Instructions for use

miniRITE
miniRITE T

Oticon Opn™
Oticon Opn S™
Oticon Opn Play™
Oticon Siya
Oticon Ruby

Made for
iPhone | iPad | iPod

oticon
life-changing technology

Model overview

This booklet is valid for Oticon Opn™, Oticon Opn S™, Oticon Opn Play™, Oticon Siya and Oticon Ruby families, in the following hearing aid models:

☐ miniRITE
☐ miniRITE T

Oticon Opn FW 6

☐ Oticon Opn 1	GTIN: (01) 05707131340795
☐ Oticon Opn 2	GTIN: (01) 05707131340818
☐ Oticon Opn 3	GTIN: (01) 05707131340801

Oticon Opn S FW 8

☐ Oticon Opn S 1	GTIN: (01) 05707131374967
☐ Oticon Opn S 2	GTIN: (01) 05707131374974
☐ Oticon Opn S 3	GTIN: (01) 05707131374981

Oticon Opn Play FW 8

☐ Oticon Opn Play 1	GTIN: (01) 05707131374998
☐ Oticon Opn Play 2	GTIN: (01) 05707131375001

Oticon Siya FW 1

☐ Oticon Siya 1	GTIN: (01) 05707131340887
☐ Oticon Siya 2	GTIN: (01) 05707131340894

Oticon Ruby FW 1

☐ Oticon Ruby 1	GTIN: (01) 05707131378491
☐ Oticon Ruby 2	GTIN: (01) 05707131378507

Model overview

☐ LED light (Oticon Opn Play) for visual indication

The LED light helps caregivers, parents, and teachers to operate the hearing aid and to give instructions on relevant functions and modes (see relevant information throughout the booklet).

The following speakers are available for the above models:

☐ 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 gives you guidance on how to use and maintain your new hearing aid. Please read the booklet carefully, including the **Warnings** 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.

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

Intended use

Intended use	The hearing aid is intended to amplify and transmit sound to the ear.
Indications for use	Impaired hearing within mild to severe-to-profound hearing loss.
Intended user	Adults and children older than 36 months.
User environment	Indoor and outdoor.
Contraindications	Users of active implants must pay special attention when using the hearing aid. For more information read the **Warnings** section.
Clinical benefits	The hearing aid is designed to provide better speech understanding to help ease communication with the aim of improving quality of life.

IMPORTANT NOTICE

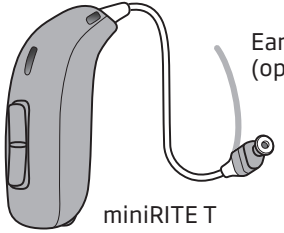
The hearing aid amplification is uniquely adjusted and optimized to your personal hearing capabilities during the hearing aid fitting performed by your hearing care professional.

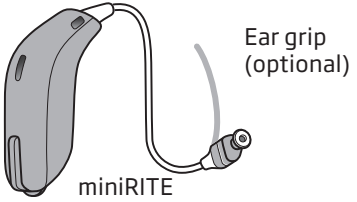
Table of contents

Continues on next page

Table of contents

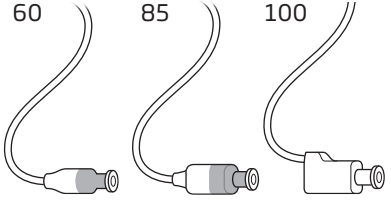
Your hearing aid, speaker, and earpiece



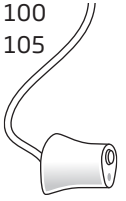


The hearing aid uses one of the following speakers:

Standard speakers



Power Receiver Mold speakers



The speaker uses one of the following earpieces:

Standard earpieces

☐ Open dome

☐ Bass dome, single vent

☐ Bass dome, double vent

☐ Power dome

☐ Grip Tip

Available in small and large, left and right, with or without vent.

