

 $ReSound\ LiNX\ Quattro^{\!{}^{\scriptscriptstyle{\mathsf{M}}}}$

User guide

ReSound Receiver-In-The-Ear hearing aids

GN Making Life Sound Better

Hearing aid information

Left hearing aid			Right hearing aid			
Serial number			Serial nu	mber		
Model number			Model nu	umber		
Battery type	□13					
Dome/mould type	Open dome ☐ Small ☐ Medium ☐ Large	Power de Small Mediu		□ Tulip		☐ RIE mould

Program	Веер	Description
1	One beep	
2	Two beeps	
3	Three beeps	
4	Four beeps	

Table of Contents

Introduction	5
Your hearing aid	. ε
How to get your hearing aid ready for use	g
How to place the hearing aids in your ears	. 12
How to remove the hearing aids from your ears	. 17
How to use your hearing aids	. 19
Advanced options	23
How to clean and maintain your hearing aids	31
Wireless accessories	37
Tinnitus Management	39
General warnings	49

Troubleshooting	52
Warnings to hearing care professionals (US only)	54
Regulatory information	57
Technical specifications	63
Hearing aid variants	67
Additional information	68

Introduction

Thank you for choosing our hearing aids. We recommend that you use your hearing aids every daythis way you will fully benefit from them.

NOTE: Read this booklet carefully before you start using your hearing aids.

Intended use

Generic air-conduction hearing aids are wearable sound-amplifying devices intended to compensate forimpaired hearing. The fundamental operating principle of hearing aids is to receive, amplify, and transfersound to the eardrum of a hearing impaired person.

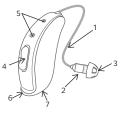
For devices including a Tinnitus Sound Generator module:

The Tinnitus Sound Generator module is a tool to generate sounds to be used in a Tinnitus Management Programme to temporarily relieve patients suffering from Tinnitus. The target population is primarily the adult population over 18 years of age. This product may also be used with children 12 years of age or older.

Your hearing aid

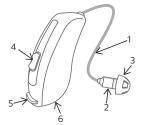
62 model

- 1. Receiver wire
- 2. Receiver
- 3. Dome (a standard dome is shown)
- 4. Multi-function button
- 5. Microphones
- 6. Battery compartment
- 7. Model and serial number (in the battery compartment)



61 model

- 1. Receiver wire
- 2. Receiver
- 3. Dome (a standard dome is shown)
- 4. Push button
- 5. Battery compartment
- 6. Model and serial number (in the battery compartment)



Domes and earmoulds







Tulip dome Power dome Custom earmould

Sports lock

The sports lock has been created to help keep the hearing aids in place for people with an active lifestyle.



How to get your hearing aid ready for use

Battery warnings

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WARNING: Batteries contain dangerous substances and should be disposed of carefully in the interest of your safety and for the environment. Please note:

- 1. Keep batteries away from pets, children and mentally challenged persons.
- 2. DO NOT place batteries in your mouth. Consult a physician immediately if a battery has been swallowed, as they can be harmful to your health.
- 3. Do not attempt to recharge batteries (Zinc-Air) which are not specifically designated as rechargeable because they may leak or explode.
- 4. DO NOT attempt to dispose of batteries by burning them.
- 5. Used batteries are harmful to the environment. Please dispose of them according to local regulations or return them to your hearing care professional.

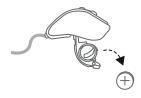
WARNING: Batteries may leak. Remove the battery if you leave the hearing aids unused for longer periods.



WARNING: If the batteries are not inserted correctly, the device will not work and the $rac{2}{2}$ batteries may build up heat. If this happens, please remove the batteries.

How to insert the battery in your hearing aid

- 1. Open the battery door completely by using your fingernail. Remove the used battery if present.
- 2. Prepare the new battery. Remove the protective foil to activate the battery. Wait for **two minutes** before inserting the battery into the hearing aid.
- 3. Insert the new battery with the positive side in the correct position. Always insert the battery in the battery compartment door, never directly into the hearing aid. Close the battery door.







NOTE: Whenever the hearing aids are not in use, remember to turn them off to avoid unnecessary battery consumption.

At night, switch off the hearing aids and open the battery doors completely to allow moisture to evaporate and prolong the hearing aids' lifespans.

If the hearing aids are experiencing frequent loss of connection to wireless accessories, contact your hearing care professional for a list of low impedance batteries.

Low battery warning

When the batteries are low on power, your hearing aids reduce the volume, and play a melody every 15 minutes until they are empty and turn off.

Low battery indicator when paired with wireless accessories (optional)

The batteries drain faster when you use wireless functionalities like direct streaming from your iPhone or streaming sound from your TV with our TV Streamer. When the batteries deplete, the support of some wireless accessories shut down. Full functionality returns when you insert a new battery. The table below shows how the functionality changes with the battery level.

Battery level	Signal	Hearing aid	Remote control	Streaming
Fully charged		✓	✓	✓
Low	•111	√	√	х
Depleted (change battery)	II.	√	х	x

How to place the hearing aids in your ears

How to tell right from left

If you have two hearing aids, they may be tuned differently. One for your left ear, the other for your right. Do not swap them. Please pay attention to this when cleaning, storing and inserting the hearing aids.

