

RANGER-8700



USER GUIDE

My eartip size: _____

My battery size: 312 (brown tab)

 **HearingHelp** *express* 1-800-221-2099
an IntriCon company

PO Box 586 • DeKalb, IL 60115 • HearingHelp.com

WELCOME TO HEARING HELP EXPRESS!

Congratulations on your choice of the Ranger-8700 hearing aid to help you on your journey to improved hearing. We're confident you'll enjoy all the benefits the Ranger® has to offer, especially knowing you saved thousands of dollars without sacrificing hearing improvement.

Put your Ranger®-8700 to the test and find out if it's right for you. We only ask that you read these instructions to help you get the most hearing improvement and to make the most of your 45 day home trial.



For your better hearing.

Your Hearing Support Team

Remember, we're here to help. If you have questions or need help with your Ranger-8700 hearing aid, call toll-free.

Call: **1-800-221-2099** (Mon - Fri • 7:30 am - 5 pm CST)
or email us at: support@hearinghelp.com

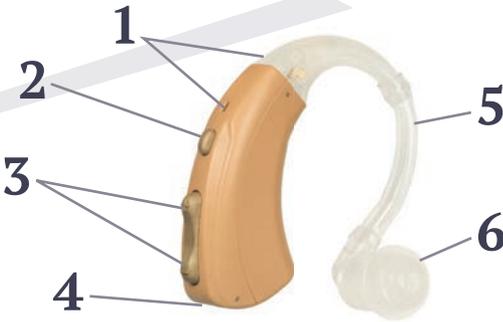


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PARTS IDENTIFIED

Get to know your Ranger-8700



- 1. Microphone and Receiver
- 2. Program button
- 3. Rocker volume Control
- 4. Battery Holder
- 5. Tubing
- 6. Eartip

Serial number: located on the outer casing of hearing aid

On: With a battery installed, close the battery door to turn the Ranger on.

Off: Open the battery door to turn the Ranger-8700 off.

EARTIP AND TUBING INFORMATION

Your Ranger hearing aid comes with a selection of silicone eartips and a pre-cut and full-length elbow joint tubing.



PRE-CUT elbow joint tubing



FULL-LENGTH elbow joint tubing

The fit of your hearing aid is very important. Try the different sizes of eartips until you find one that is secure and comfortable.

BATTERY INFORMATION



Your Ranger-8700 uses a **size 312 (brown tab) zinc-air battery**



Hearing Help Express offers a variety of premium battery brands.

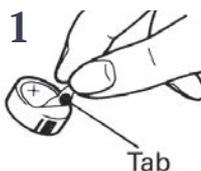
ECO-GOLD MAX – Budget friendly favorite

POWER ONE – Longer tabs - easier to insert

RAYOVAC – Trusted Brand since 1930

• Long-lasting power! • Guaranteed fresh! • Free shipping!

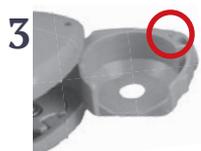
INSERTING THE BATTERY



1 Remove the brown colored tab from the flat, (+) positive side of the size 312 battery. **Wait one minute for battery to reach full power before using (or testing) battery.**



2 Open battery holder gently, using your fingernail or thumbnail. Pull out on the small lip of the battery holder located on the lower part of the Ranger-8700.



3 Locate the + symbol on the inside top rim of the battery holder. This indicates that the flat, positive side of the battery should face up in the same direction as the + symbol.



4 Place the battery in the battery holder – **NOT directly inside the Ranger.** Fit the battery in the holder with the flat, positive (+) side facing up.



Try using the battery magnet located on the end of the enclosed cleaning tool.

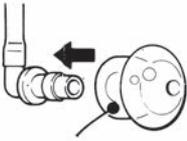
5 Close the battery holder. **NEVER force the battery holder closed.** If the holder does not close easily then the battery is probably upside down.

LOW BATTERY INDICATOR – When the battery is no longer strong enough to power your Ranger-8700, you will hear a voice prompt say “low battery”. When the battery is no longer strong enough to power your Ranger-8700, you will hear a voice prompt say “replace battery”.

