

## INSTRUCTIONS FOR USE

designRITE



-  Oticon | **Alta**
-  Oticon | **Nera**
-  Oticon | **Ria**

**oticon**  
PEOPLE FIRST

## Thank you

Thank you for choosing our product as your means to better hearing. To support your efforts, we have put great care and attention into making sure that your new hearing instrument is of the highest quality and is easy to use and maintain.

We recommend that you read this manual carefully to achieve the full benefit of your new hearing instrument.

To meet your needs, various functions may be configured for your hearing instrument. The actual configuration of your instrument may be marked (ticked off) by your Hearing Care Professional in the relevant sections of this manual. Please also refer to the last page for a complete overview of all functions configured for your hearing instrument(s).

The hearing instrument amplification is uniquely adjusted and optimized for your personal hearing capabilities during the fitting performed by your Hearing Care Professional.

If you have any questions on the use or maintenance of the hearing instrument, please contact your Hearing Care Professional.

## **Indications for Use**

The hearing instrument is intended to amplify and transmit sound to the ear and thereby compensate for mild to moderate-to-severe hearing impairment.

## **IMPORTANT NOTICE**

Please familiarize yourself with the entire content of this booklet before using your hearing instrument. It contains instructions and important information about the use and handling of your hearing instrument and batteries.

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# Instrument view designRITE

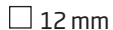
## Your ear piece



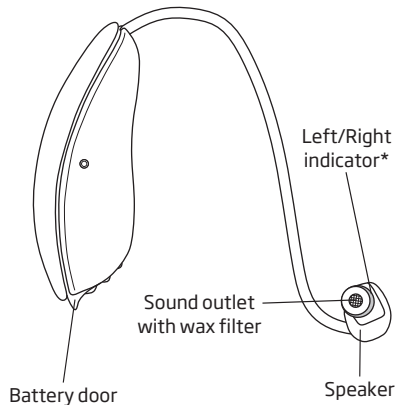
## Domes:

### Type

### Size



Battery size: 10



\*Left = blue  
Right = red

## **IMPORTANT NOTICE**

Open the battery door fully to allow air to circulate whenever you are not using your hearing instrument, particularly overnight.



## **Warnings**

You should familiarize yourself fully with the following general warnings and the entire content of this booklet before using your hearing instrument.

### **Use of hearing instruments**

- Hearing instruments should be used only as directed and adjusted by your Hearing Care Professional. Misuse can result in sudden and permanent hearing loss.
- Never allow others to wear your hearing instrument, as incorrect usage could cause permanent damage to their hearing.

### **Choking hazards**

- Hearing instruments, their parts and batteries are not toys and should be kept out of reach of children and anyone who might swallow these items or otherwise cause injury to themselves.
- Never replace the battery or adjust the controls of the hearing instrument in front of infants, small children or people with learning difficulties.
- Discard batteries carefully in a place where infants, small children or people with learning difficulties cannot reach them.

## **Warnings**

- Batteries have occasionally been mistaken for pills. Therefore check your medicine carefully before swallowing any pills.
- Never put your hearing instrument or batteries in your mouth for any reason, as they are slippery and could be swallowed by accident.
- Most hearing instruments can be supplied with a tamper-resistant battery door upon request. This is strongly recommended for infants, small children, and people with learning difficulties.

*If a battery or hearing instrument is swallowed, see a doctor immediately and contact the National Poison Center at 1-800-222-1222 or the National Battery Ingestion Hotline at 1-202-625-3333.*

### **Battery use**

- Always use batteries recommended by your Hearing Care Professional. Batteries of low quality may leak and cause bodily harm.
- Never attempt to recharge your batteries. They may explode and cause serious injury.
- Never dispose of batteries by burning them. There is a risk that they will explode and cause serious injury.

## **Warnings**

### **Dysfunction in hearing instruments**

- Hearing instruments may stop functioning, for instance if the batteries have expired or if the speaker is blocked by moisture or ear wax. You should be aware of this possibility, in particular when you are in traffic or otherwise dependent on warning sounds.

