

Instructions for use

OTICON | **Opn**
miniRITE
miniRITE-T



Made for



iPod



iPhone



iPad

oticon
PEOPLE FIRST

Model overview

This booklet is valid for the Oticon Opn™ family in the following hearing aid models and styles:

FW 4

- Oticon Opn 1 miniRITE GTIN: (01) 05707131330697
- Oticon Opn 2 miniRITE GTIN: (01) 05707131330703
- Oticon Opn 3 miniRITE GTIN: (01) 05707131330710
- Oticon Opn 1 miniRITE-T GTIN: (01) 05707131330697
- Oticon Opn 2 miniRITE-T GTIN: (01) 05707131330703
- Oticon Opn 3 miniRITE-T GTIN: (01) 05707131330710

The following speakers are available for the above models and styles:

- Speaker 60
- Speaker 85
- Speaker 100 (Power Instrument)
- Power Receiver Mold speaker 100 (Power Instrument)
- Power Receiver Mold speaker 105 (Power Instrument)

FW 5

- Oticon Opn 1 miniRITE GTIN: (01) 05707131335227
- Oticon Opn 2 miniRITE GTIN: (01) 05707131335234
- Oticon Opn 3 miniRITE GTIN: (01) 05707131335241
- Oticon Opn 1 miniRITE-T GTIN: (01) 05707131335227
- Oticon Opn 2 miniRITE-T GTIN: (01) 05707131335234
- Oticon Opn 3 miniRITE-T GTIN: (01) 05707131335241

The following speakers are available for the above models and styles:

- Speaker 60
- Speaker 85
- Speaker 100 (Power Instrument)
- Power Receiver Mold speaker 100 (Power Instrument)
- Power Receiver Mold speaker 105 (Power Instrument)

Introduction to this booklet

This booklet guides you on how to use and maintain your new hearing aid. Please read the booklet carefully, including the **Warning section**. This will help you to get the most out of your new hearing aid.

Your hearing care professional has adjusted the hearing aid to meet your needs. If you have further questions, please contact your hearing care professional.

| **About** | [Startup](#) | [Handling](#) | [Options](#) | [Tinnitus](#) | [Warnings](#) | [More info](#) |

For your convenience, this booklet contains a navigation bar to help you easily navigate through the different sections.

Intended use

The hearing aid is intended to amplify and transmit sound to the ear, and thereby compensating for impaired hearing within mild to severe-to-profound hearing loss. This hearing aid is intended for use by adults and children older than 36 months.

IMPORTANT NOTICE

The hearing aid amplification is uniquely adjusted and optimized to your personal hearing capabilities during the hearing aid fitting performed by your hearing care professional.

Table of contents 1/2

About		
	Identify your hearing aid, speaker, and earpiece	10
	miniRITE	12
	miniRITE-T	14
	Identify left and right hearing aid	16
	Battery (size 312)	17
	MultiTool for handling batteries and cleaning	18
Start up		
	Turn the hearing aid ON and OFF	20
	When to replace the battery	21
	Replace the battery	22
Handling		
	Put on the hearing aid	24
	Caring for your hearing aid	25
	Standard earpieces: dome or Grip Tip	26
	Replace dome or Grip Tip	27
	ProWax miniFit filter	28
	Replace ProWax miniFit filter	29
	Customized earpieces: MicroMold, LiteTip, or Power Receiver Mold	30
	Clean the MicroMold, LiteTip, or Power Receiver Mold	31
	Replace ProWax filter	32
	Flight mode	33
Options		
	Optional features and accessories	34
	Mute the hearing aid	35
	Change volume miniRITE	36
	Change volume miniRITE-T	37
	Change program	38
	Quick reset	40
	Use hearing aids with iPhone, iPad, and iPod touch	41

Continues on next page

Table of contents 2/2

Pair hearing aids with iPhone	42
Reconnect your hearing aids to your iPhone, iPad, or iPod touch	44
Oticon ON App	45
Wireless accessories	46
Other options	47
Tinnitus	
Tinnitus SoundSupport™ (optional)	48
Guidelines for tinnitus sound generator users	49
Sound options and volume adjustment	50
Limitation on use time	54
Important information for hearing care professionals about Tinnitus SoundSupport	55
Warnings related to Tinnitus	57

Warnings

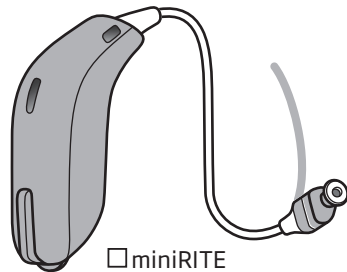
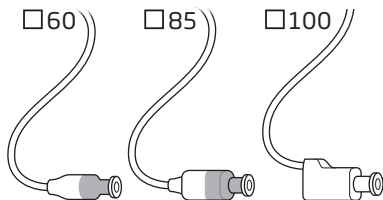
General warnings	58
More info	
Troubleshooting guide	66
Water & dust resistant (IP68)	68
Conditions of use	69
Warranty certificate	70
International warranty	71
Mobile phone	72
Technical information	74
Your individual hearing aid settings	78
Technical Data	80

Identify your hearing aid, speaker, and earpiece

This will make it easier for you to navigate through this booklet.





Speakers

The hearing aids use one of the following speakers:

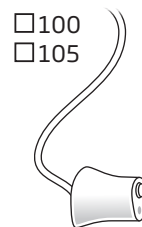


Earpieces

The speaker uses one of the following earpieces:

-  Dome (open dome shown)*
-  Grip Tip*
-  VarioTherm® MicroMold or LiteTip
-  MicroMold or LiteTip

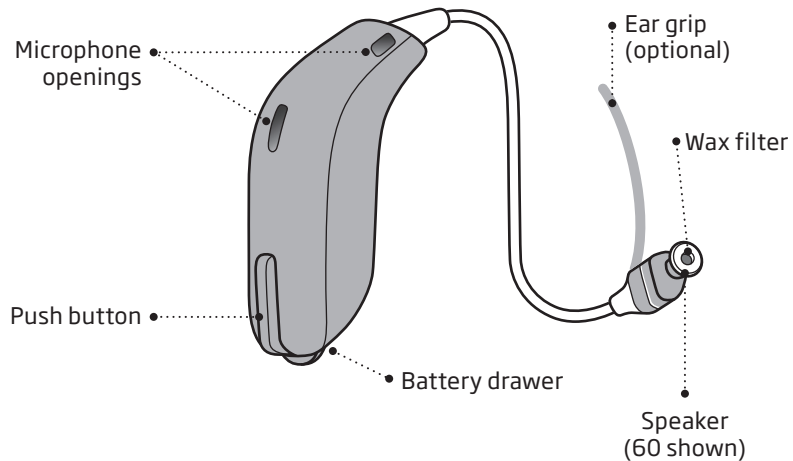
Power Receiver Mold speakers



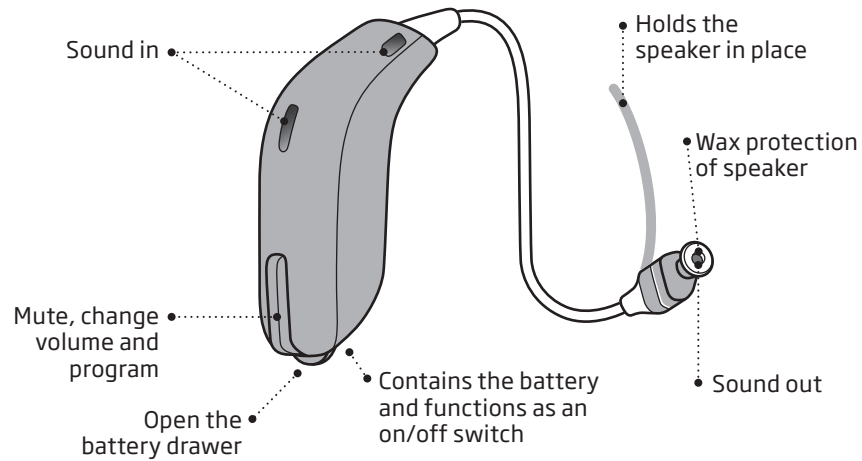
* Please see details for replacing the dome or Grip Tip in chapter "Replace dome or GripTip"
® VarioTherm is a registered trademark of Dreve