HEARING AID BATTERY TIPS

- Never store batteries in the refrigerator. Store them in a dry place at room temperature.
- Keep your batteries in the packaging until you’re ready to use one. Loose batteries can short out if they come in contact to anything metallic, like another battery or your keys.
- When removing the tab from a new battery, simply stick the tab on your calendar for an easy way to keep track of how long your batteries are lasting!

HOW TO ATTACH / REMOVE THE EARTIP



ATTACHING THE EARTIP: Push the flat end of the silicone eartip securely onto the firm, plastic elbow joint at the end of the tubing.

REMOVING THE EARTIP: Hold the eartip between two fingers and grasp the elbow area of the tubing and pull the two parts away from each other.

Attention: Make sure eartips are securely attached to the tubing before using so they do not come off in your ear.

The fit of your hearing aid is very important. Try the different sizes of eartips until you find one that is secure and comfortable.

If the pre-cut tubing that is attached to your Ranger hearing aid is too short or too long, follow the directions below using the full-length elbow joint tubing enclosed.

HOW TO MEASURE AND ATTACH THE FULL-LENGTH TUBING

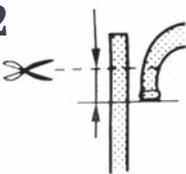
1



Put eartip and Ranger in place.

Place the eartip with attached tubing in your ear and the hearing aid over your ear.

2



CUT OFF EXTRA TUBING

Observe where the tubing overlaps the earhook and mark the tubing leaving an $\frac{1}{8}$ to $\frac{1}{4}$ inch overlap. **Cut off extra tubing.**

3



Attach tubing to earhook.

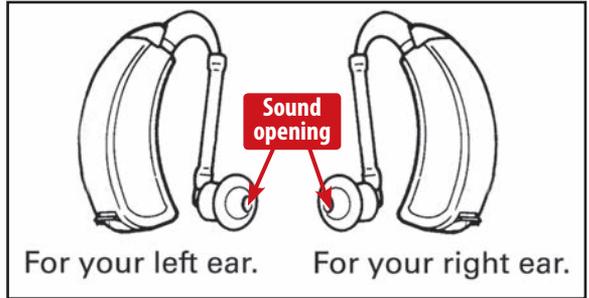
Insert the tip of the earhook into the tubing. If it is hard to insert, warm the tip of the flexible tubing with hot water.

WHICH IS LEFT AND RIGHT

How to tell your right aid from your left aid:

Your Ranger-8700 hearing aid can be used on either ear. Once you have attached your eartip or custom earmold your hearing aid is set for either your right or left ear. Compare your hearing aid to the picture below. The sound opening on the eartip will “point” away from the Ranger hearing aid.

- **Left ear:** sound opening “points” right
- **Right ear:** sound opening “points” left



INSERTING AND REMOVING

How to insert the Ranger-8700:

1. Hold the tubing behind the eartip and insert into your ear.

If using a custom earmold, make sure it is correctly positioned in your ear. The top and bottom of the earmold should fit securely.

2. Place the Ranger behind your ear by slipping it over the top of your ear.

Some people prefer to first place the Ranger over their ear and then insert the eartip. Experiment and find what works best for you.



To Remove the Ranger-8700:

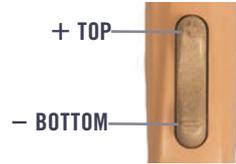
Reverse steps 1 and 2 when removing your Ranger-8700 hearing aid.

ATTENTION: Confirm the eartip is attached to the tubing each time you remove it from your ear. If the eartip remains in your ear, seek medical assistance.

ADJUSTING THE VOLUME CONTROL

Volume Control: Your Ranger-8700 is equipped with a rocker control that allows you to select your listening volume.

Increase the volume: Repeatedly push the top end of the rocker control (marked with a +). There are 5 volume levels (you will hear a single beep at each volume level). Once the highest volume level is reached you will hear a voice say “maximum volume”.



Decrease the volume: Repeatedly push the bottom end of the rocker control (marked with a -). You will hear a single beep at each volume level.