### **Active implants**

Caution must be taken with active implants. As general advice, follow the guidelines as recommended by manufacturers of implantable defibrillators and pacemakers regarding use with cell phones:

- If you wear an active implant, then keep the hearing instrument more than 15 cm away from the implant, e.g., do not carry them in a breast pocket.
- If you have an active brain implant, please contact the manufacturer of your implantable device for information about the risk of disturbance.
- The MultiTool has a built-in magnet. If you have an implantable device, such as a pacemaker or defibrillator, the MultiTool should not be carried in a breast pocket or near the chest.

## **Warnings**

### **Explosives**

- The power source in your hearing instrument has insufficient energy to cause fire in normal conditions of use. The hearing instrument has not been tested for compliance with international standards concerning explosive environments. It is recommended not to use your hearing instrument in areas where there is a danger of explosion.

### **X-ray, CT, MR, PET scanning and electrotherapy**

- Remove your hearing instrument during X-ray, CT / MR / PET scanning, electrotherapy or surgery, as your hearing instrument may be damaged when exposed to strong fields.

### **Possible side effects**

- Hearing instruments and ear pieces may cause an accelerated accumulation of ear wax.
- The otherwise non-allergenic materials used in hearing instruments may, in rare cases, cause a skin irritation or another unusual condition.

*Please see a doctor if these conditions occur.*

## Warnings

### **Warning to hearing instrument dispensers**

A hearing instrument dispenser should advise a prospective hearing instrument user to consult immediately with a licensed physician (preferably an ear specialist) before dispensing a hearing instrument if the hearing instrument dispenser determines through inquiry, actual observation, or review of any other available information concerning the prospective user, that the prospective user has any of the following conditions:

- (i) Visible congenital or traumatic deformity of the ear.
- (ii) History of active drainage from the ear within the previous 90 days.
- (iii) History of sudden or rapidly progressive hearing loss within the previous 90 days.
- (iv) Acute or chronic dizziness.
- (v) Unilateral hearing loss of sudden or recent onset within the previous 90 days.
- (vi) Audiometric air-bone gap equal to or greater than 15 decibels at 500 Hertz (Hz), 1,000 Hz, and 2,000 Hz.
- (vii) Visible evidence of significant cerumen accumulation or a foreign body in the ear canal.
- (viii) Pain or discomfort in the ear.

## Warnings

Special care should be exercised in selecting and fitting a hearing instrument whose maximum sound pressure capability exceeds 132 dB SPL as there may be risk of impairing the remaining hearing of the hearing instrument user.

### **Important notice for prospective hearing instrument users**

- Good health practice requires that a person with a hearing loss have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear) before purchasing a hearing instrument. 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 ensure that all medically treatable conditions that may affect hearing are identified and treated before the hearing instrument 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 instrument. The physician will refer you to an audiologist or a hearing instrument dispenser, as appropriate, for a hearing instrument evaluation.

## Warnings

- The audiologist or hearing instrument dispenser will conduct a hearing instrument evaluation to assess your ability to hear with and without a hearing instrument. The hearing instrument evaluation will enable the audiologist or dispenser to select and fit a hearing instrument 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 instrument dispensers now offer programs that permit you to wear a hearing instrument for a period of time for a nominal fee, after which you may decide if you want to purchase the hearing instrument. Federal law limits the sale of hearing instruments 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. A hearing instrument will not restore normal hearing and will not prevent or improve a hearing impairment resulting from organic conditions. A hearing instrument is only part of hearing rehabilitation and may need to be supplemented by auditory training and lip reading.

## **Warnings**

### **Children with hearing loss**

In addition to seeing a physician for 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 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. If the user is an infant, small child, or person of mental incapacity, it is recommended that the hearing instrument be modified with a tamper-resistant battery compartment.



## **Warnings**

### **Interference**

- Your hearing instrument has been thoroughly tested for interference, according to the most stringent international standards. However, interference with your hearing instrument and other devices may occur, for example with some cell phones, citizens band devices and shop alarm systems. If this occurs, increase the distance between the hearing instrument and the device.