miniRITE

What it is

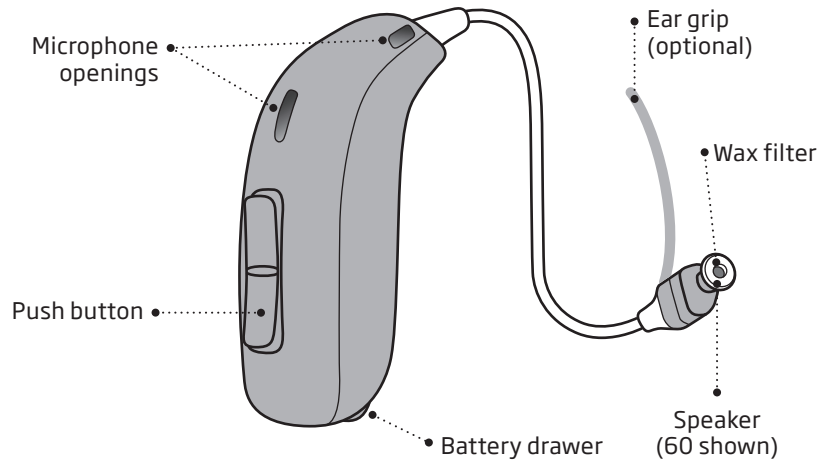


What it does

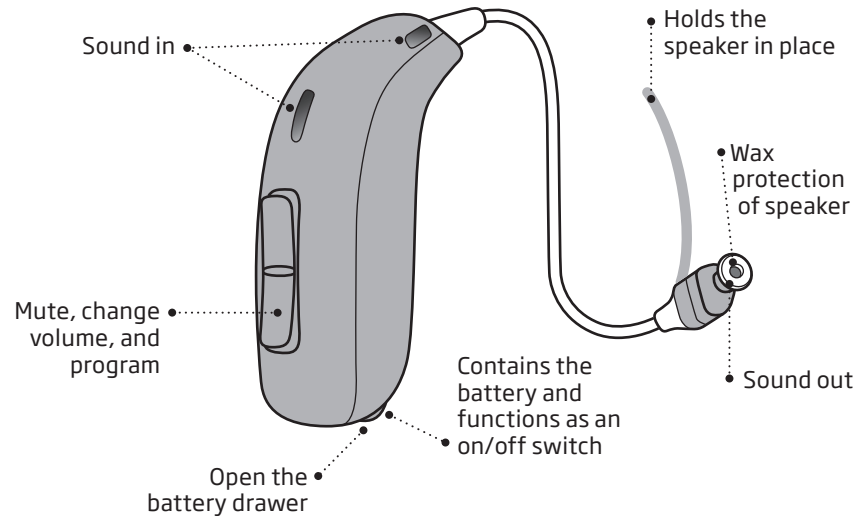


miniRITE-T

What it is



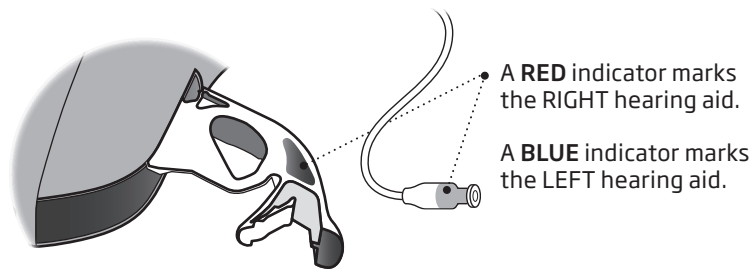
What it does



Identify left and right hearing aid

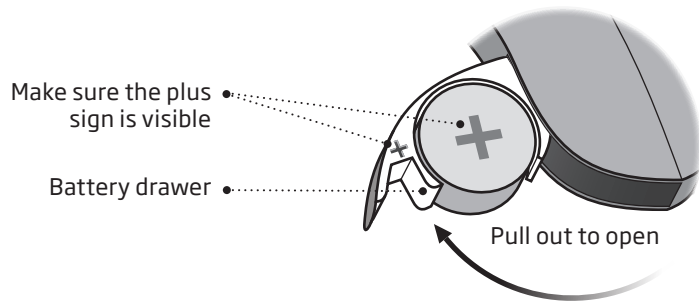
It is important to distinguish between the left and the right hearing aid, as they may be programmed differently.

You can find left/right color indicators in the battery drawer and on 60 and 85 speakers as shown. Indicators can also be found on 100 speakers and some earpieces.



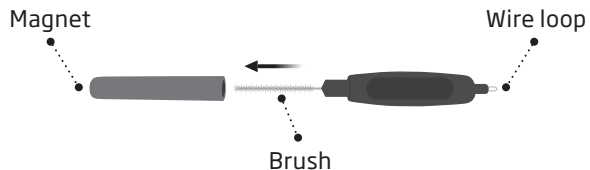
Battery (size 312)

Your hearing aid is a miniature electronic device that runs on special batteries. To activate the hearing aid, you must insert a new battery in the battery drawer. See chapter "Replace the battery".



MultiTool for handling batteries and cleaning

The MultiTool contains a magnet that makes it easier to replace the battery in the hearing aid. It also contains a brush and wire loop for cleaning and removing earwax. If you need a new MultiTool, please contact your hearing care professional.



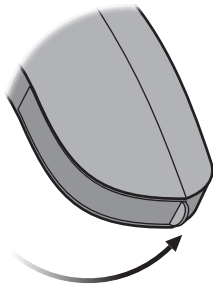
IMPORTANT NOTICE

The MultiTool has a built-in magnet. Keep the MultiTool at least 30 cm away from credit cards and other magnetically sensitive devices.

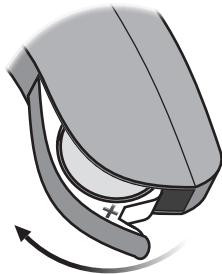
Turn the hearing aid ON and OFF

The battery drawer is used to switch the hearing aid on and off. To save battery life, make sure your hearing aid is switched off when you are not wearing it.

Turn ON
Close the battery drawer with the battery in place.



Turn OFF
Open the battery drawer.



When to replace the battery

When it is time to replace the battery, you will hear three beeps repeated at moderate intervals until the battery runs out.



Three beeps*
= The battery is running low



Four beeps
= The battery has run out

Battery tip

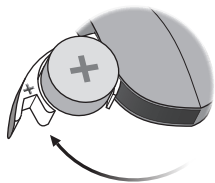
To make sure the hearing aid is always working, bring spare batteries with you, or replace the battery before you leave home.

* Bluetooth will be shut down and it is not possible to use wireless accessories.

Note: The batteries need to be replaced more often if you are streaming audio or music to your hearing aids.

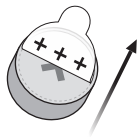
Replace the battery

1. Remove



Fully open the battery drawer. Remove the battery.

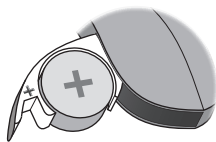
2. Uncover



Remove the sticky label from the + side of the new battery.

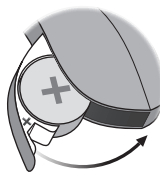
Tip:
Wait 2 minutes so that the battery can draw air, to make sure to function optimally.

