User guide
Receiver-In-Ear hearing aids
## Hearing Aid Specifications

<table>
<thead>
<tr>
<th>Left Hearing Aid</th>
<th>Right Hearing Aid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serial number</td>
<td>Serial number</td>
</tr>
<tr>
<td>Model number</td>
<td>Model number</td>
</tr>
<tr>
<td>Receiver type</td>
<td>Receiver type</td>
</tr>
<tr>
<td></td>
<td>Low Power</td>
</tr>
<tr>
<td></td>
<td>Medium Power</td>
</tr>
<tr>
<td></td>
<td>High Power</td>
</tr>
<tr>
<td></td>
<td>Ultra Power</td>
</tr>
<tr>
<td>Receiver tube length</td>
<td>0 1 2 3 4</td>
</tr>
<tr>
<td>Battery size</td>
<td>312 13</td>
</tr>
</tbody>
</table>

**Open/standard fitting:**
- Small
- Medium
- Large

**Program Beep Description:**

<table>
<thead>
<tr>
<th>Program</th>
<th>Beep</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>🎵</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>🎵🎵</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>🎵🎵🎵</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>🎵🎵🎵🎵</td>
<td></td>
</tr>
</tbody>
</table>

Hearing aid type designations for models included in this user guide are:
- BRIE, FCC ID: X26BRIE, IC: 6941C-BRIE, VE312, FCC ID: X26VE312, IC: 6941C-VE312. Please see page 7 for a list of models referring to all types.

This device operates in the frequency range of 2.4 GHz - 2.48 GHz. This device includes an RF transmitter that operates in the range of 2.4 GHz - 2.48 GHz.
1 Introduction

Congratulations on the purchase of your new hearing aids. ReSound’s innovative sound technology and design, combined with the customized programming selected by your hearing care professional, will make hearing a more enjoyable experience.

Please read this manual carefully in order to wholly benefit from the use of your hearing aids. With proper care, maintenance, and usage, your hearing aids will serve you in better communication for many years.

Ask your hearing care professional if you have any questions.

2 Intended use

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

3 Becoming accustomed to amplification

While purchasing a hearing aid is a major step, it is only one step in a process toward more comfortable hearing. Successfully adapting to the amplification your hearing aid provides takes time and consistent use.

You will enjoy more benefits from your ReSound hearing aid by taking the following actions:

• Wear the hearing aid regularly in order to get comfortable using it.
• It takes time to get used to a hearing aid. It may help to begin by initially wearing your hearing aid for short periods – even as little as 15 minutes – and then gradually increasing your wearing time. In a way, it is no different from adjusting to contact lenses. Speak to your hearing care professional, who can design a schedule tailored just for you.
• As you get more comfortable with the hearing aid, increase the wearing time and wear your hearing aid in multiple types of listening environments.

It may take as long as several months for your brain to get used to all the “new” sounds around you. Following these suggestions will give your brain time to learn how to interpret amplification and increase the benefits you get from using a ReSound hearing aid.
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.
2. 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.
• 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.

The products comply with the following regulatory requirements:
- Hereby, GN ReSound A/S declares that the radio equipment type(s) BRIE and VE312 is/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)

Mini Receiver In-the-Ear (RIE) hearing aids of type VE312 with FCC ID: X26VE312, IC number 6941C-VE312 and size 312 battery are available in the following variant: FT861-DRW, VA861-DRW, VA861-DRWZ

Receiver-in-the-ear (RIE) hearing aids of type BRIE with FCC ID X26BRIE, IC number 6941C-BRIE and size 13 battery are available in the following variant: FT862-DRW, VA862-DRW
6 Descriptions

6.1 Your hearing aid – Models 61 and 62

1. Receiver tube
2. Receiver Open Dome
3. Receiver Tulip Dome
4. Receiver Power Dome
5. RIE mold
6. Sport lock
7. Battery compartment
8. Receiver
9. Multi-functional push button
10. LP receiver tube
11. MP receiver tube
12. HP receiver tube
13. Model, and serial number
14. UP Receiver/Mold
15. Left/Right indicator (in battery door)