You might want to ask your hearing care practitioner to mark your hearing aids with a coloured Left and Right indication: Left is blue and Right is red.

How to insert the earmould

- Hold the earmould between your thumb and index finger and position its sound outlet in your ear canal.
- Slide the earmould all the way into your ear with a gentle, twisting movement. Move the earmould up and down and gently press to place it correctly in the ear. Opening and closing your mouth can ease insertion.
- 3. Place the hearing aid behind your ear and make sure it sits firmly behind the ear. By experimenting, you may discover an easier method. With proper insertion, hearing aids should fit snugly but comfortably.









NOTE: It may be helpful to pull your ear up and outward with your opposite hand during insertion.



CAUTION: Never attempt to modify the shape of the hearing aids, earmoulds, or tubing ✓!\ yourself.

How to insert a receiver dome in your ear

- 1. Hang the hearing aid over the top of the ear.
- 2. Hold the receiver tube where it bends and gently place/push the receiver dome into the ear canal
- 3. Push the dome far enough into the ear canal so that the thin tube lies flush with the head (check with a mirror).









NOTE: If the hearing care professional has provided you with a sport lock on the receiver tube, make sure to position it into the indentation above the earlobe.

To avoid whistling, it is important that the tube and the dome fit correctly into your ear. For other possible reasons, check with the Troubleshooting guide.



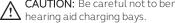
CAUTION: Never attempt to bend or modify the shape of the thin tube.

Sports lock

If you lead an active life, your hearing aids may come loose. To avoid this situation, your hearing care professional can attach and adjust a sports lock to the receiver. The sports lock is available in three different sizes

To insert a hearing aid with a sports lock:

- 1. Insert the hearing aid as usual
- Tuck the sports lock behind the concha.



CAUTION: Be careful not to bend the receiver wires when placing the hearing aids in the



NOTE: Sports locks may become stiff, brittle, or discoloured over time. Contact your hearing care professional regarding replacement of your sports lock.

How to remove the hearing aids from your ears

How to remove the earmould from your ear

- Lift the hearing aid from behind the ear. For a moment, let it hang beside your ear.
- 2. Using your thumb and index finger, gently pull the earmould (not the hearing aid or the tubing) loose from the ear. If your earmould has a removal cord, use it. Remove the earmould completely by gently twisting it.





How to remove the receiver dome from your ear

1. Lift the hearing aid off your ear.



2. Hold the receiver tube with your thumb and forefinger where it bends and pull the receiver dome out of your ear canal.



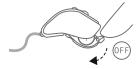
How to use your hearing aids

Turn your hearing aids on and off

Once you have placed the hearing aids on your ears, you can turn them on. The hearing aid always starts in program 1 and with the preset volume.

Close the battery door to turn the hearing aid on Open the battery door to turn off the hearing in program 1. Open the battery door to turn off the hearing aid. Use your fingernail to pull it open.





Smart Start

Smart Start delays the time before the hearing aids turns on after you close the battery doors. With this function you will hear a beep for each second of the delay period (5 or 10 seconds delay).

If you do not want to turn on the hearing aids prior to placing them on your ear, ask your hearing care professional to deactivate this function.

The push button/multi-function button

If you have hearing aids with a push button or multi-function button, this will allow you to use up to four different listening programs, each of them suitable for certain situations.





Program button (61 models only)

Multi-function button (62 models only)

- 1. Tap the program button to switch between programs
- You will then hear one or more beeps. The number of beeps indicates which program you have selected
- 3. When you turn the hearing aids off and then back on, they always return to the default setting (program one and pre-set volume).

It should not be necessary to control the volume manually. However, in addition to controlling listening programs, the multi-function button (62-DRW only) provides you with the ability to adjust the amplification to your liking.

The multi-function button is designed to change the volume or listening programs of the hearing aid, based on different ways it is pressed.

If necessary, your hearing care practitioner can change the default settings for the multi-function button and fill in the following table to indicate the new settings:

Button action	Default setting	New setting
Short press up	Increases volume	
Short press down	Decreases volume	
Long press up (3 seconds)	Changes programme	
Long press down (3 seconds)	Activates streaming	



NOTE: If you have two hearing aids with the Synchronised Push Button enabled, program changes to one hearing aid automatically repeat in the second hearing aid. When you change a program in one hearing aid, it responds with one or more beeps. The same number of confirmation beeps in the second aid follow. This function can also be configured to allow one side to control volume increase and the other side to control volume decrease. The volume changes to one hearing aid are repeated on the other side to keep the levels the same.

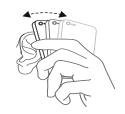
Advanced options

Telephone use

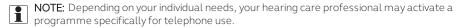
Your hearing aid allows you to use your telephone as you normally do. Finding the optimal position for holding a telephone may require practice.

The following suggestions may be helpful:

 Dependent on your fitting and hearing status, either hold the telephone up to your ear canal or hold it close to the hearing aid microphones as illustrated.



- 2. If whistling occurs, try holding the telephone in the same position for a few seconds as the hearing aid may be able to cancel the whistling.
- 3. Holding the telephone slightly away from the ear can also stop any whistling.