3. Insert



Insert the new battery into the battery drawer. Make sure the + side is facing up.

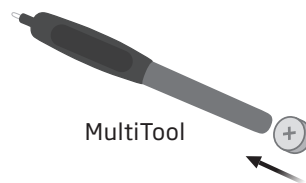
4. Close



Close the battery drawer. The hearing aid will play a jingle through the earpiece.

Hold the earpiece close to your ear to hear the jingle.

Tip



The MultiTool can be used to change the battery. Use the magnetic end to remove and insert batteries.

The MultiTool is provided by your hearing care professional.

Put on the hearing aid

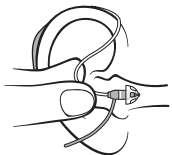
Step 1



Place the hearing aid behind your ear.

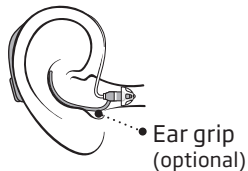
The speaker should always be used with an earpiece attached. Use only parts designed for your hearing aid.

Step 2



Hold the bend of the speaker wire between your thumb and index finger. The earpiece should point towards opening of the ear canal.

Step 3



Gently push the earpiece into your ear canal until the speaker wire sits close to your head.

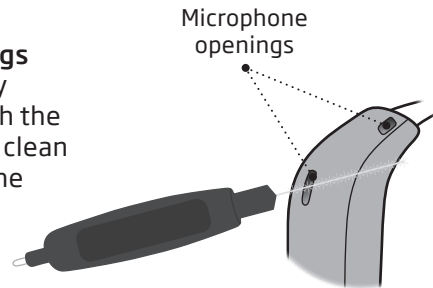
If the speaker has an ear grip, place it in the ear so it follows the contour of the ear.

Caring for your hearing aid

When handling your hearing aid, hold it over a soft surface to avoid damage if you drop it.

Clean the microphone openings

Carefully brush any debris away from the openings. Gently brush the surface. Make sure the brush is clean and that it is not pressed into the openings.

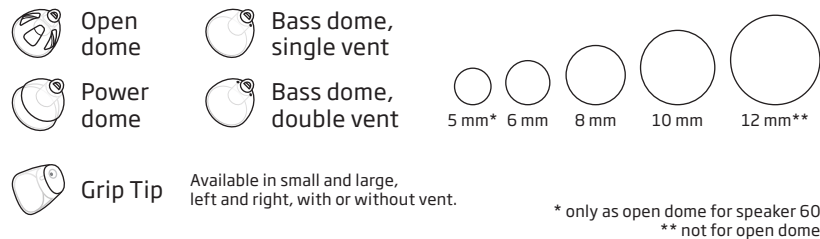


IMPORTANT NOTICE

Use a soft, dry cloth to clean the hearing aid. The hearing aid must never be washed or immersed in water or other liquids.

Standard earpieces: dome or Grip Tip

Both domes and Grip Tip are made of soft rubber material. There are 4 different types of domes. Identify your earpiece type and size below.



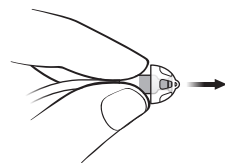
IMPORTANT NOTICE

If the earpiece is not attached to the speaker when removed from the ear, the earpiece may still be in the ear canal. Consult your hearing care professional for further instructions.

Replace dome or Grip Tip

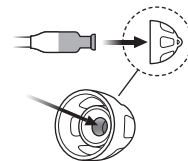
The standard earpiece (dome or Grip Tip) should not be cleaned. If the earpiece is filled with wax, replace it with a new one. Grip Tip should be replaced at least once a month.

Step 1



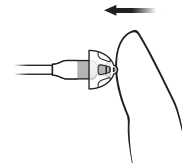
Hold on to the speaker and then pull off the earpiece.

Step 2



Insert the speaker exactly into the middle of the earpiece to obtain a secure attachment.

Step 3

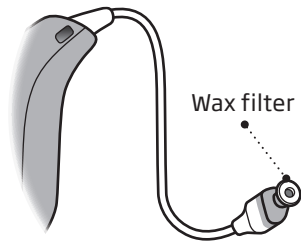


Push firmly to ensure that the earpiece is fastened securely.

ProWax miniFit filter

The speaker has a white wax filter attached to the end where the earpiece is attached. The wax filter keeps wax and debris from damaging the speaker. If the filter becomes clogged, please replace the wax filter or contact your hearing care professional.

Remove the earpiece from the speaker before replacing the wax filter.

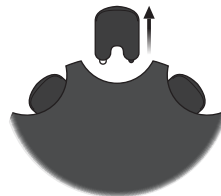


IMPORTANT NOTICE

Always use the same type of wax filter as was originally supplied with the hearing aid. If you are in any doubt about the use or replacement of wax filters, contact your hearing care professional.

Replace ProWax miniFit filter

1. Tool



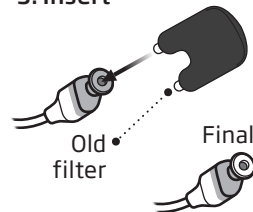
Remove the tool from the shell. The tool has two pins, one empty for removal and one with the new wax filter.

2. Remove



Push the empty pin into the wax filter in the speaker and pull it out.

3. Insert



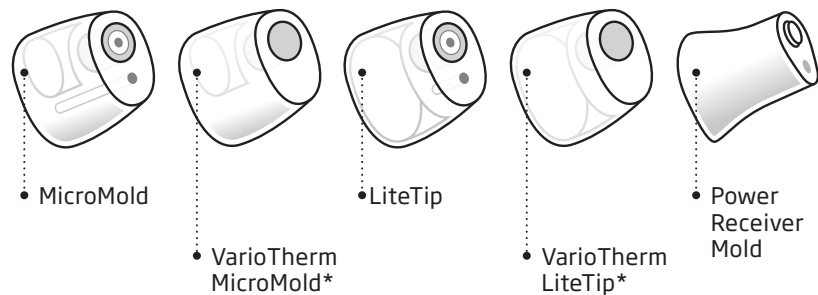
Insert the new wax filter using the other pin, remove the tool, and throw it out.

Note:

If you use a mold, a hearing care professional must replace the wax filter in the speaker.

Customized earpieces: MicroMold, LiteTip, or Power Receiver Mold

There are three different types of molds: MicroMold, LiteTip, and Power Receiver Mold. MicroMold and LiteTip are available in two different materials. The earpieces are customized for your ear.



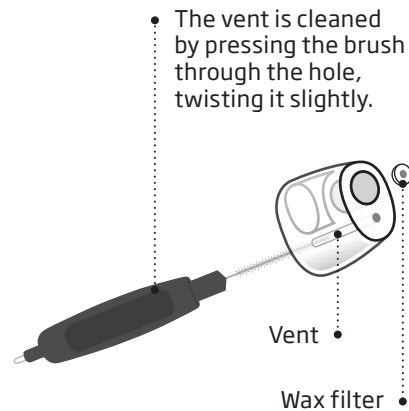
* VarioTherm MicroMold and LiteTip do not have a wax filter

Clean the MicroMold, LiteTip, or Power Receiver Mold

The mold should be cleaned regularly.

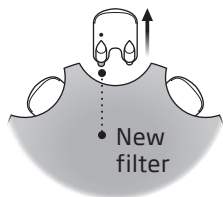
The mold has a wax filter that must be replaced when clogged or if the hearing aid does not sound normal.

Always use the wax filter provided by your hearing care professional.



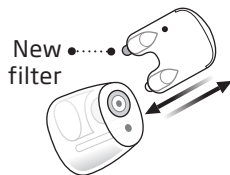
Replace ProWax filter

1. Tool



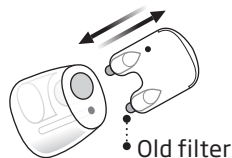
Remove the tool from the shell. The tool has two pins, one empty for removal and one with the new wax filter.