### **Wax filter**

- Always visually inspect your hearing instrument to ensure that there is no gap between the wax protection flange and the tip of the mold.
- Always use the same type of wax filter like that which was originally supplied with the instrument.

*If you are in any doubt about the use or replacement of your wax filter, contact your Hearing Care Professional.*

## **Activating the hearing instrument for the first time**

A hearing instrument is a miniature electronic device that runs on special batteries. To activate the hearing instrument, you must insert a new battery in the battery drawer.

The hearing instrument will start up when the battery door is closed. It will take a few seconds until sound is produced. A jingle is played while the start-up process is running. This indicates that the battery is working and the instrument is operating. You may put on the hearing instrument immediately upon closing the battery door.

If the hearing instrument is held in the hand while activated, it may produce a whistling sound. This will stop when properly fitted on the ear.

## Turning your instrument ON and OFF

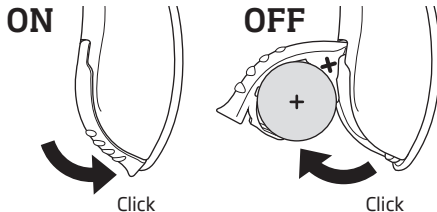
There is no power button: the hearing instrument is turned on and off by opening and closing the battery door.

Turn **ON** your instrument by fully closing the battery door with the battery in place. Turn **OFF** your instrument by opening the battery door slightly until you hear a click.

To preserve the battery, make sure your hearing instrument is switched off when you are not wearing it.

### IMPORTANT NOTICE

Open the battery door fully to allow air to circulate whenever you are not using your hearing instrument, particularly overnight or for longer periods of time.



## Replacing the battery

Your hearing instrument battery size is 10.

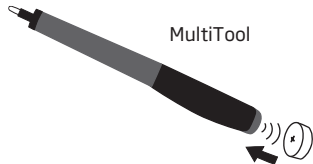
A worn out battery should be removed immediately and disposed of according to local regulations.

You will hear 2 beeps when it is time to replace the battery. This pre-warning will be repeated in moderate intervals until the battery runs out.

If the battery runs out, the instrument will turn itself off. When that happens, 4 beeps are played to indicate that the instrument is no longer operating.

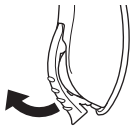
Any moisture on the battery surface should be wiped off before use.

The magnet at the end of the MultiTool may be useful in terms of helping you with the handling of the batteries.



## To replace the battery, follow these instructions:

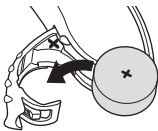
1. Fully open the battery door. Remove the old battery.



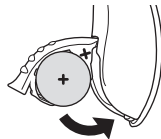
2. Remove the sticky label from the new battery.



3. Place the new battery in the battery drawer. Ensure that the + marking faces the + on the battery door.



4. Close the battery door.



5. When the battery door is closed, the instrument will play a jingle through the speaker. It might take a few seconds before the battery works.



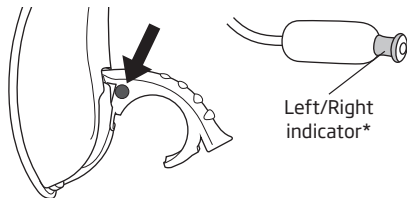
## Left/Right indicator

Hearing instruments are fitted to the uniqueness of each ear, which means if you have two instruments then your left hearing instrument is programmed differently from your right. That is why it is important to distinguish between the left hearing instrument and the right.

In order to easily identify whether it is the left or right ear instrument, color indicators can be applied inside the battery door.

Color indicators are also found on the speakers.

A blue indicator marks the **LEFT** instrument.  
A red indicator marks the **RIGHT** instrument.

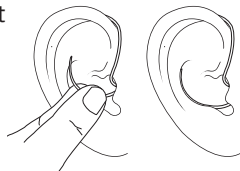


## Putting on your instrument

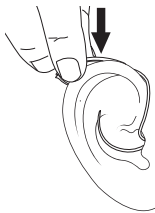
1. Place the speaker, with the ear piece attached, into your ear.



