Remove the old Dome by pulling it off the end of the Thin Tube
- With clean fingers, push a new Dome as far as possible onto the Thin Tube. When attached correctly, the Dome should touch the plastic ring around the Thin Tube.



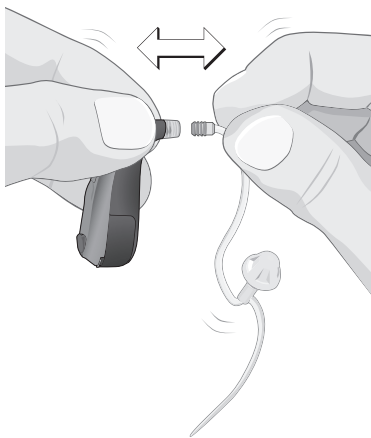
Note!

If the Dome is not securely attached to the Thin Tube, it could fall off in your ear canal. If this happens, please see your medical provider.

Exchanging the Thin Tube system

If the Thin Tube becomes discolored, stiff or brittle, it should be replaced.

- Hold the instrument by the Thin Tube Adapter and grasp the Thin Tube close to the connector
- Pull firmly to remove the old Thin Tube
- Attach the new Thin Tube by pushing it firmly into the connector

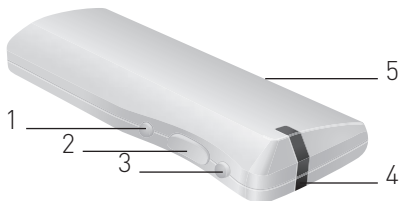


Operating Your Hearing Instrument with the RC-P Remote Control

Optional accessory

If you have purchased a remote control, you can use it to change listening programs, adjust the volume level up and down, or mute the hearing instruments.

For complete operating instructions, please read the separate RC-P Remote Control User Guide.



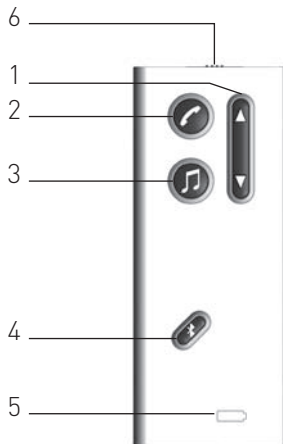
- 1 Program Button
- 2 Volume Control
- 3 Mute button
- 4 Status light
- 5 Key lock

Operating Your Hearing Instrument with the SoundGate Communication Device

Optional accessory

If you have purchased a SoundGate, you may use it to perform basic functions such as changing the listening programs, adjusting the volume level up and down, or muting the hearing instruments. In addition, the SoundGate serves as a link between your hearing instruments and external sources such as music players, mobile phones, computers, etc. For complete operating instructions, please read the separate SoundGate User Guide.

- 1 Volume Control
and program change
- 2 Phone
- 3 Music/Audio key
(e.g. MP3)
- 4 Bluetooth® key
- 5 Battery indicator
- 6 Key lock



Environmental Protection

Your hearing instruments contain electronic components subject to the Directive 2002/96/EC on waste electrical and electronic equipment (WEEE).

Help to protect the environment by not disposing of your hearing instruments or batteries with your unsorted household waste. Please recycle your hearing instruments and batteries according to your local regulations or return them to your hearing care provider for disposal.



Product Approval, Markings and Compliance

All Sonic hearing instruments comply with international standards concerning electromagnetic compatibility. Due to the limited space available on the hearing instruments, all relevant approval markings are found in this document.

Electromagnetic interference

Your hearing instrument has been thoroughly tested for electromagnetic interference. However, some products may emit electromagnetic energy causing unforeseen interference with hearing instruments. Examples include induction cooking appliances, shop alarm systems, mobile phones, fax machines, personal computers, X-rays, CT scans, etc.

Even though your hearing instruments are designed to comply with the most stringent international standards of electromagnetic compatibility, they may emit electromagnetic energy that can cause interference with other devices.