Mobile phones

Your hearing aid complies with the most stringent Standards of International Electromagnetic Compatibility. Any degree of disturbance can be due to the nature of your particular mobile phone

or of your wireless telephone service provider.



NOTE: If you find it difficult to obtain a good result while using your mobile phone, your NOTE: If you find it difficult to obtain a good result. The hearing care professional will be able to give you advice on available wireless accessories to enhance listening capabilities.

How to use your hearing aids with iPhone, iPad and iPod touch (optional)

Your hearing aids are Made for iPhone, iPad and iPod touch, which allow for direct audio streaming and control from these devices



NOTE: For assistance with pairing and using these products with your hearing aids, contact your hearing care professional.

Using your hearing aid with smartphone apps (optional)

Our smartphone apps are intended to be used with our wireless hearing aids. The smartphone apps send and receive signals from the hearing aids via smartphones.

- Do not disable app notifications.
- Install updates to keep the app working correctly.
- Only use the app with hearing aids from the same manufacturer. We take no responsibility if the app is used with other hearing aids.

If you want a printed version of the smartphone app user guide, please go to our website or consult customer support.



NOTE: For assistance with pairing and using these products with your hearing aids, please NOTE: For assistance with paining and dates a contact your hearing care professional or visit our support site.



NOTE: 11 you have a Steel . telephone if you use ReSound Phone Clip+. NOTE: If you have a Bluetooth® enabled Android™ smartphone, you are able to answer the

ReSound Assist (optional)

If you have signed up to use ReSound Assist available with your hearing aids, you can allow your hearing aids to be adjusted remotely without having to go to your hearing care professional: all you need is a smart device with Internet enabled. This allows you to experience unprecedented freedom and flexibility:

- Request assistance remotely to adjust your hearing aids to be a better fit for you.
- Keep your hearing aids up to date with the latest software to ensure the best performance possible.



NOTE: Your hearing aids shut down during the install and update process.

For optimum performance, make sure the hearing aids are connected to the ReSound Smart 3D app and placed close to the iPhone, iPad, iPod touch or the Android smartphone before applying the changes.

This service only works if your smart device is connected to the Internet. Your hearing care professional will provide information regarding this option, and how it works with the ReSound Smart 3D app.





Phone Now

By placing a magnet on the telephone receiver, your hearing aids automatically switch the telephone programme on when the receiver is close to your ear. When you remove the receiver from your ear, the hearing aids automatically return to the previous listening programme.



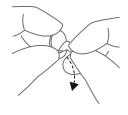
NOTE: Ask your hearing care professional to enable Phone Now as one of your programmes.

Place the Phone Now magnet

Place Phone Now magnet on your telephone receiver to allow operation of the Phone Now function. In order to place magnet properly:

- 1. Clean the telephone thoroughly
- 2. Remove foil from magnet 3. Place the magnet









NOTE: If you are not satisfied with the strength of Phone Now, you can reposition the magnet or add additional magnets.

Prior to placing the magnet on the telephone or cell phone, use a recommended cleaning agent to clean the telephone.

How to use Phone Now

- 1. Lift the telephone to your ear.
- When you hear a short melody, the phone programme is active.



NOTE: You may need to move the telephone receiver slightly to find the best position for reliable Phone Now activation and a good hearing experience on the telephone.

If your hearing aids have enabled the Comfort Phone functionality, the hearing aid on the non-phone ear automatically turns down the volume.

Ask your hearing care professional to enable Phone Now as one of your programmes.

Do not cover the loudspeaker opening with the magnet.

If the programme does not work to your satisfaction, moving the magnet to another position may improve ease of use and comfort while speaking.

If the hearing aids do not switch to the telephone programme every time, you can reposition the magnet or add additional magnets.

Use a recommended cleaning agent.



Phone Now warnings

- If a magnet is swallowed, seek immediate assistance from a medical practitioner.
- Keep magnets out of reach of pets, children and people with mental disabilities. If a magnet is swallowed, please seek advice from a medical practitioner.
- The magnet may affect some medical devices or electronic systems. The manufacturer of any magnetically sensitive devices (e.g. pacemakers) should advise you regarding appropriate safety precautions when using your hearing aid and magnet in close proximity to the medical device or electronic system in question. If the manufacturer cannot issue a statement, we recommend keeping the magnet or a telephone equipped with the magnet 30 cm (12") away from magnetically sensitive devices (e.g. pacemakers).

Flight Mode (optional)

Your hearing aid allows you to control it from your smartphone or Remote Control. However, in some areas you are requested to turn off wireless communication.



When boarding a flight or entering an area where RF transmitters are prohibited, wireless functionality must be deactivated.

Follow these steps to turn off wireless mode:

1. For each hearing aid, open and close (open-close, open-close, open-close) the battery door three times within a 10-second period.

2. Double-dings for ten seconds (תחת etc.) indicate that your hearing aid is in Flight mode.

Follow these steps to activate wireless mode:

- 1. For each hearing aid, open and close the battery door once.
- 2. Your hearing aids are in wireless mode after 10 seconds.



It is important to wait an additional 15 seconds after wireless function resumes before opening and closing the battery compartment again for any reason. Flight mode will resume if you open and close the battery compartment during this 15 second window.

