



a member of the DigiStar product family



operations manual



rediscover  
the SoundScapes  
of your life.

CE 0086




in-the-ear

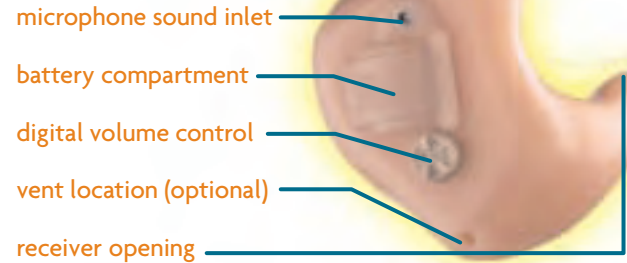
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gemini 

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Your Gemini CE Digital In-The-Ear (ITE) has been custom-made with the precise electronic circuitry controls to match your particular hearing requirements.

The Gemini ITEs programmable parameters are frequency response, compression characteristics, maximum output, volume control reserve, and default volume setting on power up. These parameters are set by your hearing professional or by the manufacturer. They are not programmable by the wearer.

Each instrument can be identified by its serial number, located in the helix area of the instrument. A red or blue bar indicates right or left ear.

(manufacturer's name) (model name)  
**00-00-000000**

year  
made

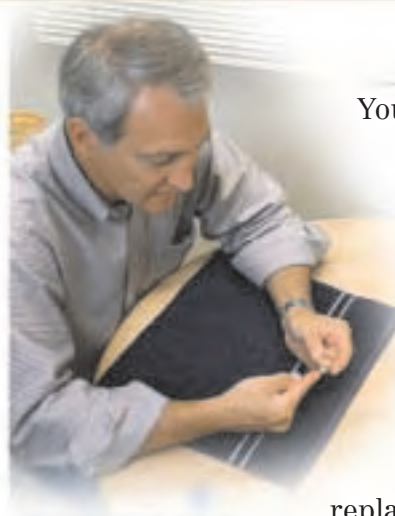
serial  
number

RED is for  
RIGHT ear

BLUE is for  
LEFT ear



We are confident that your listening enjoyment will be enhanced by the attention given to the performance and appearance of your Gemini ITE.



Your ITE uses a size 13 battery as its power source. Be sure you use the correct size and type cell for your instrument.

Because of their size, it's a good idea to change and replace the battery above

a table or desk to reduce the risk of dropping or damage.

To insert or replace the battery, open the battery 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.



Remove the existing battery either by pushing it out the top of the door, or pulling it straight out.

Place the new battery in the compartment with the plus (+) sign facing the same direction as the plus (+) sign on the door.



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

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 if problems persist.

## WARNING

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




Upon removal from your instrument, dispose of spent cells immediately in the proper waste or recycling receptacle.

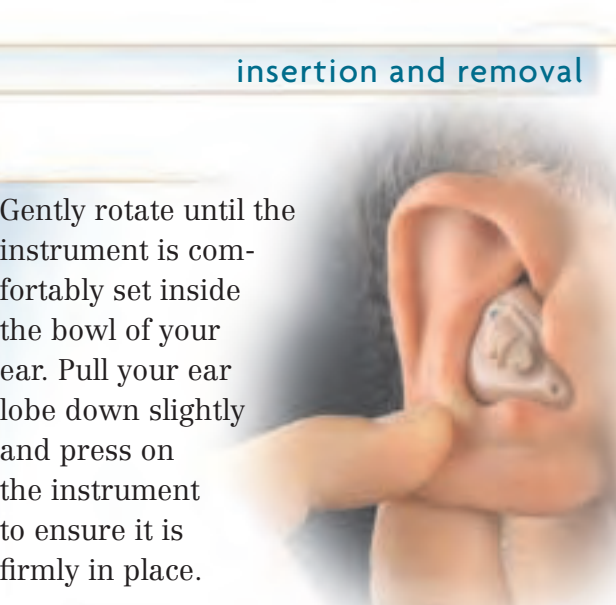
To help prevent the accidental ingestion of batteries, keep them out of the reach of children.

Always check your medication before ingesting - batteries have been mistaken for tablets.


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



Before placing the Gemini ITE into your ear, make certain the battery is inserted properly and the battery door is closed securely.




Gently rotate until the instrument is comfortably set inside the bowl of your ear. Pull your ear lobe down slightly and press on the instrument to ensure it is firmly in place.