3. If the instrument has an ear grip, place it in the ear so it follows the contour of the ear.



2. Place the instrument behind your ear.



*Make sure that the ear piece is placed so that the tube follows the contour of the skin. If the instrument has a mold as its ear piece, ensure it is positioned in the ear canal tightly but comfortably.*

## Programs (optional with ConnectLine Streamer or Remote Control)







Your hearing instrument can have up to 4 different programs.

The number and type of programs available in your hearing instrument are programmed by your Hearing Care Professional.

If you wish to be able to switch programs yourself, you will need a ConnectLine Streamer or a Remote Control. Ask your Hearing Care Professional for more information.



When switching between the different programs, your hearing instrument will beep. The number of beeps will indicate which program you are using.

	One beep, when you switch to program 1
	Two beeps, when you switch to program 2
	Three beeps, when you switch to program 3
	Four beeps, when you switch to program 4

An overview and description of the hearing programs available in your hearing instrument can be found on the last page of this manual.

## **Volume control (optional with ConnectLine Streamer or Remote Control)**



You can adjust the volume by using a ConnectLine Streamer or a Remote Control. The Streamer or the Remote Control allows you to adjust the volume in specific listening situations to the level you feel comfortable with.

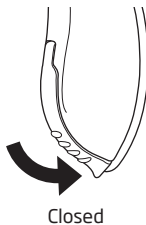
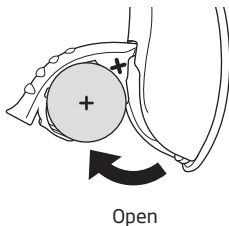
Please contact your Hearing Care Professional for further information.

You hear a click when you increase or decrease the volume on the ConnectLine Streamer or Remote Control.

When the hearing instrument is turned on, it starts up at a preferred volume level. When adjusting the volume control to the preferred level, this is indicated by a beep.

## Quick reset

If you are using the ConnectLine Streamer or the Remote Control to change volume or programs and want to go back to your default setting, just open and then close the battery door and the hearing instrument will restart in the default mode.



## Caring for your hearing instrument

Your ear canal produces ear wax (cerumen) which may clog up the ear piece and sound outlet. Therefore your hearing instrument contains a filter to prevent wax accumulation.

When handling a hearing instrument, keep it over a soft surface to avoid damage if you drop it.

### **Before going to bed:**

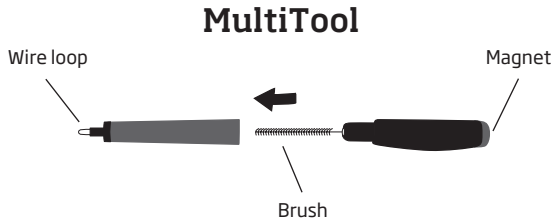
- Make sure that there is no ear wax in the ear piece openings since it may reduce the hearing instrument's efficiency.
- Open the battery door to allow air to circulate and to turn the instrument off.

### **IMPORTANT NOTICE**

The hearing instrument itself and the speaker must never be washed or immersed in water or other liquids.

A range of dedicated cleaning tools is made for cleaning the instrument. These should be used to ensure the best care and performance of your hearing instrument.

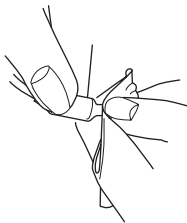
The MultiTool contains a brush and a wire loop for the special purpose of cleaning wax from the mold or LiteTip. Use the cloth to wipe clean the surface of the instrument.



Replace the brush when necessary. Brushes can be purchased from your Hearing Care Professional.

## Maintenance with dome

The speaker should be cleaned regularly. Use the cloth and rub off any ear wax.



The dome should not be cleaned. When you require a fresh, clean dome, remove the existing dome and replace it with a fresh dome (see page 28).

Under the dome you will notice a white wax filter attached to the end of the speaker. The wax filter will prevent debris from damaging the speaker.