2. Remove



Push the empty pin into the wax filter in the mold and pull it out.

3. Insert

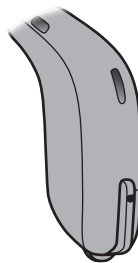


Insert the new wax filter using the other pin, remove the tool, and throw it out.

Flight mode

When boarding an airplane or entering an area in which it is prohibited to radiate radio signals, e.g. during flight, flight mode must be activated. The hearing aid will still be working. It is only necessary to activate flight mode on one hearing aid.

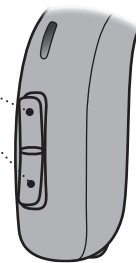
miniRITE



To activate and deactivate
Press the push button for at least 7 seconds. A jingle confirms your action.

Opening and closing the battery drawer will also deactivate flight mode. See chapter "Quick reset".

miniRITE-T



Press either end of the button

Optional features and accessories

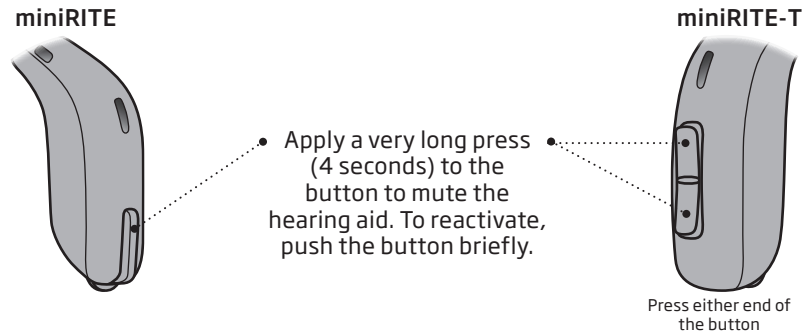
The features and accessories described on the following pages are optional. Please contact your hearing care professional to find out how your hearing aid is programmed.

If you experience difficult listening situations, a special program may be helpful. These are programmed by your hearing care professional.

Write down any hearing situations in which you may need help.

Mute the hearing aid

Use the mute function if you need to silence the hearing aid.

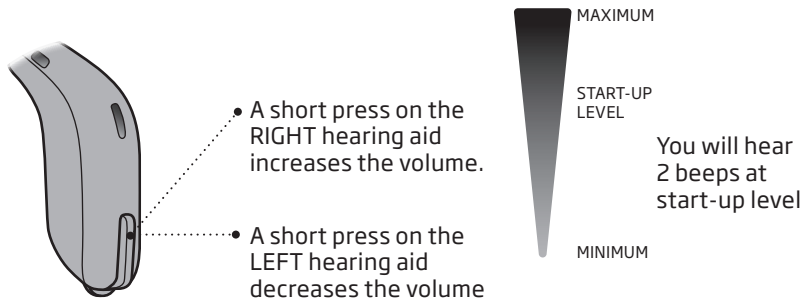


IMPORTANT NOTICE

Do not use the mute function as an off switch, as the hearing aid still draws current from the battery in this mode.

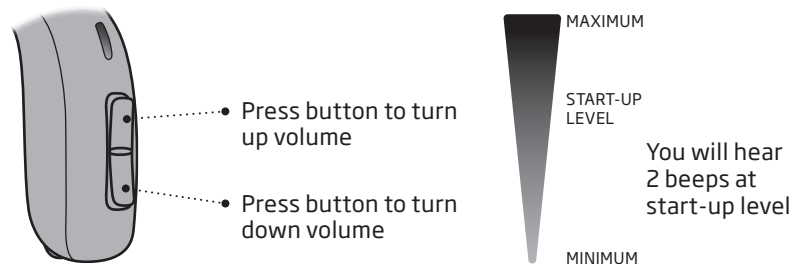
Change volume miniRITE

The push button allows you to adjust the volume.
You will hear a click when you turn the volume up or down.



Change volume miniRITE-T

The push button allows you to adjust the volume.
You will hear a click when you turn the volume up or down.







To be filled out by the hearing care professional

Volume change	<input type="checkbox"/> LEFT	<input type="checkbox"/> RIGHT	<input type="checkbox"/> Short press
---------------	-------------------------------	--------------------------------	--------------------------------------

Change program

Your hearing aid can have up to 4 different programs. These are programmed by your hearing care professional.

To be filled out by the hearing care professional

Program	Activation sound	When to use
1	 "1 beep"	
2	 "2 beeps"	
3	 "3 beeps"	
4	 "4 beeps"	

miniRITE

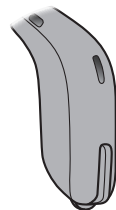
Press the button to change program

Note that if you have two hearing aids, the RIGHT hearing aid switches forwards, e.g. from program 1 to 2, and the LEFT hearing aid switches backwards, e.g. from program 4 to 3.

Change program

Short press

Long press



miniRITE-T

Press up or down between programs

Note that you can change continuously between programs - both up and down in the program order. For example if, you want to go from program 1 to 4, you can press the down button once instead of pressing the up button 3 times.

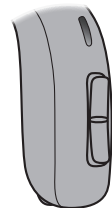
Change program

LEFT

RIGHT

Short press

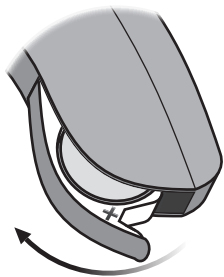
Long press



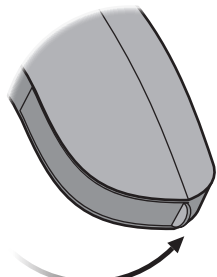
Quick reset

If you wish to return to the standard settings of the hearing aid programmed by your hearing care professional, simply open and then close the battery drawer. A jingle will play when you reset the hearing aid.

Open



Close



Use hearing aids with iPhone, iPad, and iPod touch

Your hearing aids are Made for iPhone® and allow for direct communication and control with iPhone, iPad® or iPod touch®. For assistance in using these products with your hearing aids, please contact your hearing care professional

or visit our support site at: www.oticon.com/support

On the website, you can also find information on compatibility.

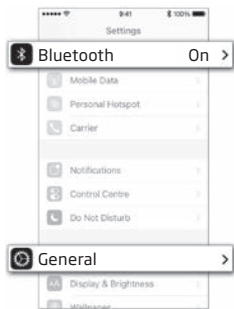


Note: Direct audio streaming is currently not supported by Android.

Oticon Opn is compatible with iPhone 7 Plus, iPhone 7, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, 9.7-inch iPad Pro, 12.9-inch iPad Pro, iPad Air 2, iPad Air, iPad (4th generation), iPad mini 4, iPad mini 3, iPad mini 2, iPad mini, and iPod touch (5th and 6th generation). Devices must be running iOS 9.3 or later.

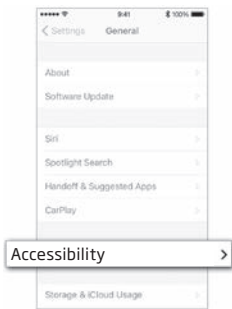
Pair hearing aids with iPhone

1. Settings



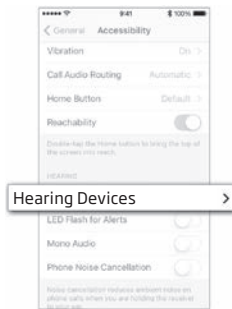
Open your iPhone and go to "Settings". Make sure Bluetooth is on. Then choose "General".

2. General



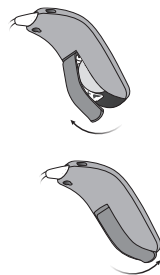
On the "General" screen, choose "Accessibility".