1. Receiver tube
2. Receiver Open Dome
3. Receiver Tulip Dome
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5. RIE mold
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7. Battery compartment
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9. Multi-functional push button
10. LP receiver tube
11. MP receiver tube
12. HP receiver tube
13. Model, and serial number (in battery chamber)
14. UP Receiver/Mold
15. Left/Right indicator (in battery door)
6.2 Recognizing left and right hearing aid
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 colored Left and Right indication: Left is blue and Right is red.

7 Getting started
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 pre-set volume.

7.1 On/Off function
1. Close the battery door to turn on the hearing aid in program 1 (one).
2. Open the battery door to turn off the hearing aid. Use your fingernail to pull it open.

7.1.1 Smart Start
Smart Start delays the time before the hearing aid turns on after you close the battery door. With Smart Start, you will hear a beep (etc.) 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 de-activate Smart Start.

7.2 Inserting/Replacing the battery
1. Open the battery door completely by using your fingernail. Remove the used battery if present.
2. Prepare the new battery (please refer to page 2 for information on appropriate battery type/size for your hearing aid). Remove the protective foil to activate the battery.
3. Wait for 2 minutes before inserting the battery into the hearing aid.
4. Insert the new battery with the positive side in the correct position. Always insert the battery in the door. never directly into the hearing aid.
5. Gently close the battery door.

1. Always use new Zinc-Air batteries that have a minimum remaining shelf life of 1 year.
2. Whenever the hearing aids are not in use, remember to turn them off to avoid unnecessary battery consumption. For VA861-DRWZ, if using the silver-zinc rechargeable battery, place the hearing instrument in the charger or remove the battery.
3. At night, switch off the hearing aid and open the battery door completely to allow moisture to evaporate and prolong the hearing aid’s lifespan. For VA861-DRWZ, if using silver-zinc rechargeable batteries, place the hearing instrument in the charger.
4. If the hearing aid is experiencing frequent loss of connection to wireless accessories, contact your hearing care professional for a list of low impedance batteries.

**WARNING**: Batteries contain dangerous substances and should be disposed of carefully in the interest of your safety and for the environment. Also, keep batteries away from pets, children and mentally disabled persons.

7.3 Low battery indicator
The hearing aid will reduce amplification and play a melody if battery power gets too low. This signal will recur every 15 minutes until the hearing aid automatically switches off.

**NOTE**: Keep spare batteries on hand.

7.3.1 Low battery indicator when using Z-Power Rechargeable System
The acoustical low battery indicator, discussed in the above, will not function in the same way when used with the Z-Power Rechargeable System due to the battery design.
As soon as the indicator is activated (or heard), connect the hearing instrument to the charger provided to you or replace with non-chargeable Zinc-Air batteries. It is recommended that you keep a supply of non-rechargeable Zinc-air batteries to use in case you do not have your charger with you, or do not have the time to recharge the battery with your charger.

7.3.2 Low battery indicator when paired with wireless accessories only
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 shuts down. Full functionality returns when you insert a new battery.

The table below shows how the functionality decreases with the depletion of the batteries.

<table>
<thead>
<tr>
<th>Battery level</th>
<th>Signal</th>
<th>Hearing aid</th>
<th>Remote Control</th>
<th>Streaming</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fully charged</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Low</td>
<td>🎵🎵🎵</td>
<td>✓</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Depleted (change battery)</td>
<td>🎵🎵🎵</td>
<td>✓</td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>
7.4 Insert/Remove hearing aid
For comfort, always turn off your hearing aids before you insert or remove them.