## Replacing the wax filter in the speaker

The wax filter should be replaced:

- When you can see that the filter placed in the speaker is clogged.
- When the hearing instrument does not sound normal.

**Use the wax filters delivered by your Hearing Care Professional.**

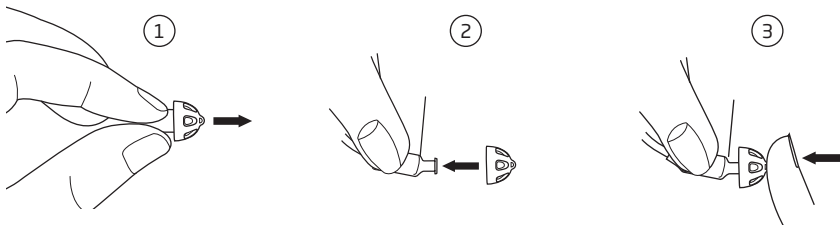
**Detailed instructions on replacing the wax filter can be found inside the wax filter packaging.**



## Replacing the dome

The dome is easy to replace.

Use a finger nail and hold the bottom of the dome. Then pull it off. Place the new dome on the speaker and ensure that it is pressed firmly in place and fastened securely.



We recommend that the dome be replaced at least once a month or as directed by your Hearing Care Professional.



## **IMPORTANT NOTICE**

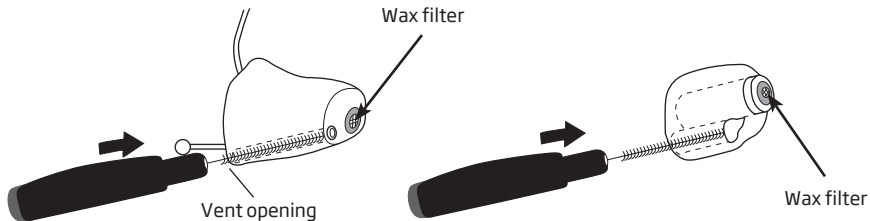
The dome is made of a soft, medically approved rubber material. If the dome comes off in the ear canal, it will not cause any harm. If you can, carefully take it out. If necessary, let another person help you. Do not push the dome into the ear canal. Do not push the speaker into the ear again before the dome is removed from the ear. If you have any doubts about how to proceed if the dome comes off, contact your Hearing Care Professional.

# Maintenance with mold

## Cleaning the mold

The mold should be cleaned regularly.

The vent in the mold is cleaned by pressing the MultiTool brush through the hole while twisting it slightly.



## **Replacing the wax filter in the mold**

The wax filter should be replaced:

- When you can see that the filter placed in the mold is clogged.
- When the hearing instrument does not sound normal.

**The size and type of the wax filter depends on the mold style.  
Use the wax filters delivered by your Hearing Care Professional.**

**Detailed instructions on replacing the wax filter can be found inside the wax filter packaging.**



## **Avoiding heat and chemicals**

Your hearing instrument must never be exposed to extreme heat, e.g., left inside a parked car in the sun. It must not be dried in microwave ovens or other ovens.

If moisture is present, wipe the batteries carefully with a dry cloth to ensure optimal performance.

The chemicals in cosmetics, hairspray, perfume, aftershave lotion, suntan lotion and insect repellent can damage your hearing instrument. You should always remove your hearing instrument before applying such products and allow time for the product to dry before putting on your hearing instrument.

If you use lotion, ensure that you dry your hands before handling your hearing instrument.

## Water resistance

### Your new hearing instrument is water resistant

Although your hearing instrument has achieved an IP57\* classification, it is referred to as being water resistant, not waterproof.

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

- Gently wipe off any water on the outside of the instrument
- Open the battery door and remove the battery
- Gently wipe off any water in the battery drawer
- Let the hearing instrument dry with the battery door left open for approx. 30 minutes
- Insert a new fresh battery and your hearing instrument should work normally again

Using an anti-humidity kit can help to prevent these problems and may even extend the life of your hearing instrument. Consult your Hearing Care Professional for further advice.