Your hearing instruments contain a radio transmitter using short range magnetic induction technology working at 3.84 MHz. The magnetic field strength of the transmitter is $< -42 \text{ dB}\mu\text{A} / \text{m} @ 10 \text{ m}$.

The electromagnetic emission from the radio system is well below international limits for human exposure. By comparison, the electromagnetic energy of the hearing instruments is lower than that generated by household items such as halogen lamps, computer monitors, dishwashers etc.

Protection against harmful ingress of water and particulate matter

The enclosures of the device fulfill the requirements of class IP57 according to EN 60529:1991/A1:2000.

Cell Phone and Hearing Instrument Compatibility

Some hearing instrument users have reported a buzzing sound in their devices when they are using cell phones, indicating that the cell phone and hearing instrument may not be compatible.

The compatibility of a particular hearing instrument and cell phone can be predicted by adding the rating for the hearing instrument immunity to the rating for the cell phone emissions (ANSI C63.19-2006 American National Standard Methods of Measurement of Compatibility between Wireless Communication Devices and Hearing Aids).

For example, the sum of a hearing instrument with a rating of 2 (M2/T2) and a telephone with a rating of 3 (M3/T3) would result in a combined rating of 5. According to the standard, any combined rating that equals at least 5 would provide “normal use”; a combined rating of 6 or greater would indicate “excellent performance.”

The immunity of your Charm hearing instrument is at least M2 and M2/T2 for miniBTE and BTE respectively.

The equipment performance measurements, categories and system classifications are based upon the best information available but Sonic cannot guarantee that all users will be satisfied.

**Note!**

The performance of individual hearing instruments may vary with individual cell phones. Please try this hearing instrument with your cell phone or, if you are purchasing a new phone, be sure to try it with your hearing instrument prior to purchase. For additional guidance, please ask your cell phone provider for the booklet entitled "Hearing Aid Compatibility with Digital Wireless Cell Phones."

Warranty and Repairs

Your hearing instruments have a limited warranty, covering defects in materials and workmanship. This warranty covers the hearing instruments themselves, but not accessories such as batteries, tubing, Domes, Earmolds, etc.

This warranty is void if a defect is the result of misuse or mistreatment. The warranty is also void if the hearing instruments have been repaired by non-authorized service personnel.

Please review the warranty with your hearing care provider and make sure that your warranty card is completed correctly.

**Note!**

Your hearing care provider may charge a service fee for processing warranty repairs.

Accessories

Sonic offers a wide range of optional accessories that may be purchased to enhance your hearing system. Depending on hearing instrument type and local regulations, the following accessories are available:

- RC-P Remote Control
- SoundGate communication device (for wireless connection to mobile phones, music players, etc.)
- TV Adapter (for wireless connection to your television via the SoundGate)
- Phone Adapter (for wireless connection to your landline phone via the SoundGate)

For further information on accessories, please contact your hearing care provider.

Common Problems and Solutions

Problem	Possible cause
Instrument whistles or squeals	Instrument not inserted correctly
	Earwax accumulation in ear canal
	Instrument may be too loose
No volume, level too soft or humming noise	Instrument may not be turned ON
	Battery may be dead or inserted wrong way
	Volume level too soft
	Instrument may be in telecoil position
	Earwax accumulation in ear canal
	Battery contacts may be dirty or corroded
	Sound outlet may be blocked or corroded
	Microphone opening may be blocked
	Your hearing loss may have increased

Solution

Re-insert instrument

Consult your hearing care provider or physician

Consult your hearing care provider

Check that the battery door is closed completely

Insert a fresh battery

Increase the volume level with the Volume Control on the instrument, or with the RC-P or SoundGate (if available)

Check to make sure you are in the intended program

Consult your hearing care provider or physician

Open and close the battery door several times or clean the battery contacts carefully with a dry Q-tip

Check the sound outlet and change the filter if you can see that it is clogged

Consult your hearing care provider, do not try to clean this yourself

Consult your hearing care provider

Problem	Possible cause
Whirring noise, fading, weak or motor-boating sounds	Battery contacts may be dirty or corroded
	Moisture in hearing instrument
	Low battery
Instrument switches from ON to OFF periodically	Low battery

Solution

Open and close the battery door several times or clean the battery contacts with a dry Q-tip

Place hearing instrument in dry-instrument pack. Remove battery first. Consult your hearing care provider.