7.4.1 Insert earmold
1. Hold the earmold between your thumb and index finger and position its sound outlet in your ear canal.
2. Slide the earmold all the way into your ear with a gentle, twisting movement.
3. Move the earmold up and down and gently press to place it correctly in the ear. Opening and closing your mouth can ease insertion.
4. Make sure the hearing aid 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 aid, earmolds, or tubing yourself.

7.4.2 Remove earmold
1. Lift the hearing aid from behind the ear. For a moment, let it hang beside your ear.
2. Gently pull the removal cord (not the hearing aid or the tubing) to pull the hearing aid from the ear.

**NOTE**: For receiver tube custom earmolds, grasp the removal cord and pull the earmould outward.

3. Remove the earmold completely by gently twisting it.

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

**NOTE**: 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 receiver tube.
7.4.4 Remove receiver tube with dome
1. Hold the receiver tube with your thumb and forefinger and remove the tube.

7.4.5 Sport lock
Your hearing care professional will apply and adjust the sport lock.

7.5 Operation of the hearing aid
7.5.1 Push button and Multi-function button
If you have a hearing aid 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.

1. Tap the push button to switch between programs.
2. You will then hear one or more beeps. The number of beeps indicates which program you have selected (one beep = program one, two beeps = program two, etc.).
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:

<table>
<thead>
<tr>
<th>Multi-function button action</th>
<th>Default setting</th>
<th>New Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short press up</td>
<td>Increases volume</td>
<td></td>
</tr>
<tr>
<td>Short press down</td>
<td>Decreases volume</td>
<td></td>
</tr>
<tr>
<td>Long press up (3 seconds)</td>
<td>Changes programs</td>
<td></td>
</tr>
<tr>
<td>Long press down (3 seconds)</td>
<td>Activates streaming</td>
<td></td>
</tr>
</tbody>
</table>
Telephone use

Your hearing aid allows you to use the telephone as you ordinarily do. Finding the optimal position for holding a telephone may require practice. One or more of the following suggestions may be helpful:

1. Hold the telephone up to your ear.
2. Hold the telephone towards the top of the ear (closer to where the microphones are).
3. If whistling occurs, it may take a few seconds of holding the telephone in the same position before the hearing aid eliminates the feedback.
4. Whistling may stop by holding the telephone slightly away from the ear.

NOTE: Depending on your individual needs, your hearing care professional may activate a program specifically for telephone use.

8.1 Using ReSound Smart Hearing Aids with iPhone®, iPad®, and iPod touch® (optional)

ReSound Forte and ReSound Vida hearing aids are Made for Apple, and allow for direct communication and control with an iPhone®, iPad®, or iPod touch®.

NOTE: For assistance with pairing and using these products with your ReSound device, please contact your hearing care professional.
8.2 Using ReSound hearing aids with smart phone apps

Use with smart phone apps:
• Notifications of app updates should not be disabled, and it is recommended that the user installs all updates to ensure that the app will function correctly and will be kept up to date.
• The app must only be used with ReSound devices for which it is intended, and ReSound takes no responsibility if the app is used with other devices.
• If you would like a printed version of the user guide for a smart phone app, please consult customer support or go to our website at future-resound.com.

8.3 Cellular phones

Your hearing aid complies with the most stringent Standards of International Electromagnetic Compatibility. However, not all cell phones are hearing aid compatible (HAC).

Any degree of disturbance can be due to the nature of your particular cellular phone or of your wireless telephone service provider.

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

8.4 Phone Now

The Phone Now function automatically switches your present listening program to your telephone program when a telephone receiver, equipped with a magnet, is close to your ear. When you remove the telephone receiver from your ear, the hearing aid automatically returns to the previous listening program.

8.4.1 Placement of Phone Now magnets

Place Phone Now magnet on your telephone receiver to allow operation of the Phone Now function. In order to place Phone Now magnet properly:
1. Clean the telephone receiver thoroughly.
2. Hold the telephone vertically, in a position similar to when making a telephone call.
3. Place the magnets just below the telephone receiver. Make sure not to cover the microphone openings. If necessary, move the magnet to another position to improve ease of use and comfort while speaking.