How to clean and maintain your hearing aids

Care and maintenance

Please follow the advice below to have the best user experience and to prolong the life of your hearing aids.

- 1. Keep your hearing aids dry and clean.
- 2. Open the battery door to dry your hearing aids when you are not wearing them.
- 3. Wipe the hearing aids with a soft cloth after use to remove grease or moisture.
- Do not wear your hearing aids when putting on cosmetics, perfume, aftershave, hairspray, suntan lotion, etc. These might discolour the hearing aid or get into the hearing aid causing damage.
- Do not immerse your hearing aid in any liquid.
- 6. Keep your hearing aids away from excessive heat and direct sunlight. The heat may deform the shell, damage the electronics and deteriorate the surfaces.
- 7. Do not swim, shower or steam bathe while wearing your hearing aids.

Daily maintenance

It is important to keep your hearing aid clean and dry. On a daily basis, clean the hearing aids using a soft cloth or tissue. In order to avoid damage due to humidity or excessive perspiration, the use of a drving kit is recommended.

If the microphone inlets are clogged, gently brush across the microphone inlets with a small, clean brush.



WARNING: Do not use force to press the bristles on the small brush into the inlets because $\stackrel{\text{\em {\it L}}}{1}$ the microphones may be damaged.



CAUTION: Do not use alcohol or other solvents to clean your hearing aid, the protective $\stackrel{\frown}{\square}$ coating will be damaged.

Cleaning the earmould

Use a soft, dry cloth to wipe the earmould clean.

Cleaning the receiver wire and dome

The receiver wire and the receiver dome should be cleaned regularly.

Use a damp cloth to clean the receiver wire and receiver dome on the outside.



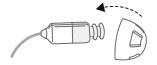
NOTE: Do not use water when you are cleaning the receiver wires or the receiver domes.

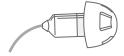
NOTE: Receiver wires may become stiff, brittle, or discoloured over time. Contact your hearing care professional regarding receiver changes.

How to change domes

Follow these steps to mount domes. This procedure shows a standard dome, but you can follow the exact same procedure if you have a tulip or power dome.

- Push the new dome over the ribbed flange on the receiver.
- 2. Make sure that the new dome is properly and securely mounted.
- To see if the dome is securely mounted, lift the dome as shown and check that both flanges are covered by the dome's collar

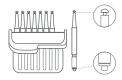


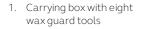


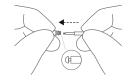


How to change the wax guard

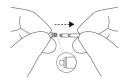
If you wear a dome, remove it before following this procedure. To replace wax guards:





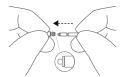


Insert the removal tip into the used wax guard until the shaft touches the rim of the wax guard.

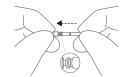


3. Slowly pull the wax guard straight out.

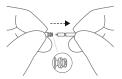
The wax guard tool has two functions: a removal tip to collect the used filter, and a replacement tip with a white filter. To insert the new wax filters, follow these steps:



 Insert the replacement tip of the tool into the sound outlet.



 Gently press the replacement tip straight into the sound outlet until the outer ring lies flush with the sound outlet.



 Pull the tool straight outthe new wax guard will remain in place. Please remember to re-attach dome again, or a fresh dome

Wireless accessories

Wireless accessories

ReSound's wireless eco-system features a comprehensive range of seamlessly integrated wireless accessories. This allows you to control and stream high quality stereo sound and speech directly to your hearing aids.

Please find the list of available wireless accessories below:

- **ReSound TV Streamer 2** allows you to stream the audio from TV sets and virtually any other audio source to your hearing aids at a volume level that suits you.
- ReSound Remote Control 2 allows you to adjust the volume or mute your hearing aids, change
 programmes, and see all your settings at a glance on its display.
- ReSound Phone Clip+ streams phone conversations and stereo sound directly to both hearing
 aids, and it doubles as a simple remote control.
- ReSound Micro Mic is a body worn microphone for your friend or colleague. It significantly
 improves speech understanding in noisy situations.

ReSound Multi Mic works like the ReSound Micro Mic but doubles as a table microphone, connects with loop and FM systems, and has a mini-jack input for streaming audio from a computer or music player.



NOTE: Ask your hearing care professional for more information on the range of ReSound wireless accessories.

For use of wireless functionality only use ReSound wireless accessories. For further quidance, please refer to the user quide of the relevant ReSound wireless accessory.

Tinnitus Management

Tinnitus Sound Generator module

Your hearing aid includes the Tinnitus Sound Generator (TSG) module, a tool for generating sounds to be used in tinnitus management programmes to temporarily relieve suffering from tinnitus. The TSG can generate sounds adjusted to the specific therapeutic needs and your personal preference as determined by your doctor, audiologist, or hearing care professional. Depending on the selected hearing aid program and the environment you are in, you will sometimes hear the therapeutic sound resembling a continuous or fluctuating noise.

Indications for use of the TSG module - (US only)

The Tinnitus Sound Generator Module is a tool to generate sounds to be used in a Tinnitus Management Programme to temporarily relieve patients suffering from Tinnitus. The target population is primarily the adult population over 18 years of age. This product may also be used with children 5 years of age or older.