Customized earpieces

☐ MicroMold

☐ LiteTip

☐ VarioTherm® MicroMold

☐ VarioTherm® LiteTip

® VarioTherm is a registered trademark of Dreve

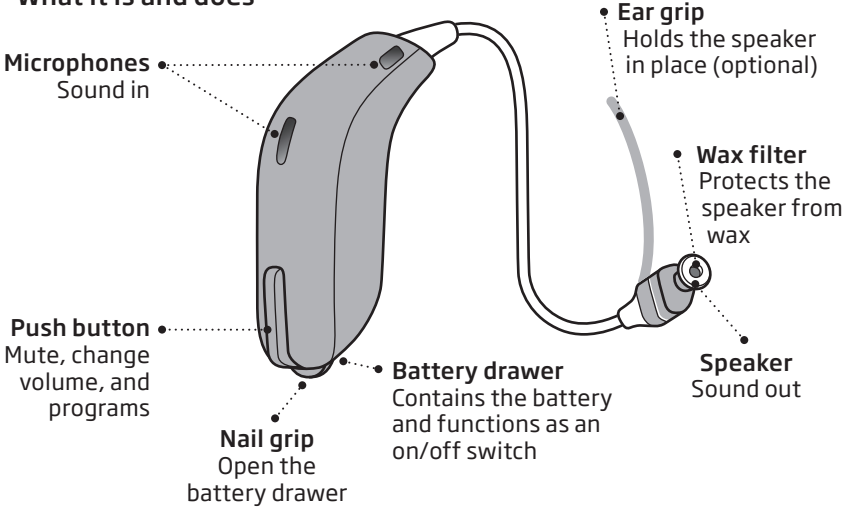
Dome sizes

* only as open dome for speaker 60
** not for open dome

Please see details for replacing the dome in chapter “Replace standard earpieces”.

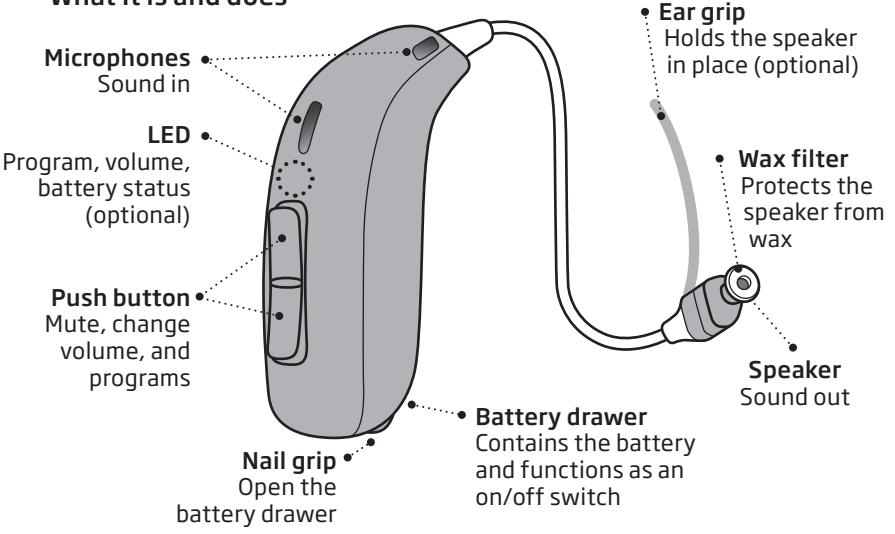
miniRITE

What it is and does



miniRITE T

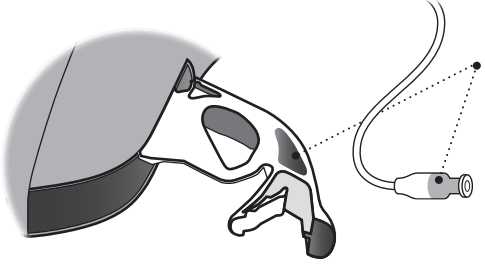
What it is and does



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 (either L or R) can also be found on 100 speakers and some earpieces.

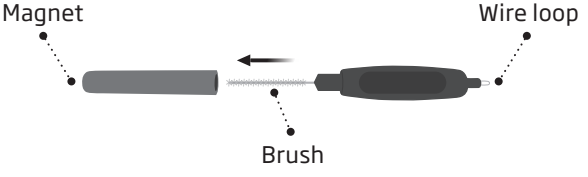


A **RED** indicator marks the RIGHT hearing aid

A **BLUE** indicator marks the LEFT hearing aid

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.



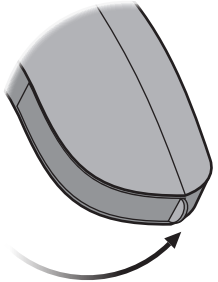
IMPORTANT NOTICE

The MultiTool has a built-in magnet. Keep the MultiTool at least 12 inches away from credit cards and other magnetically sensitive devices.