NOTE: If you are not satisfied with the strength of Phone Now, you can reposition the Phone Now magnet or add additional Phone Now magnets.
NOTE: Prior to placing the magnet on the telephone or cell phone, use a recommended cleaning agent to clean the telephone.

8.4.2 Phone Now usage

1. Use your telephone in a normal manner.
2. A short melody indicates that the Phone Now feature has automatically switched on the telephone program.
8.5 Telecoil (62-DRW only)

Your hearing aid may be equipped with a telecoil. The Telecoil program may help to improve speech understanding with Hearing Aid Compatible telephones and in theatres, cinemas, houses of worship etc. that has teleloop installed.

The telecoil cannot work without a teleloop (a.k.a. induction-loop) or a Hearing Aid Compatible (HAC) telephone. When you switch on the Telecoil program, your hearing aids pick up signals from the teleloop or HAC telephone.

8.5.1 Teleloop systems

To use teleloop systems, follow these steps:
1. Switch your hearing aid to the Telecoil program.
2. Find a good spot. Reception is not clear in all locations; it depends on the induction loop. Look for signs or move to a different location.
3. If needed, adjust the volume.
4. When you leave, switch to program 1.

8.5.2 HAC Telephone

The telecoil picks up the HAC telephone’s telecoil signal and converts it to sound.

To use the HAC telephone, follow these steps:
1. Switch your hearing aid to the Telecoil program.
2. Pick up the telephone and place a call or answer a call.
3. Hold the telephone behind your ear – close to the hearing aid, and tilt it slightly outwards.
4. Listen to the dial tone and move the telephone to get the best reception.
5. If needed, adjust the volume.
6. When you hang up, switch to program 1.

NOTE: If the phone has a poor telecoil signal, try to use a microphone program. To avoid whistling, do not hold the handset too tightly against your ear.

NOTE: Initially, you may need to move the telephone receiver slightly to find the best position for reliable Phone Now activation and good hearing on the telephone.

If you have two hearing aids with enabled Comfort Phone functionality, the hearing aid on the non phone ear automatically reduces the volume.

NOTE: If you are having trouble hearing with the teleloop, ask your hearing care professional to adjust the program.

NOTE: If there is no sound from the hearing aids in a teleloop system and an active Telecoil program, the teleloop system may not be turned on or is not operating correctly.
8.6 Direct Audio Input (optional - 62 model)

Your hearing aid is equipped with a Direct Audio Input facility. Direct Audio Input allows direct connection of sound sources, a radio, television or even school equipment, to your hearing aid. Often, this will improve sound quality.

8.6.1 Connecting DAI
1. Align the tip of the DAI click-on adaptor with the groove just above the battery door and below the model number.
2. Once in place, move the DAI click-on adaptor in the direction of the battery door.
3. Gently click the DAI click-on adaptor onto the hearing aid.

Audio shoe

The sound source transmits to your hearing aid via a cable and a click-on device.

The hearing aid automatically detects the Direct Audio Input (DAI) source. The DAI supports the systems for wireless use as well.

Your hearing aid professional can adjust your hearing aids to fit the mix between the digital audio input and the microphones on your hearing aids. You may, e.g. select to lower the ambient sounds and amplify the sounds from the transmitter.

This accessory connects to the bottom of the hearing aids. Once clicked into place, the hearing aids automatically close the microphones and switch to DAI.

8.6.2 Disconnecting DAI
1. Press and hold the button on the front side of the DAI click-on adaptor.
2. Gently remove the DAI click-on adaptor from the hearing aid.
8.7 Flight mode (optional)

WARNING: When boarding a flight or entering an area where RF transmitters are prohibited, wire-
less functionality must be deactivated.

Your ReSound hearing aid allows you to control it from your smart phone or Remote Control 2. However,
in some areas you are requested to turn off wireless communication.

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 (ność 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.