The Tinnitus Sound Generator Module is targeted for healthcare professionals, which are treating patients suffering from Tinnitus, as well as conventional hearing disorders. The fitting of the Tinnitus Sound Generator Module must be done by a hearing professional participating in a Tinnitus Management Programme.

User instructions for the TSG module

Description of device

The Tinnitus Sound Generator (TSG) Module is a software tool that generates sounds to be used in tinnitus management programmes to temporarily relieve suffering from tinnitus.

Explanation on how the device works

The TSG module is a frequency and amplitude shaped white-noise generator. Noise signal level and frequency characteristics can be adjusted to the specific therapeutic needs as determined by your doctor, audiologist or hearing care professional.

Your doctor, audiologist or hearing care professional can modulate the generated noise with the purpose of making it more pleasant. The noise can then resemble, for example, breaking waves on a shore.

Modulation level and speed can also be configured to your likes and needs. An additional feature can be enabled by your hearing care professional that allows you to select predefined sounds that simulate sounds from nature, such as breaking waves or running water.

If you have two wireless hearing aids that support ear-to-ear synchronization, this functionality can be enabled by your hearing care professional. This will cause the Tinnitus Sound Generator to synchronize the sound in both hearing aids.

If your tinnitus troubles you only in quiet environments, your doctor, audiologist or hearing care professional can set the TSG Module so that it becomes audible exclusively in such surroundings. The overall sound level can be adjusted via a volume control. Your doctor, audiologist or hearing care professional will review with you the need for having such a control.

For hearing aids where ear-to-ear synchronization is enabled your hearing care professional can also enable environmental monitoring synchronization so that the TSG noise level is automatically adjusted simultaneously in both hearing aids dependent on the background sound level. Additionally since the hearing aid has a volume control then the background noise level monitored by the hearing aid and the volume control can be used simultaneously to adjust the generated noise level in both hearing aids.

The scientific concepts that form the basis for the device

The TSG module provides sound enrichment with the aim of surrounding the tinnitus sound with a neutral sound, which is easily ignored. Sound enrichment is an important component of most approaches to tinnitus management, such as Tinnitus Retraining Therapy (TRT).

To assist habituation to tinnitus, this needs to be audible. The ideal level of the TSG module, therefore, should be set so that it starts to blend with the tinnitus, and so that you can hear both your tinnitus as well as the sound used.

In a majority of instances, the TSG module can also be set to mask the tinnitus sound, so to provide temporary relief by introducing a more pleasant and controllable sound source.

TSG volume control

The sound generator is set to a specific loudness level by the hearing care professional. When switching the sound generator on, the volume will have this optimal setting. Therefore, it might not be necessary to control the volume (loudness) manually. However, the volume control provides the ability to adjust the volume, or amount of stimulus, to the liking of the user. The tinnitus sound generator volume can only be adjusted within the range set by the hearing care professional.

The volume control is an optional feature in the TSG module used for adjusting the sound generator output level.

Using TSG with smartphone apps

The tinnitus sound generator control via hearing aid push buttons can be enhanced with wireless control from a TSG control app on a smartphone or mobile device. This functionality is available in supported hearing aids when a hearing care professional has enabled the TSG functionality during fitting of the hearing aid.



NOTE: To use smartphone apps, the hearing aid must be connected with the smartphone or mobile device.

Technical specifications

Audio signal technology

Digital.

Available sounds

White noise signal which can be shaped with the following configurations: The white noise signal can be modulated in amplitude with an attenuation depth of up to 14 dB.

High-pass filter	Low-pass filter
500 Hz	2000 Hz
750 Hz	3000 Hz
1000 Hz	4000 Hz
1500 Hz	5000 Hz
2000 Hz	6000 Hz
-	8000 Hz



riangle Prescription use of a Tinnitus Sound Generator hearing aid

The TSG should be used as prescribed by your doctor, audiologist or hearing healthcare professional. In order to avoid permanent hearing damages, the maximum daily usage depends on the level of the generated sound.

To adjust TSG, please consult your hearing care professional.

Should you develop any side effects from using the sound generator, such as dizziness, nausea, headaches, perceived decrease in auditory function or increase in tinnitus perception, you should discontinue use of sound generator and seek medical evaluation.

Children and physically or mentally challenged users will require training by a doctor, audiologist, hearing healthcare professional or the guardian for the insertion and removal of the hearing instrument containing the TSG module.

Important notice for prospective sound generator users

A tinnitus masker is an electronic device intended to generate noise of sufficient intensity and bandwidth to mask internal noises. It is also used as an aid in hearing external noises and speech.

Good health practice requires that a person with a tinnitus condition have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear) before using a sound generator. 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 tinnitus are identified and treated before the sound generator instrument is used.

The sound generator instrument is a tool to generate sounds to be used with appropriate counselling and/or in a tinnitus management programme to relieve patients suffering from tinnitus



Tinnitus Sound Generator warnings

- 1. Sound generators should be used only as advised by your doctor, audiologist, or hearing care professional.
- 2. Sound generators are not toys and should be kept out of reach of anyone who might cause themselves injury (especially children and pets).
- 3. Sound generators can be dangerous if improperly used.