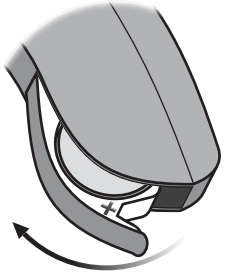
Turn hearing aid ON and OFF

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. If you wish to return to the standard settings of the hearing aid, simply open and close the battery drawer (quick reset).

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 tones repeated in moderate intervals until the battery runs out.

Three alternate tones*
= The battery is running low

Four descending tones
= 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.

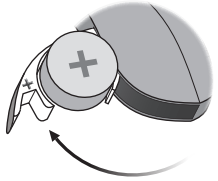
Optional LED
Continuous red flashes indicate low battery.

Note: Batteries need to be replaced more often if you are streaming to your hearing aid.

* Bluetooth® will be turned off and it will not be possible to use wireless accessories.

How to replace the battery (size 312)

1. Remove



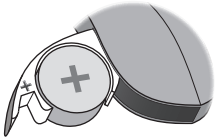
Fully open the battery drawer. Remove the battery.

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 ensure optimal functioning.

3. Insert



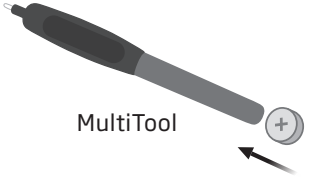
Insert the new battery into the battery drawer with the + side facing upwards.

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.

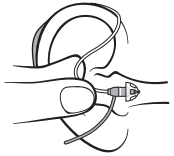
Put on the hearing aid

Step 1

Place the hearing aid behind your ear.

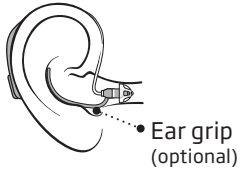
The speaker should always be used with an earpiece attached. Use only parts designed for your hearing aid.

Step 2



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

Step 3



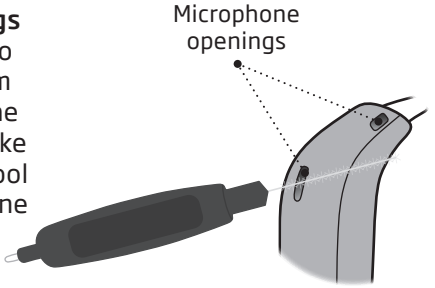
Gently push the earpiece into your ear canal until the speaker wire sits close to your head.

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

Caring for the hearing aid

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

Clean the microphone openings
Use the brush of the MultiTool to carefully brush debris away from the openings. Carefully brush the surface around the opening. Make sure that no parts of the MultiTool are squeezed into the microphone openings by force. This may damage the hearing aid.

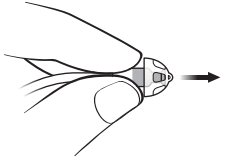


IMPORTANT NOTICE
Use a soft, dry cloth to clean the hearing aid. The hearing aid must never be washed or immersed in water or other liquids.

Replace standard earpieces

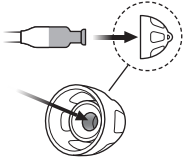
The standard earpiece (dome or Grip Tip) should not be cleaned.
If the earpiece is filled with wax, replace it with a new one.
Grip Tip should be replaced at least once a month.

Step 1



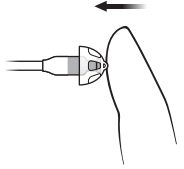
Hold on to the speaker and then pull off the earpiece.

Step 2



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

Step 3



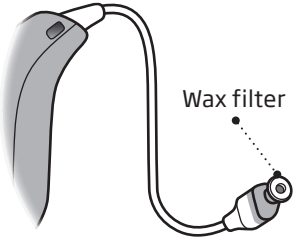
Push firmly to ensure that the earpiece is fastened securely.

IMPORTANT NOTICE

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

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. Replace the filter when clogged, or if the hearing aid does not sound normal or contact your hearing care professional.



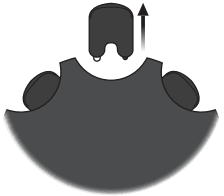
Remove the earpiece from the speaker before replacing the wax filter.

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.