3. Accessibility



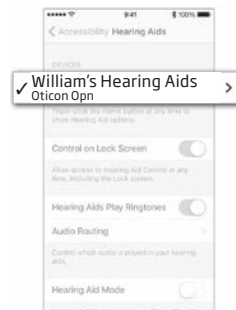
On the "Accessibility" screen, choose "Hearing Devices".

4. Prepare



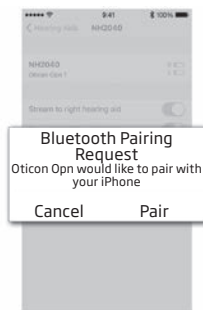
Open and close the battery drawer on both hearing aids, and place them close to your iPhone. The hearing aids remain in pairing mode for 3 minutes.

5. Select



Your iPhone will detect the hearing aids for pairing. Detected devices will appear in your iPhone list. Choose your hearing aids.

6. Confirm pairing



Confirm pairing. If you have two hearing aids, pairing confirmation is needed for each hearing aid.

Reconnect your hearing aids to your iPhone, iPad, or iPod touch

When you turn off your hearing aids or Apple® device, they will no longer be connected. To connect them again, turn on your hearing aids by opening and closing the battery door. The hearing aids will then automatically reconnect to your Apple device.

“Made for iPod”, “Made for iPhone”, and “Made for iPad” mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

Apple, the Apple logo, iPhone, iPad, iPod touch, and Apple Watch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Android, Google Play, and the Google Play logo are trademarks of Google Inc.

Oticon ON App

Oticon ON App for iPhone, iPad, iPod touch, and Android™ devices offers an intuitive and discreet way to control your hearing aids. Oticon ON App also enables you to connect and control an endless range of other devices by linking to IFTTT via the internet. Go to www.oticon.com/support for more details and information on compatibility.

Oticon ON App is available on the App Store® and on Google Play™. When downloading Oticon ON App on iPad, search for iPhone apps on the App Store.



Note: Direct audio streaming is currently not supported by Android.

Wireless accessories

As an enhancement to your wireless hearing aids, a range of wireless accessories are available. These can enable you to hear and communicate better in many everyday situations.

ConnectClip*

When ConnectClip is paired with your mobile phone, you can use the hearing aids as a hands-free headset.

TV Adapter 3.0

TV Adapter is a wireless transmitter of sound from TV and electronic audio devices. TV Adapter streams sound directly to your hearing aids.

Remote Control 3.0

Remote Control offers the ability to change program, adjust volume, or mute your hearing aids.

For more information, please contact your hearing care professional or visit: www.oticon.com

Other options



Telecoil - optional for miniRITE-T

Telecoil helps you hear better when using a telephone with a built-in loop or when you are in buildings with teleloop systems such as theaters, churches, or lecture rooms. This symbol or a similar sign is shown wherever a teleloop has been installed.



Autophone

The autophone can automatically activate a phone program in the hearing aid, if your phone has a dedicated magnet. The magnet needs to be placed on your phone.

For more information, please contact your hearing care professional.

*ConnectClip will be available during second half on 2017

Tinnitus SoundSupport™ (optional)

Intended use of Tinnitus SoundSupport

Tinnitus SoundSupport is a tool intended to generate sounds to provide temporary relief for patients suffering from tinnitus as part of a tinnitus management program.

The target population is the adult population (over 18 years old).

Tinnitus SoundSupport is targeted to licensed hearing care professionals (audiologists, hearing aid specialists, or otolaryngologists) who are familiar with the evaluation and treatment of tinnitus and hearing loss. Fitting of Tinnitus SoundSupport must be done by a hearing care professional participating in a tinnitus management program.

Guidelines for tinnitus sound generator users

These instructions contain information about Tinnitus SoundSupport, which may have been enabled in your hearing aids by your hearing care professional.

Tinnitus SoundSupport is a tinnitus management device intended to generate sound of sufficient intensity and bandwidth to help manage tinnitus.

Your hearing care professional will also be able to offer the appropriate follow-up care. It is important to follow his/her advice and directions regarding such care.

Prescription use only

Good health practice requires that a person reporting tinnitus have a medical evaluation by a licensed ear physician before using a sound generator. The purpose of such an evaluation is to ensure that any medically treatable condition that may cause tinnitus is identified and treated prior to using a sound generator.

Sound options and volume adjustment

Tinnitus SoundSupport is programmed by your hearing care professional to match your hearing loss and preferences for tinnitus relief. It offers a number of different sound options. Together with your hearing care professional, you can select your preferred sound(s).

Tinnitus SoundSupport programs

Together with your hearing care professional you decide for which programs you may want to have Tinnitus SoundSupport activated. The sound generator can be activated in up to four different programs.

Mute

If you are in a program for which Tinnitus SoundSupport is activated, the mute functionality will mute only the environmental sounds, and not the sound from Tinnitus SoundSupport. See chapter: "Mute the hearing aid".

Volume adjustments with Tinnitus SoundSupport

When you select a hearing aid program for which Tinnitus SoundSupport is activated, your hearing care professional can only set the push button on your hearing aid to work as a volume control for the tinnitus relief sound.

Your hearing care professional will set the volume control for the sound generator in one of two ways:

- A) Change volume in each ear separately, or
- B) Change volume in both ears simultaneously.

miniRITE

<input type="checkbox"/>	<p>A) How to change Tinnitus SoundSupport volume in each ear separately</p> <p>To increase volume (on one hearing aid only), use a short press on the push button repeatedly until desired level is reached. The sound will always be louder with the first press(es) until two beeps are heard. Hereafter the volume will decrease.</p> <p>To decrease volume (on only one hearing aid), continue to press the push button repeatedly until desired level is reached.</p>
<input type="checkbox"/>	<p>B) How to change Tinnitus SoundSupport volume in both ears simultaneously</p> <p>You can use one hearing aid to increase the sound and the other hearing aid to decrease the sound:</p> <p>To increase volume, use a short press on the push button repeatedly on the RIGHT hearing aid.</p> <p>To decrease volume, use a short press on the push button repeatedly on the LEFT hearing aid.</p>

To be filled out by your hearing care professional.

miniRITE-T

<input type="checkbox"/>	<p>A) How to change Tinnitus SoundSupport volume in each ear separately</p> <p>To increase volume (on one hearing aid only), use a short press on the upper part of the push button repeatedly until desired level is reached.</p> <p>To decrease volume (on one hearing aid only), use a short press on the lower part of the push button repeatedly until desired level is reached.</p>
<input type="checkbox"/>	<p>B) How to change Tinnitus SoundSupport volume in both ears simultaneously</p> <p>You can use one hearing aid to increase/decrease the sound in both hearing aids. When changing the volume in one hearing aid, the volume on the other hearing aid will follow.</p> <p>To increase volume, use a short press on the upper part of the push button repeatedly.</p> <p>To decrease volume, use a short press on the lower part of the push button repeatedly.</p>

To be filled out by your hearing care professional.

Limitation on use time

Daily use

The volume levels of Tinnitus SoundSupport can be set to a level which could lead to permanent hearing damage when used for a prolonged period of time. Your hearing care professional will advise you of the maximum amount of time per day you should use Tinnitus SoundSupport. It should never be used at uncomfortable levels.

See table “Tinnitus SoundSupport: Limitation on use” individual hearing aid settings” at the end of this booklet to learn how many hours per day you can safely use the relief sound in your hearing aids.

Important information for hearing care professionals about Tinnitus SoundSupport

Device description

Tinnitus SoundSupport is a module function that can be enabled in the hearing aids by the hearing care professional.