NOTE: Both hearing aids must be set in Flight mode - even with synchronisation enabled.

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

NOTE: Flight mode must be activated by your clinician in order to be controlled.

9 The receiver tube

The receiver tube contains the wiring to the receiver, which delivers the sound to the ear canal. It is im-
portant that the receiver tube and the receiver dome/RIE mould fits correctly in your ear. If the receiver
tube or the receiver dome/RIE mould irritates your ear in any way and prevents you from wearing your
hearing aid, please contact your hearing care professional.

You should never attempt to modify the shape of the receiver tube yourself. The receiver tube and the
receiver dome/RIE mould should be cleaned regularly.

Please see cleaning instructions in chapter 12.2 – 12.4.
10 How to apply domes
It is recommended that your hearing care professional shows you how to change the domes, because incorrect dome replacement could result in the dome being left in the ear when you remove the hearing aid.

10.1 ReSound domes
Follow these steps to mount domes:
1. Push the new dome over the ribs flange on the receiver.
2. Make sure that the new dome is properly and securely mounted.

10.2 ReSound Tulip domes
The Tulip domes are mounted in a similar manner to the ordinary domes, but a few extra steps are required. The Tulip domes consist of two “petals”.

Follow these steps to mount domes:
1. Push the largest petal away from the receiver tube using a finger. This bends the petal forward.
2. Push the new tulip dome over the flange.
3. Then push the largest petal backwards, and it will be placed on top of the smaller petal.
4. Make sure that the new dome is properly and securely mounted.

NOTE: It is important to note that the largest petal is the outermost petal.
11 Wireless accessories
With wireless accessories, you can stream sound from your TV or music player directly to your ReSound hearing aids and you can also control them without wearing an intermediary device around your neck.

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

12 Care and maintenance
Please follow the instructions below to have the best user experience and to prolong the durability of your hearing aids:

1. Keep your hearing aid clean and dry. Wipe the case with a soft cloth or tissue after use to remove grease or moisture. Do not use water or solvents, as these can damage the hearing aid(s).
2. Never immerse hearing aids in water or other liquids, as liquids may cause permanent damage to the hearing aids.
3. Avoid rough handling of hearing aids or dropping them on hard surfaces or floors.
4. Do not leave hearing aids in or near direct heat or sunlight, such as in a hot, parked car, as excessive heat can cause damage or deform the casing.
5. Do not wear your hearing aid while showering, swimming, in heavy rain or in a moist atmosphere such as a steam bath or sauna.
6. If your hearing aid does get wet, or if it has been exposed to high humidity or perspiration, it should be left to dry out overnight with the battery out and the battery door open. It is also a good idea to put the hearing aid and battery in a sealed container together with a drying agent (desiccator) overnight. Do not use the aid until it is completely dry. Consult your hearing care professional as to which drying agent to use.
7. Remove your hearing aid when applying cosmetics, perfume, aftershave, hair spray, and suntan lotion. These might get into the aid and cause damage.
12.1 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 drying kit is recommended.

12.2 Cleaning the receiver tubes and domes
The receiver tube and the receiver dome should be cleaned regularly. Use a damp cloth to clean the receiver tube and receiver dome on the outside. Do not use water when you are cleaning the receiver tubes or the receiver domes. This process is also used to clean the UP receiver mold. Please see chapter 12.4 for how to change the wax guard filter.

NOTE: If the components get stiff, brittle, or discoloured, ask your hearing care professional for a replacement.

12.3 Cleaning RIE or molds (does not apply for UP molds)
1. Separate the mold from the receiver tube.
2. Clean the RIE mold using a mild soap, and rinse with lukewarm water.
3. After cleaning, dry RIE molds thoroughly and remove any residual water and debris utilising an air bulb.

NOTE: Earmold tubing may become stiff, brittle, or discoloured over time. Contact your hearing care professional regarding changes.