To insert, hold the instrument between your thumb and forefinger with the volume control toward the bottom of your ear. The battery compartment should be facing away from your ear canal. Then gently insert the instrument into your ear canal.

To remove your ITE, grasp the instrument with your thumb and forefinger, and gently rotate it as you pull outward.

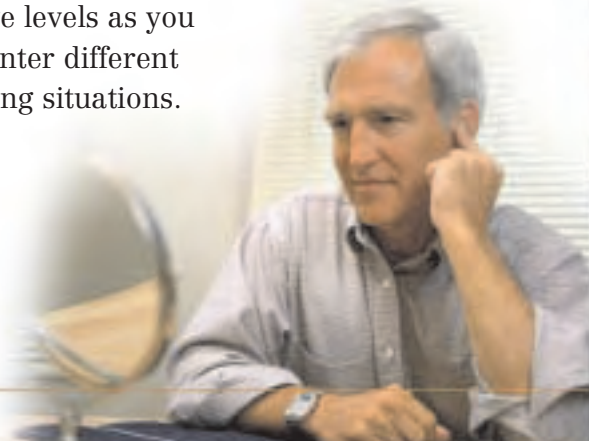
 **NEVER** use the battery compartment door to pull the instrument out! Damage may occur as it is not designed to withstand the pressure of pulling.



Your Gemini ITE is “on” anytime a functioning battery is properly placed in the compartment, and the battery door is closed.

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

The volume control enables you to adjust the amount of amplification provided by the instrument. You may wish to change levels as you encounter different listening situations.



To change the sound level, use your fingertip to operate the rotary volume control. To make the sounds louder, rotate the control forward, toward your face.



To make sounds softer, rotate the volume control backward, toward the back of your head.

When the instrument is “on,” you may occasionally hear a whistling noise known as feedback. It is caused by amplified sounds escaping from the ear and reflected by your hand into the instrument’s microphone. It should cease when you move your hand.

If feedback persists after the instrument has been inserted correctly, contact your Hearing Professional.

Gemini multimemory ITEs let you switch between two settings to compensate for different listening environments. When the battery is inserted, your instrument is most likely programmed for normal listening situations like one-to-one conversations.

Switching the multimemory button changes the program to the second setting, which your Hearing Professional has likely preprogrammed for your specific hearing needs. Switching the button again returns you to the first setting.

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Many of life’s important activities involve learning. Although not always easy, learning combines desire, practice and a belief that if you keep trying, success and enjoyment will eventually occur.

This is true of your hearing. When you were young, you learned how to listen. Your brain learned to focus on specific sounds and concentrate on voices, even in the midst of many other noises. As your hearing gradually diminished, so did that ability to select sounds.

Now with the help of your hearing instrument, you’re about to relearn the selective hearing process. Just as the battery is your hearing instrument’s power source, a positive attitude is your brain’s “power source” for learning.

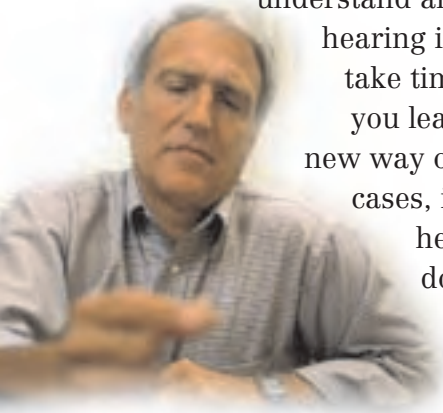


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Hopefully, your hearing instruments will be extremely effective - so much that you become dependent upon them. However, hearing aids will not restore normal hearing and will not prevent or improve a hearing impairment due to organic conditions. So don't judge their effectiveness too soon.

Likewise, others' experiences with hearing instruments - good or bad - have no bearing on your success and shouldn't affect your attitude.

Also, don't assume that you will hear and understand all speech with your hearing instruments. It will take time and patience as you learn to adapt to this new way of hearing. In most cases, inconsistent use of hearing instruments does not permit you to attain full benefit from them.



Hearing is only one part of how we exchange thoughts, ideas, and feelings. Effective communication combines listening, understanding, attention, concentration, interest, and visual, or non-verbal cues.