Insert a fresh battery

Insert a fresh battery

Information for the Hearing Care Provider

A hearing care provider should advise a prospective hearing instrument user to consult with a licensed physician (preferably an ear specialist) promptly, before dispensing a hearing instrument, if the hearing care provider 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:

- Visible congenital or traumatic deformity of the external or middle ear
- History of active drainage from the ear within the previous 90 days
- History of sudden or rapidly progressive hearing loss within the previous 90 days
- Acute or chronic dizziness or vertigo
- Unilateral hearing loss of a sudden or recent onset within the previous 90 days
- Audiometric air-bone gap equal to or greater than 15 decibels at 500 hertz (Hz), 1000 Hz, and 2000 Hz
- Visible evidence of significant cerumen accumulation or a foreign body in the ear canal
- Pain or discomfort in the ear

Warning to hearing care provider and patient

Special care should be exercised in selecting and fitting a hearing instrument whose maximum sound pressure level exceeds 132 decibels due to the fact that there may be risk of impairing the remaining hearing of the hearing instrument user.

Children with hearing loss

A child with a hearing loss should be directed to a physician for medical evaluation and to other professionals for evaluation and rehabilitation since hearing loss may cause problems with language development and the educational and social growth of a child.

Compliance with Requirements for Europe

This device is in conformance with the requirements of the Directive 93/42/EEC of the Council of the European Communities concerning medical devices, MDD. This is certified by applying this marking.



This device also complies with the essential requirements of the Directive 1999/5/EC of the European Parliament on radio equipment and telecommunications terminal equipment, R&TTE. It operates as an inductive application in a harmonized frequency band according to the Commission Decision 2008/432/EC and may be used in all member states of the EU and EFTA. This is certified by applying this marking.



Declarations of conformity are available at:
Sonic Innovations, Inc.
2501 Cottontail Lane
Somerset, NJ 08873

Compliance with Radio Communications Requirements for the USA and Canada

Sonic Innovations, Inc.

Charm hearing instrument models CH60 BTE;
CH40 BTE; CH60 MN; CH40 MN



	BTE	miniBTE
FCC ID	ZT0BTE01	ZT0MBTE1
IC:	9799A-BTE01	9799A-MBTE1

This device complies with part 15 of the FCC Rules and RSS-210 of Industry Canada. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.



Note!

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

**Note!**

Changes or modifications not expressly approved by Sonic could void the user's authority to operate the equipment

Information and Explanation of Symbols



The CE conformity marking indicates conformance to all applicable European Directives



This symbol indicates that the products described in these instructions for use adhere to the requirements for an applied part of Type B of EN 60601-1. The surface of the hearing instrument is specified as applied part of Type B.



This symbol indicates that it is important for the user to read and take into account the relevant information in these instructions for use

IP57

This symbol indicates that class of protections against harmful ingress of water and particulate matter according to EN 60529. IP5X indicates dust protection. IPX7 indicates the protection against the effects of temporary immersion in water.



This sign indicates important safety information that must be observed to minimize risks or to avoid hazardous situations



Important information for handling and product safety



The crossed-out wheeled bin indicates that the European Directive on waste of electronic equipment applies

Operating conditions

The product is designed such that it functions without problem or restrictions if used as intended, unless otherwise noted in these instructions for use

Transport and storage conditions

During transport or storage, the temperature should not exceed the limit value of $-13^{\circ}/140^{\circ}$ Fahrenheit ($-25^{\circ}/60^{\circ}$ Celsius)

Service

If none of the actions listed in the previous pages correct a problem you may have with your hearing instrument, contact your authorized Sonic service representative. Do not attempt to service your hearing instruments yourself or your warranty may be voided.

Place stamp with dispenser name and address here:





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