You have a "smart" Felix-8700 – Each time you turn your Felix-8700 on, it will be on the volume level you were using when you turned it off.

CHOOSING YOUR PROGRAM SETTING

Program Control: Your Ranger-8700 is equipped with a push button program control (located above the rocker control).

Press and hold the program button for about 2 seconds until you hear a voice prompt say “program 1”, “program 2”, “program 3” or “program 4”.



Program Setting 1: Normal setting – use in most listening situations.

Program Setting 2: Noise setting – reduces the amount of low frequency amplification. Often helpful in noisy situations.

Program Setting 3: Whistle reduction setting – Use if your Ranger-8700 whistles or if sounds seem too sharp or tinny.

OPTIONAL TELEPHONE SETTING

This can be installed in addition to any of the program settings listed above.

Program Setting 4: Telephone setting – Use when talking on the telephone or with a loop system. Hold the receiver near the hearing aid a little above your ear. You will only hear sounds from the telephone or loop system.

CARE AND CLEANING

It's important to clean your Ranger hearing aid regularly. Without regular cleaning, wax and moisture can build up and prevent the hearing aid from working properly. It's best to clean your Ranger-8700 in the morning before you use it.

How to clean your Ranger-8700:

1. Wipe off the outside of the Ranger hearing aid and the eartip with a soft cloth. Eartips can be replaced when necessary.
2. If wax or debris remains, use a small soft cleaning brush to gently remove it.



IMPORTANT CARE INSTRUCTIONS

BEGINNING THE DAY: After showering, apply all lotions, creams, hairspray, perfume and cologne BEFORE putting on your Ranger-8700s.



Water and such sprays can damage hearing aids. And please remember, your hearing aids are sensitive and don't like extreme heat or cold. Never place your Ranger-8700 in water. If it becomes wet, immediately remove the battery and let your Ranger stand in a dry place or DryAid dehumidifier for several hours. NEVER use heat (blowdryer, oven, microwave, etc.) to dry your Ranger.

AT THE END OF THE DAY: Open the battery door when not wearing your hearing aid. Any moisture inside your hearing aid can then evaporate, extending the life of your Ranger-8700. With the battery door open, you can be assured your hearing aid is off and not squealing. A squealing hearing aid can attract pets which have been known to chew on hearing aids and damage them beyond repair. Even better, remove the battery and store your Ranger-8700 overnight in a DryAid dehumidifier.

TROUBLESHOOTING YOUR RANGER-8700

If your hearing aid is: WHISTLING (FEEDBACK)

- 1 Your Ranger-8700 may briefly whistle when a hand, hat or other object is near it or when inserting and removing.
- 2 Turn the volume down, it may be set too high (pg. 7 or pg. 8).
- 3 Check that your eartip is inserted correctly (pg. 6).
- 4 Try a different size eartip (pg. 5) or call customer service for other options.
- 5 Verify that the tubing is attached correctly and is in good condition. If the tubing is damaged, it should be replaced (pg. 5).
- 6 Try a fresh battery.

If your hearing aid is: WEAK, DISTORTED, DEAD

- 1 Check that the battery is inserted correctly (pg. 4).
- 2 Try a fresh battery.
- 3 Clean your Ranger-8700, microphone ports, and eartip (pg. 8).
- 4 If your Ranger-8700 goes dead periodically, but comes on after several hours of rest, the problem may be a build-up of humidity. Try storing it in a DryAid dehumidifier when not in use.

SERVICE

If your Ranger-8700 requires service, send it to:

Hearing Help Express • PO Box 586 • DeKalb, IL 60115-0586

- 1 Call 1-800-221-2099 for authorization before returning your hearing aid for repair.
- 2 Enclose a note with your name, address, phone number and a description of what is wrong with your device.
- 3 Pack your device securely in a sturdy box. Do not mail your hearing aid in an envelope, it could be destroyed during shipment. We recommend insured mail for your protection.

PROTECT YOUR HEARING INVESTMENT



Protection Plan – worry-free hearing aid repairs or replacements!