You may have relied on these ever-present cues as your hearing loss gradually impaired your understanding of speech. Now, they are equally important as you learn to hear with hearing instruments. Reading the lips, facial expressions and gestures of others can enhance the learning process, and supplement what amplification alone may miss.

If necessary, your Hearing Professional may provide additional auditory training and lip-reading assistance.





Your instruments and their controls are smaller than most other regularly handled items. It is expected that changing batteries, inserting, removing, and adjusting your instruments are new experiences that will take some practice to perform correctly.

Minor irritation and inflammation may occur as your ear becomes accustomed to having an object in it. This is normally caused by pressure from the shell on a particularly sensitive area, and may easily be corrected through trimming and polishing by your Hearing Professional.

If an actual allergic reaction occurs, alternative coatings and shell plastics are available. Severe reactions, discharge from the ear, excessive wax, or other unusual conditions warrant immediate consultation with a physician.

From the moment you get them, it may be tempting to wear and use your hearing instruments constantly. However, this can lead to discomfort, fatigue, and disappointment - all factors that can prevent successful learning.

The level and complexity of sound environments 'out in the real world' make it a less than ideal place to hear in, even if you had normal hearing. It is best to begin your instrument usage gradually, until it is fully integrated into your daily life. The amount of patience and practice – combined with a positive attitude – will most likely determine the degree of success.



## start in quiet, familiar places



At first, use your instruments only in familiar, quiet surroundings, where you can identify and locate simple background sounds - running water, doors closing, birds singing - that you may not have heard for awhile.

Other sounds, like your own voice, will sound different. In the same quiet environment, practice listening to and conversing with someone facing you, who has a familiar voice and understands your needs.

Don't be alarmed if you can't immediately understand everything. A low, comfortable volume level is preferable as you adapt to the new sound quality, even if you occasionally miss soft sounds or parts of conversation.

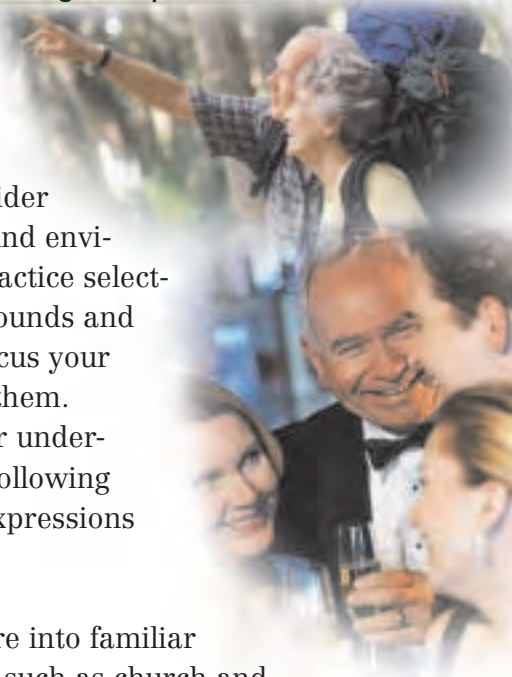


## focusing on specific sounds

As you wear your instruments in a wider variety of sound environments, practice selecting specific sounds and voices and focus your attention on them. Enhance your understanding by following non-verbal expressions and gestures.

As you venture into familiar public places such as church and meetings, sit reasonably close and within easy visual distance of those speaking.

Because every area has its own sound characteristics, you may need to try different locations for the best results.

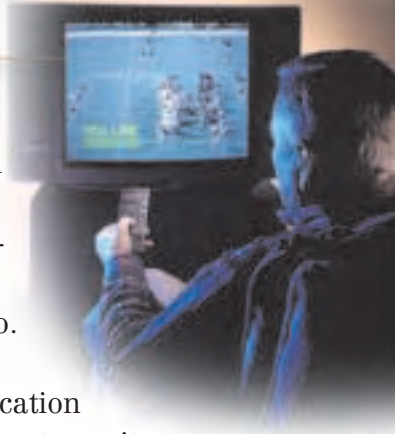


## hearing the television and radio

The use of music, sound effects, and its overall pace, can make TV viewing with hearing instruments take a little longer to get used to.

Depending on the fidelity and sophistication of your TV's sound system, sit eight to ten feet in front of the screen with the TV volume set to a normal, comfortable level for others.

Adjusting to the radio will depend on the environment in which you're listening, and whether it is an AM or FM station. It will likely be more difficult to fully understand an AM station while riding in an automobile, than an FM station playing on a larger sound system in your home.