Maximum wearing time

The wearing time of Tinnitus SoundSupport will decrease as you increase the level above 80 dB(A) SPL. The fitting software will automatically display a warning when the hearing aid exceeds 80 dB(A) SPL. See “Max wearing time indicator” next to the tinnitus fitting graph in the fitting software.

The volume control is deactivated

By default the volume control for the sound generator is deactivated in the hearing aid. Risk of noise exposure increases when the volume control is activated.

If the volume control is activated

A warning may be displayed if you activate the tinnitus volume control in the “Buttons & Indicators” screen. This occurs if the relief sound can be listened to at levels that may cause hearing damage. The “Max wearing time” table in the fitting software displays the number of hours the patient can safely use Tinnitus SoundSupport.

- Note the max wearing time for each program for which Tinnitus SoundSupport is activated.
- Write those values in the table: “Tinnitus SoundSupport: Limitation on use”, in the back of this booklet.
- Instruct your patient accordingly.

Warnings related to Tinnitus

If your hearing care professional has activated the sound generator Tinnitus SoundSupport, please pay attention to the following warnings.

There are some potential concerns associated with the use of any sound generated by a tinnitus management device. Among them are the potential worsening of tinnitus, and/or a possible change in hearing thresholds.

Should you experience or notice a change in hearing or tinnitus, or any dizziness, nausea, headaches, heart palpitations, or possible skin irritation at the point of contact with the device, you should immediately discontinue use of the device and consult a medical, audiology, or other hearing care professional.

As with any device, misuse of the sound generator feature may cause potentially harmful effects. Care should be taken to prevent unauthorized use and to keep the device out of reach of children and pets.

Maximum wearing time

Always follow the maximum wearing time per day of the Tinnitus SoundSupport advised by your hearing care professional. Prolonged use may lead to worsening of your tinnitus or of your hearing loss.

General warnings

You should familiarize yourself fully with the following general warnings before using your hearing aid for your personal safety and to ensure correct use.

Please note that a hearing aid will not restore normal hearing and will not prevent or improve a hearing impairment resulting from organic conditions. Furthermore, note that in most cases, infrequent use of a hearing aid does not permit a user to attain full benefit from it.

Consult your hearing care professional if you experience unexpected operations or events with your hearing aid.

Usage of hearing aids

Hearing aids 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 aid, as incorrect usage could cause permanent damage to their hearing.

Choking hazards & risk of swallowing batteries and other small parts

Hearing aids, their parts, and batteries should be kept out of reach of children and anyone who might swallow these items or otherwise cause injury to themselves.

Batteries have occasionally been mistaken for pills. Therefore, check your medicine carefully before swallowing any pills.

Most hearing aids can be supplied with a tamper-resistant battery drawer upon request. This is strongly recommended for infants, small children, and people with learning difficulties.

Children younger than 36 months must always use a tamper-resistant battery drawer. Please talk to your hearing care professional about the availability of this option.

If a battery or hearing aid is swallowed, see a doctor immediately and contact the National Poison Center at 1-800-222-1222 or National Battery Ingestion Hotline at 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, and never dispose of batteries by burning them. There is a risk that the batteries will explode.

Dysfunction

Be aware of the possibility that your hearing aid may stop working without notice. Keep this in mind when you depend on warning sounds (e.g. when you are in traffic). The hearing aids may stop functioning, for instance if the batteries have expired or if the tubing is blocked by moisture or earwax.

Active implants

Caution must be taken with active implants. In general, follow the guidelines recommended by manufacturers of implantable defibrillators and pacemakers regarding use with mobile phones and magnets.

General warnings

The Autophone magnet and MultiTool (which has a built-in magnet) should be kept at least 30 cm away from the implant, e.g. do not carry it 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.

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

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

Heat and chemicals

The hearing aid must never be exposed to extreme heat, e.g. left inside a parked car in the sun.

The hearing aid must not be dried in microwave ovens or other ovens.

The chemicals in cosmetics, hairspray, perfume, aftershave lotion, suntan lotion, and insect repellent can damage the hearing aid. Always remove your hearing aid before applying such products and allow time to dry before use.

Power instrument

Special care should be exercised in selecting, fitting and using a hearing aid whose maximum sound pressure capability exceeds 132 dB SPL (IEC 711), as there may be risk of impairing the remaining hearing of the hearing aid user.

For information on whether your hearing aid is a power instrument, see the Model overview section in the front of this booklet.

Possible side effects

Hearing aids and earpieces may cause an accelerated accumulation of earwax.

The otherwise non-allergenic materials used in hearing aids may in rare cases lead to a skin irritation or other side effects.

Please seek consultation with a physician if these conditions occur.

Interference

The hearing aid has been thoroughly tested for interference, in accordance with the most stringent international standards. However, interference between the hearing aid and other devices (e.g. some mobile telephones, citizens band systems, and shop alarm systems,

and other devices) may occur. If this occurs, increase the distance between the hearing aid and the interfering device.

Use on aircraft

Your hearing aid contains Bluetooth. On board an aircraft, flight mode must be activated, unless Bluetooth is permitted by the flight personnel.

Connection to external equipment

The safety of the hearing aid when connected to external equipment (via auxiliary input cable, via USB cable, or directly), is determined by the external equipment. When connected to external equipment plugged into a wall outlet, this equipment must comply with IEC-60065, IEC-60950 or equivalent safety standards.

General warnings

Warning to hearing care professional

A hearing care professional should advise a prospective hearing aid user to consult immediately 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:

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

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

Important notice for prospective hearing aid users

Good health practice requires that a person with a hearing loss have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear) before purchasing a hearing aid. Licensed physicians who specialize in diseases of the ear are often referred to as Otolaryngologists, Otologists or

Otorhinolaryngologists. The purpose of medical evaluation is to ensure 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 aid dispenser, as appropriate, for a hearing aid evaluation.

General warnings

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 dispenser to select and fit a hearing aid to your individual needs. If you have reservations about your ability to adapt to amplification, you should inquire about the availability of a trial, rental or purchase-option program. Many hearing 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 limits 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. A hearing aid will not restore normal hearing and will not prevent or improve a hearing impairment resulting from organic conditions. A hearing aid is only part of hearing rehabilitation and may need to be supplemented by auditory training and lip reading.

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 aid be modified with a tamper-resistant battery compartment.

Troubleshooting guide

Symptom	Possible causes	Solutions
No sound	Dead battery	Replace the battery
	Clogged earpieces (dome, Grip Tip, or mold)	Clean mold
		Consider replacing wax filter, dome, or Grip Tip
Intermittent or reduced sound	Clogged sound outlet	Clean mold or replace wax filter, dome or Grip Tip
	Moisture	Wipe battery with a dry cloth
	Dead battery	Replace the battery
Squealing noise	Hearing aid earpiece inserted incorrectly	Re-insert the earpiece
	Earwax accumulated in ear canal	Have ear canal examined by your doctor
Beeping	If your hearing aid plays 8 beeps, 4 times consecutively, your hearing aid needs a microphone service check	Contact your hearing care professional
Pairing issue with Apple device	Bluetooth connection failed	1) Unpair your hearing aids (Settings→General→Accessibility→Hearing Devices→Devices→Forget this device). 2) Turn Bluetooth off and on again. 3) Open and close battery drawer on hearing aids. 4) Re-pair hearing aids (see chapter: “Pair hearing aids with iPhone”).
	Only one hearing aid paired	

If none of the above solutions work, consult your hearing care professional.

Water & dust resistant (IP68)

Your hearing aid is dust-tight and protected against ingress of water, which means it is designed to be worn in all daily life situations. Therefore, you do not have to worry about sweat or getting wet in the rain. Should your hearing aid come into contact with water and stop working, please follow the following guidelines:

1. Gently wipe off any water.
2. Open the battery drawer and remove the battery and gently wipe off any water in the battery drawer.
3. Let the hearing aid dry with the battery drawer left open for approximately 30 minutes.
4. Insert a new battery.