One and two year plans available (call for pricing).

- **Get PROTECTED** - If your hearing aid gets wet, is dropped or even stepped on, we'll fix or replace it free of charge for the term of the plan (loss or theft are not covered).
- **Act Now!** - The optional Protection Plan is available for purchase for up to 90 days from the shipment date of your hearing aid(s).
- **Comprehensive Coverage** - This plan goes above and beyond the limited manufacturer's warranty. We will repair any damage or send a replacement hearing aid if we can't fix it at no charge to you.
- **Simple Process** - Call ahead to get authorization to send us your broken aid. Once received, we will diagnose, repair or replace it in just a few days. Loaner hearing aids are available for \$15 each.



Cleaning Care Plan – Get the MOST out of your Hearing Aids (\$149.99 each)

- **Maintain Optimal Hearing Performance** - Today's hearing aids are filled with sensitive electronics to give you the best experience possible. Over time, earwax and moisture can tamper with those electronics and the performance of your aids may suffer. Choose this plan to have your aids cleaned and serviced by our team of in-house technicians.
- **Extend the Lifetime of Your Aids** - This plan covers you for one year and offers up to four cleaning services. Our customers who have their hearing aids cleaned by our technicians replace their hearing aids less frequently than those who do not.
- **Our Process** - Up to 4 times per year we'll send you loaner hearing aids with prepaid postage to send your aids to us for service. Your hearing aids will be professionally cleaned, tips and tubing will be replaced if necessary. Once the service is complete we'll return your hearing aids in another prepaid box and you mail the loaner aids back to us. It's that simple.

Precautions: A hearing aid is a precision electronic device and as such, it requires the care in use and handling that you would afford any fine piece of equipment. The following precautions are not meant to discourage normal use of your hearing aid, but are suggested to insure quality performance and long life from your hearing aid.

Do not drop or throw your hearing aid, as this may damage internal components. Do not expose your hearing aid or batteries to excessive heat, such as from stove tops, hair dryers, heat lamps or your automobile rear shelf or glove compartment. Do not immerse your hearing aid in water or other liquids, or wear it while bathing, showering or swimming. If your hearing aid is to be stored for any length of time, be sure to remove the battery and store both in a cool, dry place. Your hearing aid has been constructed from the finest materials, using the latest engineering technology; however, in rare instances, an individual may exhibit signs of skin irritation, allergic reaction, or accelerated accumulation of cerumen (earwax). If this occurs, consult your physician.

Keep new and used batteries out of reach of children and those with diminished mental capacity. Batteries, if consumed, can be harmful. Consult your physician immediately and call the National Battery Hotline collect (202) 625-3333.

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 device 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.

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:

Warning Signs:

- 1. Visible congenital or traumatic deformity of the ear.***
- 2. History of active drainage from the ear within the previous 90 days.***
- 3. History of sudden or rapidly progressive hearing loss within the previous 90 days.***
- 4. Acute or chronic dizziness.***
- 5. Unilateral hearing loss of sudden or recent onset within the previous 90 days.***
- 6. Audiometric air-bone gap equal to or greater than 15 decibels at 500 Hz, 1,000 Hz and 2,000 Hz.***
- 7. Visible evidence of significant cerumen accumulation or a foreign body in the ear canal.***
- 8. Pain or discomfort in the ear.***

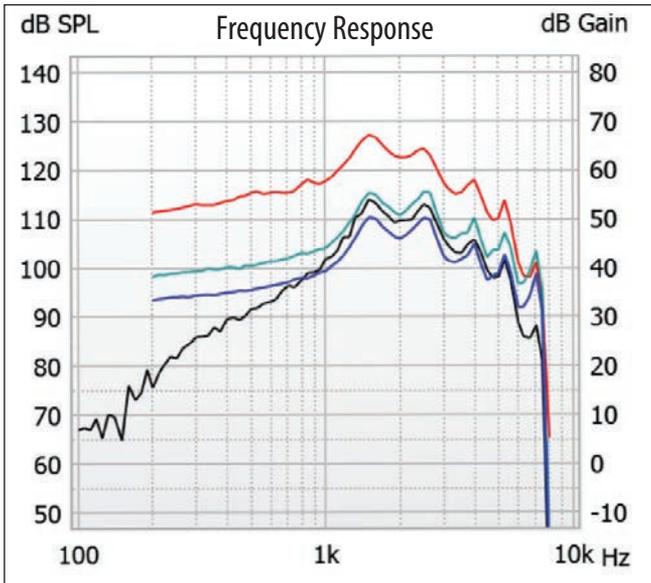
NOTE: Special care should be exercised in selecting and fitting a hearing aid whose maximum sound pressure level exceeds 132 decibels because there may be a risk of impairing the remaining hearing of the hearing aid user.