⚠ Tinnitus Sound Generator precautions

- 1. Should the user develop any side effects from using the sound generator, such as dizziness, nausea, headaches, perceived decrease in auditory function or increase in tinnitus perception, the user should discontinue use of the sound generator and seek medical evaluation.
- 2. Discontinue use of the sound generator and consult promptly with a licensed physician if you experience one of the following conditions:
 - a. Visible congenital or traumatic deformity of the ear.

- b. History of active drainage from the ear within the previous 90 days.
- c. History of sudden or rapidly progressive hearing loss within the previous 90 days.
- d. Acute or chronic dizziness.
- e. Unilateral hearing loss of sudden or recent onset within the previous 90 days.
- f. Visible evidence of significant cerumen accumulation or a foreign body in the ear canal.
- g. Pain or discomfort in the ear.
- 3. Discontinue use of the sound generator and consult promptly with your hearing care professional, if you experience changes in the tinnitus perception, discomfort or interrupted speech perception, while using the Tinnitus Sound Generator.
- 4. The volume control is a feature in the TSG module used for adjusting the sound generator output level. To prevent unintended usage by paediatric or physically or mentally disabled users, the volume control must be configured to only provide a decrease of the sound generator output level.
- 5. Children and physically or mentally disabled users will require guardian supervision while wearing the TSG hearing aid.

6. Adjustment of the Tinnitus Sound Generator settings, using a smartphone app, should only be performed by the parent or legal guardian in cases where the user is minor. Use of the ReSound Assist for remote settings of the tinnitus sound generator, should only be performed by the parent or legal guardian in cases where the user is minor.



Tinnitus Sound Generator warning to hearing care professionals

A hearing care professional should advise a prospective sound generator user to consult promptly with a licensed physician (preferably an ear specialist) before getting a sound generator.

If the hearing care professional 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:

- 1. Visible, congenital or traumatic deformity of the 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.
- 4 Acute or chronic dizziness
- Unilateral hearing loss of sudden or recent onset within the previous 90 days.

- Audiometric air-bone gap equal to or greater than 15 dB at 500 Hertz (Hz), 1,000 Hz, and 2,000 Hz.
- 7. Visible evidence of significant cerumen accumulation or a foreign body in the ear canal.

no case should the sound generator be worn at uncomfortable levels.

8. Pain or discomfort in the ear.

CAUTION: The maximum output of the sound generator falls into the range that can cause hearing loss according to OSHA regulations. In accordance with NIOSH recommendations, the user should not use the sound generator for more than eight (8) hours a day when this is set to a level of 85 dB SPL or above. When the sound generator is set to levels of 90 dB SPL or above the user should not use the sound generator for more than two (2) hours per day. In

⚠ General warnings

- Consult a hearing care professional if you think there may be a foreign object in your ear canal, if you experience skin irritation, or if excessive earwax accumulates with the use of the hearing aid.
- 2. Different types of radiation, from e.g. NMR, MRI, or CT scanners, may damage hearing aids. It is recommended not to wear hearing aids during these or other similar procedures. Other types of radiation, such as burglar alarms, room surveillance systems, radio equipment, mobile telephones, contain less energy and will not damage hearing aids. However, they have the potential to momentarily affect the sound quality or temporarily create undesired sounds from the hearing aids.
- 3. Do not wear hearing aids in mines, oil fields, or other explosive areas unless those areas are certified for hearing aid use.
- 4. Do not allow others to use your hearing aids.
- 5. Hearing Aid usage by children or mentally disabled persons should be supervised at all times to ensure their safety. The hearing aid contains small parts that could be swallowed by children. Please be mindful not to leave children unsupervised with this hearing aid.
- 6. Hearing aids should be used only as prescribed by your hearing care professional. Incorrect use may result in sudden and permanent hearing loss.

- 7. Warning to hearing care professionals: Special care should be exercised in selecting and fitting hearing aids with maximum sound pressure level that exceeds 132dB SPL with an IEC 60711:1981 occluded ear simulator. There may be a risk of impairment of the remaining hearing.
- 8. Turn off your wireless functionality by using the flight mode in areas where radio frequency emission is prohibited.
- If a hearing aid is broken, do not use it.
- 10. External devices connected to the electrical input must be safe according to the requirements of IEC 60601-1, IEC 60065, EN/IEC 62368-1, or IEC 60950-1, as appropriate (wired connection, for example HI-PRO). SpeedLink).

NOTE: For use of wireless functionality, only use supported wireless accessories. For further quidance regarding e.g. pairing, please refer to the user quide of the relevant wireless accessory.



∴ General precautions

- 1. When wireless function is activated, the device uses low-powered digitally coded transmissions in order to communicate with other wireless devices. Although unlikely, nearby electronic devices may be affected. In that case, move the hearing aid away from the affected electronic device
- Use only original parts from the manufacturer, e.g. wax guards.

 Only connect your hearing aids to accessories intended and qualified to be used with your hearing aids.

Hearing aid expectations

A hearing aid will not restore normal hearing and will not prevent or improve a hearing impairment resulting from organic conditions.

Consistent use of the hearing aid is recommended. In most cases, infrequent use does not permit you to obtain full benefit from it.

The use of a hearing aid is only part of hearing rehabilitation and may need to be supplemented by auditory training and instructions in lip-reading.