## using the telephone

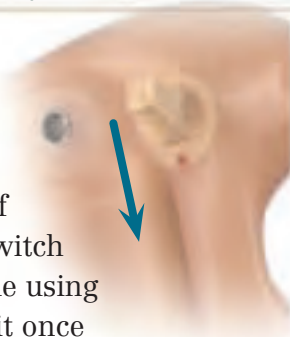
Effective telephone use with hearing instrument(s) varies with the amplifier in your CE. Your hearing professional can provide the best techniques for your specific instrument. If wearing one instrument, you may find your unamplified ear adequate for phone conversations.

If you are wearing two instruments, or prefer listening with your amplified ear, your CE may work best by holding the phone against your ear as you normally would.

Some models work best by holding the phone close, but not fully covering your ear. If you encounter feedback, tilt the phone receiver at an angle until the whistling stops. Experiment to find the best positioning.

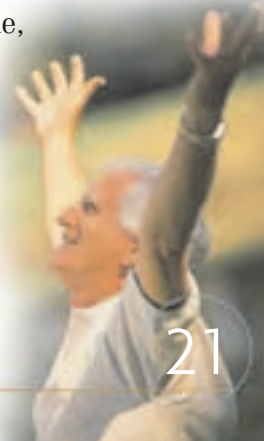


Some instruments may be equipped with a telephone pickup system and switch. If so, you'll have to turn the switch "on" toward the red dot while using the phone. Be sure to reset it once your phone conversation has ended.



In a few weeks, you will probably be able to use your instruments all day without fatigue or tension. Hopefully, you'll be like many who find themselves "forgetting" that they are even wearing a hearing instrument. Even so, be careful not to over-practice. If you find yourself becoming tired, nervous, or irritated, don't hesitate to rest for awhile by turning your instruments off and/or removing them.

- Better hearing with hearing instruments is a learned skill combining desire, practice and patience.
- It is important to develop realistic expectations of what your hearing instruments can and cannot do.
- Hearing is only one part of your total communications process.
- Begin wearing your instruments gradually, first in quiet, familiar surroundings.
- Practice focusing on specific sounds, using both verbal and non-verbal cues.
- Over-practice can cause fatigue, tension, and disappointment. Rest when necessary.



Many people initially treat hearing problems as an individual matter, something that can be dealt with by themselves. But because communication involves more than just one person, so too does the impact of your impairment.

Constant requests to repeat, louder TV volume levels, and shifts in behavior are elements of hearing loss that those around you must live with and accommodate.

The continuing understanding and support of family and friends are crucial as you pursue improved hearing and communication. Perhaps they have already demonstrated their willingness by encouraging you to seek help.

While you are adjusting to the acoustic part of amplification, family and friends can help you with the many psychological and emotional needs that accompany the transition.



There is a tendency for those around you to speak loudly—especially if it is how they previously communicated with you. With your hearing instrument(s) on, a loud voice can actually make understanding more difficult, if not more irritating.

Now that the hearing instruments provide the amplification, others should speak clearly at a normal level, without rushing or slurring their words. Be sure they have your full attention before they begin speaking. It's often preferable to rephrase rather than repeat the same words over and over, as you may find it easier to understand different words.



Many people unconsciously create distractions as they speak. Talking with their mouths full, hands covering mouths, as well as unexpected, sudden head and body movement all make it harder to understand. Make certain you can see their faces, expressions and gestures clearly as they speak to you.

Background sounds can be distracting as well. As you are learning to select and sort specific sounds, it is wise not to attempt conversations while watching the TV, for example.



There are times when hearing may be even more difficult. When you are tired or aren't feeling well, it's likely that you won't hear or understand as well, either. This is when the patience and understanding of others are especially appreciated.

Everyone adjusts to hearing instruments and develops listening skills at their own pace. The common sense and attitudes of your family and friends are as important as the instruments themselves. Their encouragement and support gives you a significant advantage as you become reacquainted with the world of sounds.





Remember that most people don't know you, and cannot "see" your hearing problem. There are ways of non-verbally encouraging others to face you when speaking and talking more slowly. Most won't mind helping you, but you have to let them know what you need. The way you ask – verbally or non-verbally – determines how they respond.