Hearing with Your New Amplification The world will seem noisier at first, but in time, you should become accustomed to your new listening experiences, learn to hear speech more clearly, and enjoy many of the special sounds you may have been missing. Obtaining maximum benefit from your new hearing aid(s) requires effort and practice on your part. Your new hearing aid(s) will not restore normal hearing and will not prevent or improve hearing impairment resulting from organic conditions. In most cases, infrequent use of the hearing aid(s) will not permit you to obtain full benefit from it. Follow the program recommended by your hearing professional. The use of your hearing instrument(s) is only part of your hearing rehabilitation, and you may need supplemental auditory training and instructions in lipreading.

RANGER-8700 TECHNICAL INFORMATION

Maximum SSPL90.....	127.2 dB
HFA SSPL90.....	122.98 dB
HFA full-on gain.....	51.5 dB
Reference test gain.....	46.6 dB
Frequency range.....	200 Hz to 7538.7 Hz
Equivalent input noise.....	21.5 dB SPL
Total harmonic distortion.....	500 Hz: 3.1%, 800 Hz: 3.3%, 1600 Hz: .2%
Attack time (msec).....	4.0
Release time (msec).....	56
Induction coil sensitivity (with optional t-coil).....	109.3 dB SPL
Battery type and current.....	size 312 (brown), 1.17 mA
Battery life.....	approx. 150 hours
Dimensions.....	1.33 x .57 x .32 inch

TESTING DIAGRAM



- Saturation Output Curve — Frequency Response Curve
- Full-on Gain Curve — Telecoil Frequency Response

HELPFUL ACCESSORIES

All prices subject to change.

Eartips – Eartips come in five different sizes. You can improve the fit by using a different size eartip. Eartips should be cleaned and/or replaced when necessary.



- small (S)**.....#88581.....\$2.50
- medium-small (MS)**...#88582.....\$2.50
- medium (M)**.....#88583.....\$2.50
- medium-large (ML)**...#88584.....\$2.50
- large (L)**.....#88585.....\$2.50

SAVE!
3 of any size for only \$5.95



SAVE!
3 for only \$5.00

Replacement Elbow Joint Tubing

Elbow joint and tubing attaches to eartip and hearing aid.

- PRE-CUT** Elbow Joint Tubing, #88573.... \$2.00 ea
- FULL-LENGTH** Elbow Joint Tubing, #88571.. \$2.00 ea

Improve your Ranger with a custom earmold

- ✓ *Reduce feedback (whistling)*
- ✓ *Reduce stuffed up feeling*
- ✓ *Reduce talking-in-barrel sound*
- ✓ *Improved fit and comfort*

Making your earmold is easy.

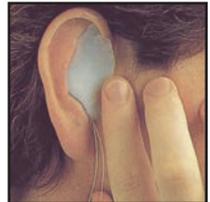
Step one: We'll send you a kit with materials and complete instructions so you or a friend can make your ear impression. (If you have had ear surgery or ear damage or if you have an unusual ear canal, have your doctor assist you.)

Step two: It's easy – over 100,000 people have made their own impression at home. Impression material sets up in minutes and easily can be removed from your ear. Of course, if you have any questions we're always happy to help.

Step 3: Mail your ear impression to us and we use it to make your custom earmold. You can expect to receive a finished earmold in about two weeks.

There's a refundable \$19 charge for the impression kit that will be credited in full when you return your impressions.