## **IMPORTANT NOTICE**

- Do not wear your hearing instrument while showering
- Do not wear your hearing instrument while swimming, snorkelling or diving, as it is not designed for such activities.
- Do not immerse your hearing instrument in water or other liquids

\* IP Code classifies and rates the degrees of protection provided against the intrusion of solid objects (including body parts like hands and fingers), dust, accidental contact, and water in mechanical casings and with electrical enclosures.

## Seven easy steps to better hearing

It takes time to adjust to a new hearing instrument. How long this adjustment takes differs from person to person. It will depend on a number of factors, such as whether you have had a hearing instrument before and the degree of your hearing loss.

### **1. In the quiet of your home**

Try get accustomed to all the new sounds. Listen to the many background sounds and try to identify each one. Bear in mind that some sounds will seem different from what you are used to. You may have to learn to identify them again. Note that in time you will get used to the sounds in your environment - if not please contact your Hearing Care Professional.

If using the hearing instrument makes you tired, take it off for a little while and have a rest. Gradually, you will begin to be able to listen for longer periods of time. Soon, you will be able to wear your hearing instrument comfortably all day long.



## **2. Conversation with another person**

Sit with someone else in a quiet room. Face each other so you can read facial expressions easily. You may experience new speech sounds, which can seem a little disturbing in the beginning. However, after the brain has adapted to the new speech sounds, you should hear speech more clearly.

## **3. Listen to the radio or TV**

When listening to the TV or the radio, start out by listening to news commentators since they usually speak clearly, then try other TV programs.

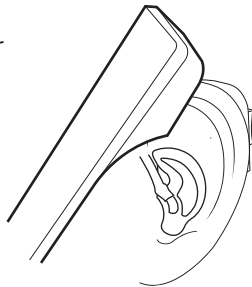
If you find it difficult to listen to the TV or radio, ask your Hearing Care Professional for more information regarding the ConnectLine system and other available accessories.

## **4. In group conversations**

Group situations are usually accompanied by a greater degree of background noise and are, therefore, naturally more difficult to cope with. In such situations, focus your attention on the person you want to hear. If you miss a word, ask the speaker to repeat.

## 5. Using the telephone

When using the telephone, tilt the receiver edge lightly on your cheek bone and position the phone slightly over the ear, close to the hearing instrument's microphone. The sound then flows directly into the hearing instrument's microphone opening. This way, the hearing instrument will not whistle, and you ensure that you have the best conditions to understand the conversation. When you have the receiver in this position, remember to speak directly into the mouthpiece on the telephone in order to ensure good understanding on the other "end of the line."



If you find it difficult to use the telephone, ask your Hearing Care Professional for more information regarding the ConnectLine system and other available accessories.

## **6. Wireless and cell phones**

Your hearing instrument is designed to comply with the most stringent Standards of International Electromagnetic Compatibility. However not all cell phones are hearing instrument-compatible. The varying degree of disturbance can be due to the nature of your particular cell phone.

If you find it difficult to obtain a good result while using your cell phone, ask your Hearing Care Professional for more information regarding the ConnectLine system and other available accessories.

## **7. Use your hearing instrument all day long**

The best way to ensure better hearing is to practice listening until you can wear your hearing instrument comfortably all day. In most cases, you will not get the full benefit of the hearing instrument if you use it infrequently.

Your hearing instrument will not restore normal hearing. Nor will it prevent or improve a hearing impairment resulting from a physiological condition. What it will give you, however, is help towards making better use of the hearing ability that you have. If you have two hearing instruments, always wear both.