12.4 Changing wax guard for receiver
For changing Cerustop (white) wax filters, the following steps are needed:
1. To remove the old wax guard, insert the removal side of the wax guard tool into the used wax guard so that the shaft of the tool is touching the rim of the wax guard. Slowly pull the wax guard straight out.
2. To insert the new wax guard, gently press the replacement side of the wax guard tool straight into the hole of the sound outlet until the outer ring lies flush with the outside of the receiver. Pull the tool straight out - the new wax guard will remain in place.
13  General warnings

1. 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 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. This may cause damage to the hearing aids or to the hearing of the other individual.
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 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. Be careful when boarding flights to deactivate the wireless functionality. Turn off your wireless functionality by using the flight mode in areas where radio frequency emission is prohibited.
9. If device is broken, do not use.

10. External devices connected to the electrical input must be safe according to the requirements of IEC 60601-1, IEC 60065, or IEC 60950-1, as appropriate (wired connection, for example HI-PRO, SpeedLink).

1. ReSound wireless devices include a RF transmitter that operates in the range of 2.4 GHz - 2.48 GHz.
2. Nominal RF output power transmitted is 0 dBm.
3. For use of wireless functionality only use wireless accessories. For further guidance regarding e.g. pairing, please refer to the user guide of the relevant wireless accessory.
14 Using ReSound hearing aids with ReSound apps for smart phones

14.1 Intended use of ReSound apps for smart phones:
ReSound smart phone apps are intended to be used with ReSound wireless hearing aids. ReSound smart phone apps send and receive signals from the ReSound wireless hearing aids via smart phones for which the apps have been developed.

14.2 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.
2. When using wireless functionality and the devices are affected by electromagnetic interference, move away from the source.
3. Use only original ReSound consumables e.g. tubes and domes.
4. Only connect ReSound hearing aids to wireless accessories intended and qualified to be used with ReSound hearing aids.

15 Phone Now warnings
1. 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.
2. 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).

15.1 Phone Now precautions
1. High distortion during dialing or phoning may mean that the magnet is not in the optimal position relative to the telephone receiver. To avoid the issue, please move the magnet to another place on the telephone receiver.
2. Only use magnets supplied by ReSound.
16 Important points for FM
1. Do not use two transmitters on the same FM channel.
2. Do not use water or fluids for cleaning the FM shoe.
3. Do not use an FM transmitter in locations where it is forbidden to use electronic devices, for instance in airplanes.
4. Be aware that FM signals might also be picked up and overheard by other receivers.
5. Before using the system in another country, contact your hearing care professional to make sure your radio channel is permitted in that country.
6. Your FM shoe and transmitter may only be repaired by an authorized service centre.

17 Battery warnings
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.
6. Remove the batteries to prevent leakage when the hearing aids are not in use for an extended period of time.
7. If the batteries are not inserted correctly, the device will not work and the batteries may build up heat. If this happens, please remove the batteries.

18 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 attain 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.
Warning to hearing aid 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 aid 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.
6. Audiometric air-bone gap equal to or greater than 15 decibels 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.
8. 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 a 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 program. Many hearing care professionals 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 (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 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.
### 22 Technical specifications