IMPORTANT NOTICE

Do not wear your hearing aid while showering or participating in water activities. Do not immerse your hearing aid in water or other liquids.

Conditions of use

Operating conditions	Temperature: +1°C to +40°C Relative humidity: 5% to 93%, non-condensing
Storage and transport conditions	Temperature and humidity should not exceed the following limits for extended periods during transport and storage: Temperature: -25°C to +60°C Relative humidity: 5% to 93%, non-condensing

Warranty certificate

Name of owner: _____

Hearing care professional: _____

Hearing care professional's address: _____

Hearing care professional's phone: _____

Purchase date: _____

Warranty period: _____ Month: _____

Model left: _____ Serial no.: _____

Model right: _____ Serial no.: _____

International warranty

Your hearing aid is covered by an international 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 aid itself, but not in accessories such as batteries, tubing, speakers, earpieces and filters, etc. Problems resulting from improper or incorrect 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 aid to your hearing care professional, who may be able to sort out minor problems and adjustments immediately.

Mobile phone

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

The ANSI C63.19 standard determines the prediction of compatibility between a specific hearing aid and a mobile phone by: adding the numerical value of the rating for the hearing aid immunity to the numerical value of the rating for the mobile phone emissions. A sum of 4 would indicate that the combination of wireless device and hearing aid is usable; a combined rating that equals at least 5 would provide normal use; a combined rating of 6 or greater would indicate excellent performance.

Whereas all hearing aids have acoustic coupling, only the larger hearing aids have the physical space for telecoil (inductive) coupling. These two types of coupling have different rating scales (M1-M4 for acoustic coupling and T1-T4 for telecoil coupling, respectively) and both ratings are therefore relevant when predicting the compatibility of a particular hearing aid.

For a hearing aid with both acoustic coupling and telecoil coupling with a rating of M4/T2 and with a telephone rating of M3/T3), the combined rating is 7 (M4 + M3) for the acoustic coupling and 5 (T2 + T3) for the telecoil coupling. According to the guidelines given above, both types of coupling

will thereby be acceptable, with the acoustic coupling indicating excellent performance and the telecoil coupling indicating normal use.

The above equipment performance measurements, categories and system classifications are based upon the best information available, but it cannot be guaranteed that all users will be satisfied.

The immunity of Opn miniRITE is at least M2. The immunity of Opn miniRITE-T is at least M2/T2. 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 aids may vary with individual mobile phones. Therefore, please try this hearing aid with your mobile phone or, if you are purchasing a new phone, be sure to try it with your hearing aid prior to purchase. For additional guidance, please ask your mobile phone provider for the booklet entitled "Hearing Aid Compatibility with Digital Wireless Cell Phones."

Technical information

The hearing aid contains two radio technologies, which are described below:

The hearing aid contains a radio transceiver using short range magnetic induction technology working at 3.84 MHz. The magnetic field strength of the transmitter is very weak and is always below -40 dB μ A/m at a 10 meter distance.

The hearing aid also contains a radio transceiver using Bluetooth Low Energy (BLE) and a proprietary short-range radio technology, both working at 2.4 GHz. The 2.4 GHz radio transmitter is weak and is always below 4 dBm e.i.r.p. in total radiated power.

The hearing aid complies with international standards concerning electromagnetic compatibility and human exposure.

Due to the limited space available on the hearing aid, relevant approval markings can be found in this booklet.

Additional information can be found in the "Technical Data sheets" on www.oticon.global

USA and Canada

The hearing aid contains a radio module with the following certification ID numbers:

miniRITE:

FCC ID: U28AUMRIT
IC: 1350B-AUMRIT

miniRITE-T:

FCC ID: U28AUMRTE
IC: 1350B-AUMRTE

The device complies with Part 15 of the FCC Rules and with Industry Canada's license-exempt RSSs.

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 may void the user's authority to operate the equipment.

For more information: www.oticon.global

This Class B digital apparatus complies with Canadian ICES-003.

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. 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 that to which the receiver is connected.
- Consult the manufacturer or an experienced radio/TV technician for help.

The manufacturer declares that this hearing aid is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU (RED).

CE 0543



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

Declaration of Conformity is available from the manufacturer.

Manufactured by:



Oticon A/S
Kongebakken 9
DK-2765 Smørum
Denmark
www.oticon.global

 **Bluetooth®**



E2831

IP68

Your individual hearing aid settings

To be filled out by your hearing care professional.

Tinnitus SoundSupport: Limitation on use			
<input type="checkbox"/>	No limitation on use		
	Program	Start-up volume (Tinnitus)	Max volume (Tinnitus)
<input type="checkbox"/>	1	Max _____ hours per day	Max _____ hours per day
<input type="checkbox"/>	2	Max _____ hours per day	Max _____ hours per day
<input type="checkbox"/>	3	Max _____ hours per day	Max _____ hours per day
<input type="checkbox"/>	4	Max _____ hours per day	Max _____ hours per day

Settings overview for your hearing aid				
Left			Right	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Volume control	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Program shift	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Mute	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Tinnitus SoundSupport	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Volume control indicators				
<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

Technical Data

miniRITE / miniRITE-T

60

ZCC Coupler measured according to American National Standard ANSI S3.22-2014 and ANSI S3.55-2014/Part 5

Supply voltage: Battery Zinc Air 1.4 Volt

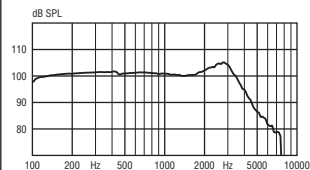
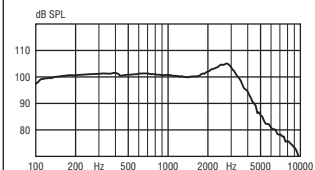
0 dB SPL ref. 20 mPa	Oticon Opn 1	Oticon Opn 2	Oticon Opn 3
Peak OSPL90	105 dB SPL	105 dB SPL	105 dB SPL
HF Average OSPL90	102 dB SPL	102 dB SPL	102 dB SPL
Peak Full-on Gain	35 dB	35 dB	35 dB
HF Average Full-on Gain	30 dB	30 dB	30 dB
Reference Test Gain	26 dB	26 dB	26 dB
Frequency Range	100-9200 Hz	100-7500 Hz	100-7500 Hz
Total Harmonic Distortion 500 Hz	<2 %	<2 %	<2 %
Total Harmonic Distortion 800 Hz	<2 %	<2 %	<2 %
Total Harmonic Distortion 1600 Hz	<2 %	<2 %	<2 %
Battery Consumption	1.6 mA	1.6 mA	1.6 mA
Equivalent Input Noise Level (omni/dir)	18/27 dB SPL	19/28 dB SPL	19/28 dB SPL
HF Average SPLITS (left/right ear) (miniRITE-T)	85/85 dB SPL	85/85 dB SPL	85/85 dB SPL
Attack Time	2 ms	2 ms	2 ms
Release Time	30 ms	30 ms	30 ms

60

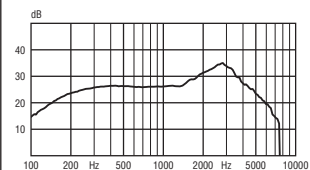
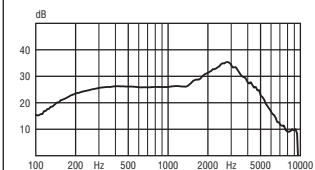
Oticon Opn 1

Oticon Opn 2 & Opn 3

OSPL90 - Output Sound Pressure Level
Input: 90 dB SPL.
Technical setting: A0



Full-on Gain
Input: 50 dB SPL.
Technical setting: A0



Technical Data

miniRITE / miniRITE-T

85

ZCC Coupler measured according to American National Standard ANSI S3.22-2014 and ANSI S3.55-2014/Part 5