Troubleshooting

Troubleshooting

Issue	Potential cause	Potential solution	
Feedback, "whistling"	Is your earmould or dome inserted correctly?	Put it in again.	
	Is the volume very loud?	Reduce it.	
	Is the receiver wire broken or the earmould clogged?	Visit your hearing care professional.	
	Are you holding an object (e.g. a hat, a telephone receiver) close to a hearing aid?	Move your hand away to create more space between the hearing aid and the object.	
	Is your ear full of wax?	Visit your physician.	

Issue	Potential cause	Potential solution	
No sound	Is the hearing aid turned on?	Switch it on.	
	Is there a battery in the hearing aid?	Insert a new battery.	
	Is the battery still good?	Replace with a new one.	
		Consult your hearing care professional	
	Is your ear full of wax?	Visit your physician.	
Sound is	The battery is flat	Replace it with a new one.	
distorted, spluttering or	Is the battery dirty?	Clean it or replace it with a new one.	
weak?	Is the receiver wire broken or the earmould clogged?	Consult your hearing care professional	
	Did your hearing aid get moist?	Use a desiccant.	
Battery drains very quickly.	Did you leave your hearing aid switched on for long periods of time?	Always switch off your hearing aid when you are not using them, e.g. during the night.	
	Is the battery old?	Check the battery packaging.	

\triangle Warnings to hearing care professionals (US only)

A hearing care professional 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 care professional 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:

- 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.
- Audiometric air-bone gap equal to or greater than 15 decibels at 500 Hertz (Hz), 1,000 Hz, and 2,000 Hz.
- Visible evidence of significant cerumen accumulation or a foreign body in the ear canal.
- Pain or discomfort in the ear.



Important notice for prospective hearing aid users (US only)

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 medical evaluation is to assure that all medically treatable conditions that may affect hearing are identified and treated before the hearing aid is purchased.

Following the medical evaluation, the physician will give you a written statement that states that your hearing loss has been medically evaluated and that you may be considered a candidate for a hearing aid. The physician will refer you to an audiologist or a hearing care professional, as appropriate, for a hearing aid evaluation.

The audiologist or hearing care professional 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 hearing care professional 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 programme. Many hearing care professionals now offer programmes 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 (US only)

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 because 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 hearing loss.

Regulatory information

Warranties and repairs

The manufacturer provides a warranty on hearing aids in the event of defects in workmanship or materials, as described in applicable warranty documentation. In its service policy, the manufacturer pledges to secure functionality at least equivalent to the original hearing aid. As a signatory to the United Nations Global Compact initiative, the manufacturer is committed to doing this in line with environment-friendly best practices. Hearing aids therefore, at the manufacturer's discretion, may be replaced by new products or products manufactured from new or serviceable used parts, or repaired using new or refurbished replacement parts. The warranty period of hearing aids is designated on your warranty card, which is provided by your hearing care professional.

For hearing aids that require service, please contact your hearing care professional for assistance.

Hearing aids that malfunction must be repaired by a qualified technician. Do not attempt to open the case of hearing aids, as this will invalidate the warranty.

Temperature test, transport and storage information

Our hearing aids are subjected to various tests in temperature and damp heating cycling between - 25 °C (-13 °F) and +70 °C (+158 °F) according to internal and industry standards.

During normal operation the temperature should not exceed the limit values of $0 \, ^{\circ}\text{C}$ (+32 $^{\circ}\text{F}$) to +45 $^{\circ}\text{C}$ (+113 $^{\circ}\text{F}$), and relative humidity of 90% RH, non-condensing. Air pressure between 500 hPa and 1100 hPa is appropriate.

During transport or storage, the temperature should not exceed the limit values of -20 $^{\circ}$ C (-4 $^{\circ}$ F) to +60 $^{\circ}$ C (+140 $^{\circ}$ F) and relative humidity of 90% RH, non-condensing (for limited time). The air pressure between 500 hPa and 1100 hPa is appropriate.

Statement

This device complies with part 15 of the FCC rules and ISED rules. Operation is subject to the following two conditions:

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

It is designed not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission and ISED.

- Connect the equipment into an outlet on a circuit different from the one in which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help
- 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 the one in which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Changes or modifications can void the user's authority to operate the equipment.

The products are in compliance with the following regulatory requirements:

- The device conforms to the Essential Requirements according to Annex I of Council Directive 93/42/EEC for medical devices (MDD).
- Hereby, GN ReSound A/S declares that the radio equipment types BER13 and VER12 are in compliance with Directive 2014/53/EU.

- The full text of the EU declaration of conformity is available at the following internet address: www.declarations.resound.com.
- In US: FCC CFR 47 Part 15, subpart C.
- Other identified applicable international regulatory requirements in countries outside the EU and US. Please refer to local country requirements for these areas.
- In Canada: these hearing aids are certified under the rules of ISED.
- Japanese Radio Law and Japanese Telecommunications Business Law Compliance. This
 device is granted pursuant to the Japanese Radio Law (電波法) and the Japanese
 telecommunications Business Law (電気通信事業法). This device should not be modified
 (otherwise the granted designation number will become invalid).
- Nominal RF output power transmitted is + 1 dBm for VER12 and + 0.82 dBm for LXR45.