#### 22.1 RIE - LP receiver

Models: FT862-DRW, FT861-DRW, VA862-DRW, VA861-DRW, VA861-DRWZ

<table>
<thead>
<tr>
<th>Reference test gain (60 dB SPL input)</th>
<th>HFA</th>
<th>31 dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-on gain (50 dB SPL Input)</td>
<td>Max HFA</td>
<td>52 dB</td>
</tr>
<tr>
<td></td>
<td>HFA</td>
<td>43 dB</td>
</tr>
<tr>
<td>Maximum output (90 dB SPL input)</td>
<td>Max HFA</td>
<td>113 dB SPL</td>
</tr>
<tr>
<td></td>
<td>HFA</td>
<td>108 dB SPL</td>
</tr>
<tr>
<td>Total harmonic distortion</td>
<td>500 Hz</td>
<td>0.3 %</td>
</tr>
<tr>
<td></td>
<td>800 Hz</td>
<td>0.5 %</td>
</tr>
<tr>
<td></td>
<td>1600 Hz</td>
<td>0.7 %</td>
</tr>
<tr>
<td>Telecoil sensitivity (SPLIV @ 31.6 mA/m)</td>
<td>90 dB SPL</td>
<td></td>
</tr>
<tr>
<td>Equivalent input noise (w/o noise reduction)</td>
<td>23 dB SPL</td>
<td></td>
</tr>
<tr>
<td>Frequency range (DIN 45605)</td>
<td>100–7000 Hz</td>
<td></td>
</tr>
<tr>
<td>Current drain (in test mode)</td>
<td>1.3 mA</td>
<td></td>
</tr>
</tbody>
</table>

Note: Telecoil sensitivity only applicable for 62 RIE models

Data in accordance with IEC60118-0 Edition3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V

#### RIE - MP receiver

Models: FT862-DRW, FT861-DRW, VA862-DRW, VA861-DRW, VA861-DRWZ

<table>
<thead>
<tr>
<th>Reference test gain (60 dB SPL input)</th>
<th>HFA</th>
<th>37 dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-on gain (50 dB SPL Input)</td>
<td>Max HFA</td>
<td>58 dB</td>
</tr>
<tr>
<td></td>
<td>HFA</td>
<td>51 dB</td>
</tr>
<tr>
<td>Maximum output (90 dB SPL input)</td>
<td>Max HFA</td>
<td>116 dB SPL</td>
</tr>
<tr>
<td></td>
<td>HFA</td>
<td>114 dB SPL</td>
</tr>
<tr>
<td>Total harmonic distortion</td>
<td>500 Hz</td>
<td>0.5 %</td>
</tr>
<tr>
<td></td>
<td>800 Hz</td>
<td>0.6 %</td>
</tr>
<tr>
<td></td>
<td>1600 Hz</td>
<td>1.2 %</td>
</tr>
<tr>
<td>Telecoil sensitivity (SPLIV @ 31.6 mA/m)</td>
<td>96 dB SPL</td>
<td></td>
</tr>
<tr>
<td>Equivalent input noise (w/o noise reduction)</td>
<td>23 dB SPL</td>
<td></td>
</tr>
<tr>
<td>Frequency range (DIN 45605)</td>
<td>100–7000 Hz</td>
<td></td>
</tr>
<tr>
<td>Current drain (in test mode)</td>
<td>1.3 mA</td>
<td></td>
</tr>
</tbody>
</table>

Note: Telecoil sensitivity only applicable for 62 RIE models

Data in accordance with IEC60118-0 Edition3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V
RIE - HP receiver
Models: FT862-DRW, FT861-DRW, VA862-DRW, VA861-DRW, VA861-DRWZ

Reference test gain (60 dB SPL input)  HFA 42 dB
Full-on gain (50 dB SPL Input)        Max 65 dB
Maximum output (90 dB SPL input)     HFA 122 dB SPL
                                    Max 118 dB SPL
500 Hz                              0.6 %
800 Hz                              1.2 %
1600 Hz                             0.7 %
Total harmonic distortion
Telecoil sensitivity (SPLIV @ 31.6 mA/m) 101 dB SPL
Equivalent input noise (w/o noise reduction) 23 dB SPL
Frequency range (DIN 45605) 100–6030 Hz
Current drain (in test mode) 1.3 mA

RIE - UP receiver
Models: FT862-DRW, FT861-DRW, VA862-DRW, VA861-DRW, VA861-DRWZ

Reference test gain (60 dB SPL input)  HFA 47 dB
Full-on gain (50 dB SPL Input)        Max 75 dB
Maximum output (90 dB SPL input)     HFA 129 dB SPL
                                    Max 124 dB SPL
500 Hz                              1.3 %
800 Hz                              2.1 %
1600 Hz                             0.1 %
Total harmonic distortion
Telecoil sensitivity (SPLIV @ 31.6 mA/m) 107 dB SPL
Equivalent input noise (w/o noise reduction) 23 dB SPL
Frequency range (DIN 45605) 100–4910 Hz
Current drain (in test mode) 1.2 mA