- | | <u>Hard Lucite</u> | <u>Soft</u> |
|------------------------|--------------------------|-------------|
| 1 earmold | #88421.....\$79.99..... | \$89.99 |
| 2 earmolds | #88435.....\$159.98..... | \$179.98 |



Making an Impression



Soft & Hard Earmolds



Wearing an Earmold

HELPFUL ACCESSORIES

Itchy ears? Here's the solution! ProEar by MiraCell helps relieve itchy, irritated ears! It has mild antibacterial, anti-fungal and anti-yeast properties. MiraCell is a safe, all-natural solution. Use it without worry to maintain healthy, itch-free ears. (1/2 ounce bottle)

ProEar by MiraCell Ear Solution, item #88851.....\$14.99



Protect your hearing aid – Remove harmful moisture from your hearing aid with the Best Value DryAid dehumidifier. Even a little moisture can attack sensitive electronics in hearing aids and needlessly shorten their life. Prevent damage. Store your hearing aid in a dehumidifier overnight.

Best Value DryAid, item #88742.....\$16.95

Battery Care Kit – This helpful kit includes a digital keychain battery tester, a battery caddy so you can carry extra batteries with you, and a magnet stick that makes inserting and removing tiny hearing aid batteries much easier.

Battery Care Kit, item #25101.....\$24.99



Easiest-to-Use Battery Tester



Put your mind at ease... test your hearing aid battery and you'll know for sure if it has enough power to run your hearing aid. Simply place your battery in the appropriate size slot, squeeze the blue bar and color coding indicates the remaining power.

Activair Battery Tester, item #88776.....\$27.99

HELPFUL ACCESSORIES

Easy-to-use cleaning tools

Hearing aids will last longer if you clean them regularly. Make daily cleaning easy with premium cleaning tools. Brush is larger so it fits comfortably in your hand. More bristles makes cleaning your hearing aid a quick task. Handy magnet that makes it easier to pick up batteries. The wax loop helps remove grime from hearing aid crevices. Specialty cleaning pin for slim-tubing.



Specialty BTE Cleaning Kit, item #88532.....\$13.99



Disinfectant towelettes – Clean and disinfect your hearing aids with this handy pack of Tech-Care Clean Wipes. Ultra fabric wipes are premoistened with a hospital grade disinfectant. Alcohol-free and safe to use on all hearing products. *(36 wipes per container)*

Tech-Care Clean Wipes, item #88534.....\$9.95

BTE Hearing Aid Life Extender Kit

Best-value BTE accessory kit:

- Best Value DryAid Kit hearing aid dehumidifier
- 36 Tech-Care Hearing Aid Wipes
- 20 NANOCLEAN fine-instrument cleaners
- Cleaning Tools - large brush, small brush with battery magnet, and a specialty cleaning tool

BTE Hearing Aid Life Extender Kit, item #25102..... \$45.00



Order Risk-free! Try any Hearing Help Express accessory for 30 days risk-free. If you're not 100% satisfied, return all materials within 30 days from the date of delivery, and we'll refund 100% of your purchase price.

YOUR MONEY-BACK GUARANTEE FROM HEARING HELP EXPRESS®

Your 2-way assurance of complete satisfaction

45-Day, Risk-Free Trial Money-Back Guarantee

Try your Hearing Help Express® Ranger®-8700 hearing aid for 45 days risk-free. If you are not 100% satisfied, simply return all materials within 45 days from the date of delivery, and we will refund any money paid towards the purchase price. You are responsible for the safe return of all materials in their original condition. Ship insured mail.

One Year Limited Manufacturer's Warranty

Your Ranger-8700 hearing aid is warranted for one year against defects in manufacturer's materials and workmanship. That means if they didn't do a good job making your hearing aids then we're going to fix them. For service, you must send your Ranger-8700 to Hearing Help Express for this warranty to apply. Ship insured mail.



PROVEN QUALITY

100% Digital American-Made Technology



MEDICAL GRADE HEARING AID

FDA-Listed • Doctor Designed • Audiologist Approved



HH.498-210513

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