## Common problems and their solutions

Symptom	Possible causes
No sound	Worn-out battery
	Clogged sound outlet
Intermittent or reduced sound	Clogged sound outlet
	Moisture
	Worn-out battery
Squealing noise	Hearing instrument not inserted properly
	Ear wax accumulated in ear canal

*If none of the above solutions solves the problem, ask your Hearing Care Professional for assistance.*

<b>Solutions</b>	
Replace the battery	pg. 20 & 21
Clean the mold	pg. 34
Consider replacing the wax filter or dome	pg. 31 & 32
Clean the mold or replace the wax filter or dome	pg. 34, 31 & 32
Wipe the battery with a dry cloth	pg. 37
Replace the battery	pg. 20 & 21
Reinsert the hearing instrument	pg. 23
Have your ear canal examined by your doctor	

## **International warranty**

Your hearing instrument is covered by a limited warranty issued by the manufacturer for a period of 12 months from the date of delivery. This limited warranty covers manufacturing and material defects in the hearing instrument itself, but not accessories such as batteries, tubing, ear wax filters, etc.

Problems arising from improper handling or care, excessive use, accidents, repairs made by an unauthorized party, exposure to corrosive conditions, physical changes in your ear, damage due to foreign objects entering the device, or incorrect adjustments are NOT covered by the limited warranty and may void it.

The above warranty does not affect any legal rights that you might have under applicable national legislation governing sale of consumer goods. Your Hearing Care Professional may have issued a warranty that goes beyond the clauses of this limited warranty. Please consult him/her for further information.

### **If you need service**

Take your hearing instrument to your Hearing Care Professional, who may well be able to sort out minor problems and adjustments on the spot.

# Warranty certificate

Name of owner:

---

Dispenser:

---

Dispenser address:

---

Dispenser phone:

---

Purchase date:

---

Warranty period:

Month:

---

Left model:

Serial no.:

---

Right model:

Serial no.:

---

Battery size: 10

---

## Cell phone

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

According to the ANSI C63.19 standard (ANSI C63.19-2007 American National Standard Methods of Measurement of Compatibility Between Wireless Communications Devices and Hearing Aids), the compatibility of a particular hearing aid and cell phone can be predicted by adding the rating for the hearing aid immunity to the rating for the cell phone emissions. For example, the sum of a hearing aid rating of 2 (M2/T2) and a telephone rating of 3 (M3/T3) would result in a combined rating of 5. Any combined rating that equals at least 5 would provide "normal use"; a combined rating of 6 or greater would indicate "excellent performance".

The immunity of this hearing instrument is M2. The equipment performance measurements, categories and system classifications are based upon the best information available but cannot guarantee that all users will be satisfied.



## **IMPORTANT NOTICE**

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

## **Wireless accessories**

As an enhancement to your wireless hearing instrument, a range of devices can be connected.

### **ConnectLine**

The ConnectLine products can connect your hearing instrument to a number of media and sound sources. This will allow you to receive audio signals from TV, phones, music players, PC or an external microphone wirelessly through your hearing instrument.

### **Remote Control**

The Remote Control offers an opportunity to change programs or adjust the volume in your hearing instruments.

For more information on the ConnectLine system and Remote Control ask your Hearing Care Professional or visit [www.oticonusa.com](http://www.oticonusa.com).

## Technical information

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

The emission power from the radio system is well below international emission limits for Human Exposure. For comparison, the radiation of the hearing instrument is lower than unintended electromagnetic radiation from, for example, halogen lamps, computer monitors, dishwashers, etc. The hearing instrument complies with international standards concerning Electromagnetic Compatibility.

Due to the limited size available on the instrument, all relevant approval markings are found in this document.

The hearing instrument contains a module with:

FCC: U28FU2DRIT

IC: 1350B-FU2DRIT

The device complies with Part 15 of the FCC rules and RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Oticon declares that this hearing instrument complies with with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Declaration of conformity is available at:

Oticon A/S  
Kongebakken 9  
DK-2765 Smørum  
Denmark  
[www.oticon.com](http://www.oticon.com)

CE 0543 0682



Waste from electronic equipment must be handled according to local regulations.