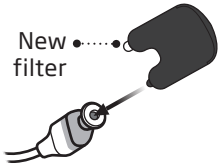
Replace ProWax miniFit filter

1. Tool



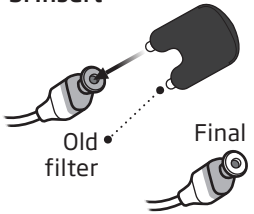
Remove the tool from the shell. The tool has two pins, one empty for removal and one with the new wax filter.

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.

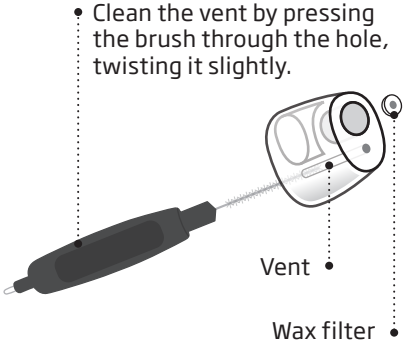
Note:
If you use a mold or LiteTip, your hearing care professional must replace the wax filter in the speaker.

Clean customized earpieces

The earpiece should be cleaned regularly.

The earpiece has a white wax filter*. The filter keeps wax and debris from damaging the speaker.

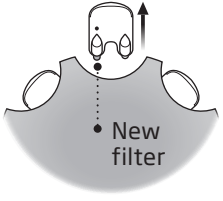
Replace the filter when clogged, or if the hearing aid does not sound normal. Alternatively, contact your hearing care professional.



* VarioTherm MicroMold and LiteTip do not have a wax filter

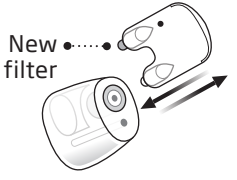
Replace ProWax filter

1. Tool



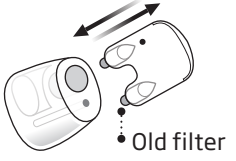
Remove the tool from the shell. The tool has two pins, one empty for removal and one with the new wax filter.

2. Remove



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

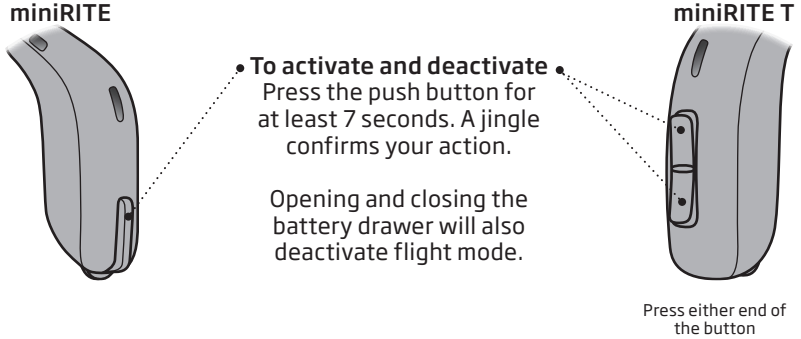
3. Insert



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

Flight mode

When flight mode is activated, Bluetooth® is turned off. The hearing aid will still be working. Pressing the push button on one hearing aid will activate flight mode on both hearing aids.



Optional features and accessories

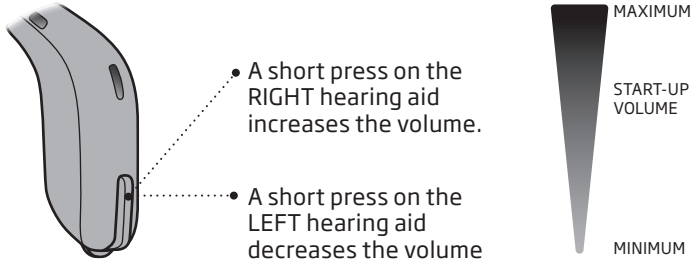
The features and accessories described in the following pages are optional. Please contact your hearing care professional for more information about features and accessories.

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

Write down hearing situations in which you may need help.

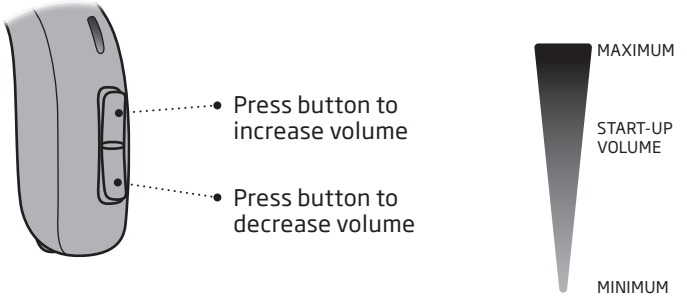
Change volume miniRITE

The push button allows you to adjust the volume.
You will hear a click when you increase or decrease the volume.