Symbols



WARNING points out a situation that could lead to serious injuries.



CAUTION indicates a situation that could lead to minor and moderate injuries.



Advice and tips on how to handle your hearing aid better.



Equipment includes an RF transmitter.



Follow instructions for use.



Please ask your local hearing care professional concerning disposal of your hearing aid.

NOTE: Country-specific regulations may apply.

Technical specifications

RIE - LP receiver

Models: RE561-DRW, RE761-DRW, RE961-DRW, RE562-DRWT, RE7962-DRWT, RE962-DRWT

Reference test gain (60 dBSPL input)	HFA	32	dB	Maximum Output (OSPL 90)
Full-ongain (50 dBSPL input)	Max HFA.	52 46	dB	130 120 120 120 130 100
Maximum output (90 dBSPL input)	Max. HFA	113 109	dBSPL	90
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.5 0.8 0.5	%	Frequency (Hz)
Equivalent input noise w/o noise reduction		21	dBSPL	Full-On and Reference Test Gain 50 Doc Colors Full-On and Reference Test Gain 50 Doc Colors Full-On and Reference Test Gain
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	9	dBSPL	
Frequencyrange IEC 60118-0: 2015		100-9060	Hz	
Current Drain (Quiescent / Operating)		1.13/1.28	mA	20 1000 1000 10000 Frequency (Hz)

RIE - MP receiver

Models: RE561-DRW, RE761-DRW, RE961-DRW, RE562-DRWT, RE7962-DRWT, RE962-DRWT

Reference test gain (60 dBSPL input)	HFA	36	dB	Maximum Output (OSPL 90)
Full-on gain (50 dBSPL input)	Max HFA.	58 50	dB	130 120 120 120 120 120 120
Maximum output (90 dBSPL input)	Max. HFA	116 113	dBSPL	90
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.3 0.4 0.7	%	100 1000 10000 Frequency (Hz)
Equivalent input noise w/o noise reduction		24	dBSPL	Full-On and Reference Test Gain 50 200 Colombia Full-Organia 50 8 00 50
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	11	dBSPL	
Frequencyrange IEC 60118-0: 2015		100-9000	Hz	
Current Drain (Quiescent / Operating)		1.13/1.19	mA	20 1000 1000 10000 Frequency (Hz)

RIE - HP receiver

Models: RE561-DRW, RE761-DRW, RE961-DRW, RE562-DRWT, RE7962-DRWT, RE962-DRWT

Reference test gain (60 dBSPL input)		40	dB	Mayimum Outrut (OSDL 00)
3(2	HFA		25	Maximum Output (OSPL 90)
Full-ongain (50 dBSPL input)	Max HFA.	65 57	dB	130 130 130 130 130 130 130 130 130
Maximum output (90 dBSPL input)	Max. HFA	120 118	dBSPL	100 1000 10000
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.3 1.7 0.5	%	Frequency (Hz)
Equivalent input noise w/o noise reduction		22	dBSPL	Full-On and Reference Test Gain
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	10	dBSPL	00 Dodd 994 Hotel D
Frequencyrange IEC 60118-0: 2015		100-6750	Hz	
Current Drain (Quiescent / Operating)		1.3/1.18	mA	20 100 1000 10000 Frequency (Hz)

RIE - UP receiver

Models: RE561-DRW, RE761-DRW, RE961-DRW, RE562-DRWT, RE7962-DRWT, RE962-DRWT

Defended to the first (CO dD CD) in the	LIEA	47	-ID	
Reference test gain (60 dBSPL input)	HFA	47	dB	Maximum Output (OSPL 90)
				140 2cc Coupler
Full-on gain (50 dBSPL input)	Max	75	dB	130
	HFA.	65		120
				110 The S g D
Maximum output (90 dBSPL input)	Max.	128	dBSPL	100
Traximamoutput (30 db31 Empat)	HFA	124	GDJIL	90
				80
				100 1000 10000
Total harmonic distortion	500 Hz	1.0	%	Frequency (Hz)
	800 Hz	1.6		
	1600 Hz	0.1		Full-On and Reference Test Gain
Equivalent input noise w/o noise reduction		23	dBSPL	200 Coupler
				70
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	9	dbSPL	Full-onigatin 50dB SPL input
1/3 Octave Equivateric input noise, wy o rouse reduction	1000 Hz	9	GDJI L	5 g 50
Frequencyrange IEC 60118-0: 2015		100-4920	Hz	40
				30 Relegand test gain
Current Drain (Quiescent / Operating)		1.14/1.21	mA	20
3,				Frequency (Hz)
				-11.77

Hearing aid variants

Receiver-in-the-ear (RIE) hearing aids of type BER13 with FCC ID X26BER13, IC number

6941C-BER13 and size 13 battery are available in the following variants:

RE962-DRW, RE762-DRW, RE562-DRW.

Mini Receiver In-the-Ear (RIE) hearing aids of type VER12 with FCC ID: X26VER12, IC number 6941C-VER12 and size 312 battery are available in the following variants:

RE561-DRW, RE761-DRW, RE961-DRW.

Additional information

Acknowledgments

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Complies with IMDA Standards DA105282

Notes

Notes



Manufacturer according to EU Medical Device Directive 93/42/EEC:

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