Data in accordance with IEC60118-0 Edition 3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V

Note: Telecoil sensitivity only applicable for 62 RIE models.
<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>CAUSE</th>
<th>POSSIBLE REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feedback,”whistling”</td>
<td>Is your earmold or dome inserted correctly?</td>
<td>Put it in again.</td>
</tr>
<tr>
<td></td>
<td>Is the volume very loud?</td>
<td>Reduce it.</td>
</tr>
<tr>
<td></td>
<td>Is the plastic tube or the earmold clogged or broken?</td>
<td>Replace or visit your hearing care professional.</td>
</tr>
<tr>
<td></td>
<td>Are you holding an object (e.g. a hat, a telephone receiver) close to a hearing aid?</td>
<td>Move your hand away to create more space between the hearing aid and the object.</td>
</tr>
<tr>
<td></td>
<td>Is your ear full of wax?</td>
<td>Visit your physician.</td>
</tr>
<tr>
<td>No sound</td>
<td>Is the hearing aid turned on?</td>
<td>Switch it on.</td>
</tr>
<tr>
<td></td>
<td>Is the hearing aid in telecoil mode?</td>
<td>Switch to the microphone program.</td>
</tr>
<tr>
<td></td>
<td>Is there a battery in the hearing aid?</td>
<td>Insert a new battery.</td>
</tr>
<tr>
<td></td>
<td>Is the battery still good?</td>
<td>Replace with a new one.</td>
</tr>
<tr>
<td></td>
<td>Is the plastic tube or the earmold clogged or broken?</td>
<td>Visit your hearing care practitioner.</td>
</tr>
<tr>
<td></td>
<td>Is your ear full of wax?</td>
<td>Visit your physician.</td>
</tr>
<tr>
<td>SYMPTOM</td>
<td>CAUSE</td>
<td>POSSIBLE REMEDY</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>------------------------------------------------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>Sound is distorted, spluttering or weak?</td>
<td>Is the battery dead?</td>
<td>Replace it with a new one.</td>
</tr>
<tr>
<td></td>
<td>Is the battery dirty?</td>
<td>Clean it or replace it with a new one.</td>
</tr>
<tr>
<td></td>
<td>Is the plastic tube or the earmold clogged or broken?</td>
<td>Visit your hearing care professional.</td>
</tr>
<tr>
<td></td>
<td>Did your hearing aid get moist?</td>
<td>Use a desiccant.</td>
</tr>
<tr>
<td>Battery drains very quickly</td>
<td>Did you leave your hearing aid switched on for long periods of time?</td>
<td>Always switch off your hearing aid when you are not using them, e.g. during the night.</td>
</tr>
<tr>
<td></td>
<td>Is the battery old?</td>
<td>Check the date on the battery packaging.</td>
</tr>
</tbody>
</table>
24 Warranties and repairs
ReSound 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, ReSound pledges to secure functionality at least equivalent to the original hearing aid. As a signatory to the United Nations Global Compact initiative, ReSound is committed to doing this in line with environment-friendly best practices.

Hearing aids therefore, at ReSound’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. ReSound 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.

25 Temperature test, transport and storage information
ReSound 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 transport or storage, the temperature should not exceed the limit values of -20 °C (-4 °F) to +60 °C (140 °F) and relative humidity of 90% RH, non-condensing (for limited time). The air pressure between 500 and 1100 hPa is appropriate.

Be aware of information marked with the warning symbol:

⚠️ 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 RF transmitter

Follow instructions for use.
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Please ask your local hearing care professional concerning disposal of your hearing aid.

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

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