NI 175

IP57

## Settings overview for your hearing instrument

Hearing instrument				
Left		Volume control indicators	Right	
<input type="checkbox"/> On	<input type="checkbox"/> Off	Beeps at min./max. volume	<input type="checkbox"/> On	<input type="checkbox"/> Off
<input type="checkbox"/> On	<input type="checkbox"/> Off	Clicks when changing volume	<input type="checkbox"/> On	<input type="checkbox"/> Off
<input type="checkbox"/> On	<input type="checkbox"/> Off	Beeps at preferred volume	<input type="checkbox"/> On	<input type="checkbox"/> Off
Battery indicators				
<input type="checkbox"/> On	<input type="checkbox"/> Off	Low battery warning	<input type="checkbox"/> On	<input type="checkbox"/> Off

*You can adjust the volume as well as shift programs when using the ConnectLine Streamer or Remote Control.*

## Hearing program description

**Program  
No.**

1

2

3

4





TECHNICAL DATA

designRITE

Oticon | **Alta**

**oticon**  
PEOPLE FIRST

**designRITE 80****80**0 dB SPL ref. 20  $\mu$ Pa

Measurements according to American National Standard ANSI S 3.22 (2003) and S3.7 (1995).

Supply voltage:  
Battery Zinc Air 1.4 Volt

Peak OSPL90	117 dB SPL
HF Average OSPL90	111 dB SPL
Peak Full-on Gain	53 dB
HF Average Full-on Gain	47dB
Reference Test Gain	34 dB
Frequency Range	100-7500 Hz
Total Harmonic Distortion 500 Hz	< 2%
Total Harmonic Distortion 800 Hz	< 2%
Total Harmonic Distortion 1600 Hz	< 2%
Battery Consumption	1.3 mA
Equivalent Input Noise Level (omni/dir)	17/30 dB SPL
HF Average SPLITS (left/right ear)	-
Attack Time	1 ms
Release Time	81 ms

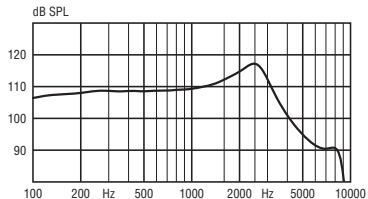
## designRITE 80

80

### OSPL90 - Output Sound Pressure Level

Input: 90 dB SPL.

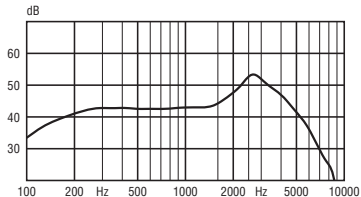
Technical setting: A0



### Full-on Gain

Input: 50 dB SPL.

Technical setting: A0





**TECHNICAL DATA**

**designRITE**

Oticon | **Nera**

Oticon | **Ria**

**oticon**  
PEOPLE FIRST

**designRITE 80****80**0 dB SPL ref. 20  $\mu$ Pa

Measurements according to American National Standard ANSI S 3.22 (2003) and S3.7 (1995).

Supply voltage:  
Battery Zinc Air 1.4 Volt

Peak OSPL90	117 dB SPL
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Frequency Range	100-7000 Hz
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Total Harmonic Distortion 1600 Hz	< 2%
Battery Consumption	1.3 mA
Equivalent Input Noise Level (omni/dir)	17/30 dB SPL
HF Average SPLITS (left/right ear)	-
Attack Time	1 ms
Release Time	81 ms

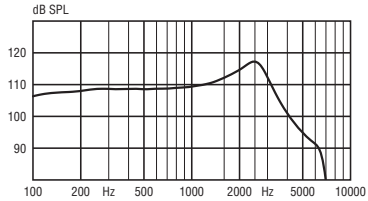
## designRITE 80

80

### OSPL90 - Output Sound Pressure Level

Input: 90 dB SPL.

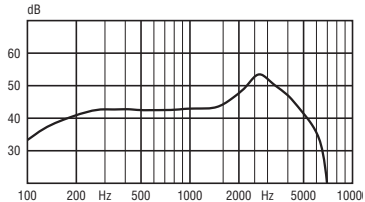
Technical setting: A0



### Full-on Gain

Input: 50 dB SPL.

Technical setting: A0









## People First

People First is our promise  
to empower people  
to communicate freely,  
interact naturally and  
participate actively



0000144248000001

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PEOPLE FIRST