Supply voltage: Battery Zinc Air 1.4 Volt

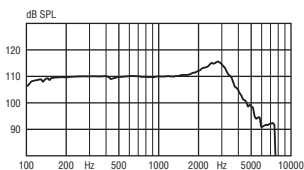
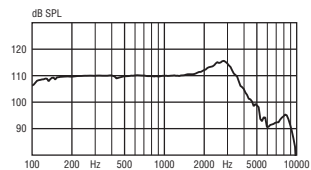
0 dB SPL ref. 20 mPa	Oticon Opn 1	Oticon Opn 2	Oticon Opn 3
Peak OSPL90	116 dB SPL	116 dB SPL	116 dB SPL
HF Average OSPL90	112 dB SPL	112 dB SPL	112 dB SPL
Peak Full-on Gain	54 dB	54 dB	54 dB
HF Average Full-on Gain	47dB	47dB	47dB
Reference Test Gain	34dB	34dB	34dB
Frequency Range	100-8500 Hz	100-7500 Hz	100-7500 Hz
Total Harmonic Distortion 500 Hz	<2 %	<2 %	<2 %
Total Harmonic Distortion 800 Hz	<2%	<2%	<2%
Total Harmonic Distortion 1600 Hz	<2 %	<2 %	<2 %
Battery Consumption	1.7 mA	1.7 mA	1.7mA
Equivalent Input Noise Level (omni/dir)	20/29 dB SPL	21/30dB SPL	21/30dB SPL
HF Average SPLITS (left/right ear) (miniRITE-T)	94/94 dB SPL	94/94 dB SPL	94/94 dB SPL
Attack Time	2 ms	2 ms	2 ms
Release Time	20 ms	20 ms	20 ms

85

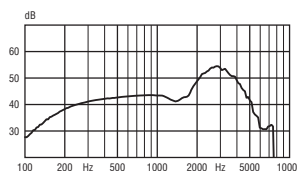
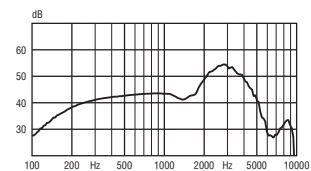
Oticon Opn 1

Oticon Opn 2 & Opn 3

OSPL90 - Output Sound Pressure Level
Input: 90 dB SPL.
Technical setting: A0



Full-on Gain
Input: 50 dB SPL.
Technical setting: A0



Technical Data

100

ZCC Coupler measured according to American National Standard ANSI S3.22-2014 and ANSI S3.55-2014/Part 5

Supply voltage: Battery Zinc Air 1.4 Volt

miniRITE / miniRITE-T

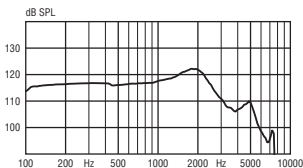
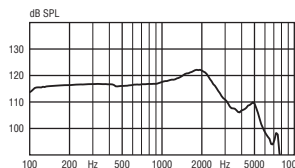
0 dB SPL ref. 20 mPa	Oticon Opn 1	Oticon Opn 2	Oticon Opn 3
Peak OSPL90	122 dB SPL	122 dB SPL	122 dB SPL
HF Average OSPL90	118 dB SPL	118 dB SPL	118 dB SPL
Peak Full-on Gain	57dB	57dB	57dB
HF Average Full-on Gain	51dB	51dB	51dB
Reference Test Gain	42 dB	42 dB	42 dB
Frequency Range	100-8000 Hz	100-7500 Hz	100-7500 Hz
Total Harmonic Distortion 500 Hz	< 2 %	< 2 %	< 2 %
Total Harmonic Distortion 800 Hz	< 2 %	< 2 %	< 2 %
Total Harmonic Distortion 1600 Hz	< 2 %	< 2 %	< 2 %
Battery Consumption	1.7 mA	1.7 mA	1.7 mA
Equivalent Input Noise Level (omni/dir)	19/30 dB SPL	19/30 dB SPL	19/30 dB SPL
HF Average SPLITS (left/right ear) (miniRITE-T)	103/103 dB SPL	103/103 dB SPL	103/103 dB SPL
Attack Time	2 ms	2 ms	2 ms
Release Time	10 ms	10 ms	10 ms

100

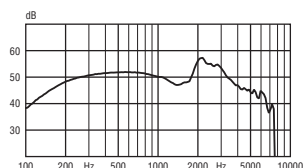
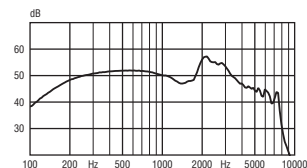
Oticon Opn 1

Oticon Opn 2 & Opn 3

OSPL90 - Output Sound Pressure Level
Input: 90 dB SPL.
Technical setting: A0



Full-on Gain
Input: 50 dB SPL.
Technical setting: A0



Technical Data

105

2CC Coupler measured according to American National Standard ANSI S3.22-2014 and ANSI S3.55-2014/Part 5

Supply voltage: Battery Zinc Air 1.4 Volt

miniRITE / miniRITE-T

0 dB SPL ref. 20 mPa	Oticon Opn 1	Oticon Opn 2	Oticon Opn 3
Peak OSPL90	127 dB SPL	127 dB SPL	127 dB SPL
HF Average OSPL90	122 dB SPL	122 dB SPL	122 dB SPL
Peak Full-on Gain	64dB	64dB	64dB
HF Average Full-on Gain	57dB	57dB	57dB
Reference Test Gain	46 dB	46 dB	46 dB
Frequency Range	100-7800 Hz	100-6500 Hz	100-6500 Hz
Total Harmonic Distortion 500 Hz	<2 %	<2 %	<2 %
Total Harmonic Distortion 800 Hz	<2%	<2%	<2%
Total Harmonic Distortion 1600 Hz	<2 %	<2 %	<2 %
Battery Consumption	1.7 mA	1.7 mA	1.7 mA
Equivalent Input Noise Level (omni/dir)	18/29 dB SPL	18/29 dB SPL	18/29 dB SPL
HF Average SPLITS (left/right ear) (miniRITE-T)	105/105 dB SPL	105/105 dB SPL	105/105 dB SPL
Attack Time	2 ms	2 ms	2 ms
Release Time	20 ms	20 ms	20 ms

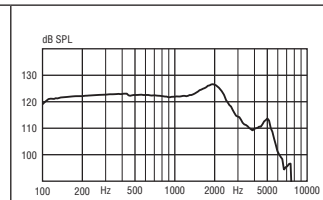
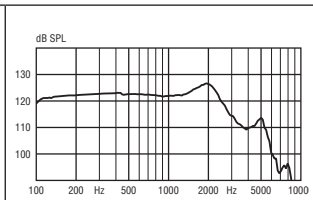
185686US / 2017.10.23

105

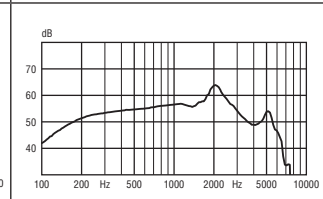
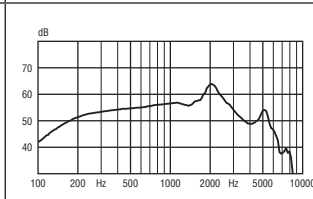
Oticon Opn 1

Oticon Opn 2 & Opn 3

OSPL90 - Output Sound Pressure Level
Input: 90 dB SPL.
Technical setting: A0



Full-on Gain
Input: 50 dB SPL.
Technical setting: A0



185686US / 2017.10.23



oticon
PEOPLE FIRST

185686US / 2017.10.23 / Firmware 5.0 or earlier