- Your family and friends are equally affected by your hearing problem.
- Be sure others have your full attention and you can see their faces when they speak.
- Have them speak normally, naturally, and clearly - rather than louder.
- Rephrase rather than repeat word for word if you don't initially understand what is said.
- Don't hesitate to ask others for help - their support and encouragement are just as important as your desire to improve.





Your hearing instruments represent the ultimate in miniaturized sophistication - especially when you consider the environment they must function in. Heat, moisture, and foreign substances can accumulate and degrade performance, or interrupt operation entirely.

Proper preventive care and maintenance will go a long way ensuring trouble-free performance of what is a significant hearing investment. This includes daily cleaning on your part, as well as regular comprehensive examinations by your Hearing Professional.



When not wearing your ITE, turn it off and open the battery compartment door to prevent excessive reduction of battery life. An instrument left "on" can produce feedback that might attract curious pets - possibly resulting in hearing instruments chewed beyond repair.

For similar reasons, it is best to store your instruments where you can easily find them, but safely out of reach of pets and children. It is not nearly durable enough to survive being used as a toy or snack.

If your instrument(s) will not be used for an extended period of time, remove the battery completely, place the instrument(s) in the pouch and store in a cool, dry place away from direct sunlight or heat.



A brush may be provided to help you keep your instrument clean. Use it daily to remove earwax or other particles that may have accumulated around the canal, volume control and battery compartment. A careful brushing accompanied by gentle wiping with a soft cloth will keep it clean. Never use solvents, cleaning fluids or oil to clean your instrument.

It is a good idea to perform all cleaning and battery changes above a soft cloth or towel on a desk or table. This will keep the instrument from potentially damaging falls to hard surfaces if you drop it.



Your instruments may be so comfortable that you forget you have them on. So develop the mental habit of checking your ears before going swimming, taking a shower or applying hair spray. And do the same with pockets of clothing before they are washed.

Should it get wet, do not attempt to dry your instrument in an oven, microwave or with a hair dryer - the heat will most certainly damage it. Instead, 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.



If, for any reason, an instrument fails, do not attempt to fix it yourself. Not only does it likely violate any applicable warranties or insurance, you could easily cause extensive damage.



Should your instruments fail or perform unsatisfactorily, first check the guide on the next page for possible solutions. If problems persist, your Hearing Professional is the person to contact for assistance. Even if you are away from home, most professionals are willing to help. They are able to solve many common problems right in the office. If you are uncertain who provides service in your area, write to the address shown on page 37.

**Symptom:** Dead

**Cause:** Depleted battery

**Solution:** Replace battery

**Symptom:** Dead

**Cause:** Blocked receiver tube

**Solution:** Clear tube blockage

**Symptom:** Dead

**Cause:** Defective instrument

**Solution:** See your Professional

**Symptom:** Not loud enough

**Cause:** Low battery

**Solution:** Replace battery

**Symptom:** Not loud enough

**Cause:** Blocked receiver tube

**Solution:** Remove blockage and clean

**Symptom:** Not loud enough

**Cause:** When was hearing last checked?

**Solution:** See your Professional

**Symptom:** Inconsistent performance

**Cause:** Low battery

**Solution:** Replace battery

**Symptom:** Unclear, distorted performance

**Cause:** Low battery

**Solution:** Replace battery

**Symptom:** Unclear, distorted performance

**Cause:** Defective instrument

**Solution:** See your Professional

- Proper care and maintenance can help ensure trouble-free operation.
- When not in use, store your instrument in a safe place, away from medications, pets and children.
- Never allow liquids to enter the instrument - internal damage will likely occur.
- Keep instruments away from excessive heat and direct sunlight.
- Avoid dropping your instruments - perform cleaning and battery changes over close, soft surfaces.
- Never permit cleaning solvents, hair spray or perfume to come into contact with instruments.
- Do not attempt repairs - always consult your Hearing Professional for service.



Be assured that, together with your Hearing Professional, we are prepared to do all that we can to help achieve the highest possible level of hearing satisfaction.

Even if it's when you visit for batteries, be sure to have regular, periodic examinations of both your hearing instruments and your ears. Both are subject to constantly-changing factors that can significantly impact our efforts to provide better hearing.

You may have friends and relatives who also experience hearing difficulty. Encourage them to have their hearing tested by the Hearing Professional listed on your warranty card.

No one should neglect their hearing, especially as more people may benefit from today's new hearing technology.

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.

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

**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 evalua-

tion 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.

**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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