Change volume miniRITE T

The push button allows you to adjust the volume.
You will hear a click when you increase or decrease the volume.

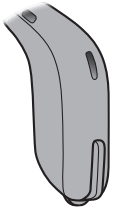


Change program

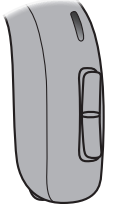
Your hearing aid can have up to four different programs. These are programmed by your hearing care professional. You will hear one to four tones when you change program depending on the program.

See the Sound and LED indicator section.

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.

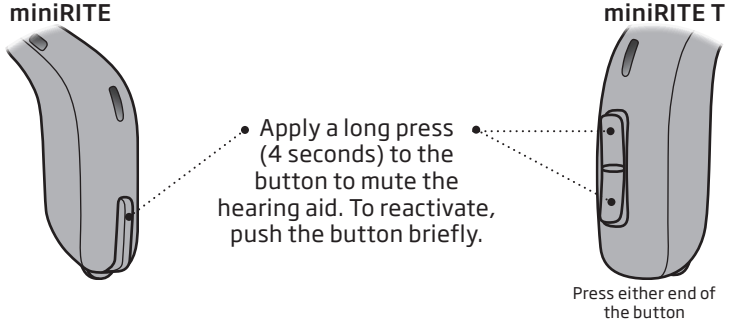


miniRITE T
Press up or down between programs
Note that you can change continuously between programs - both up and down in the program order. For example, if you want to go from program 1 to 4, you can press the down button once instead of pressing the up button 3 times.



Mute

Use the mute function if you need to silence the hearing aid. The mute function only mutes the microphone(s) on 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.

Use hearing aid with iPhone and iPad

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

Made for iPhone | iPad | iPod

To see how to pair you hearing aid with your iPhone, please visit www.oticon.com/pairing

For information on compatibility, please visit www.oticon.com/support

Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, 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.

Wireless accessories

As an enhancement to your wireless hearing aid, a range of accessories is 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 aid as a hands-free headset. ConnectClip can also be used as a remote microphone.

TV Adapter 3.0
Streams sound directly from a TV or electronic audio device to your hearing aid.

Remote Control 3.0
Offers the ability to change program, adjust volume, or mute your hearing aid.

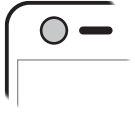
Oticon ON App
Intuitive and discreet control of your hearing aid. For iPhone, iPad, iPod touch, and Android™ devices.

Phone Adapter 2.0
Phone Adapter 2.0 connects wirelessly to the ConnectClip allowing for hassle-free daily use of traditional phones.

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

Other options

Telecoil – optional for miniRITE T
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 - optional for Oticon Opn and Oticon Siya
Activates a phone program in the hearing aid, if you place a dedicated magnet on your phone.

CROS – optional for Oticon Opn S 1, Opn S 2, Oticon Opn Play 1, Oticon Ruby 1 and Ruby 2.
Solution for people with an unaidable hearing loss in one ear. Oticon CROS on the poorer ear transmits sound to the hearing aid on the better ear.

For more information, please contact your hearing care professional.

☐ 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 adults (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 the person reporting tinnitus has 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 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 earlier chapter: “Mute”.

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

A) How to change Tinnitus SoundSupport volume in each ear separately
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.
To **decrease** volume (on only one hearing aid), continue to press the push button repeatedly until desired level is reached.

B) How to change Tinnitus SoundSupport volume in both ears simultaneously
You can use one hearing aid to increase the sound and the other hearing aid to decrease the sound:
To **increase** volume, use a short press on the push button repeatedly on the RIGHT hearing aid.
To **decrease** volume, use a short press on the push button repeatedly on the LEFT hearing aid.

miniRITE T

A) How to change Tinnitus SoundSupport volume in each ear separately
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.
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.

B) How to change Tinnitus SoundSupport volume in both ears simultaneously
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.
To **increase** volume, use a short press on the upper part of the push button repeatedly.
To **decrease** volume, use a short press on the lower part of the push button repeatedly.

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” in section ”Your 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 aid.

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.

- 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.

⚠ Tinnitus SoundSupport warnings

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

For your personal safety and to ensure correct usage, you should familiarize yourself fully with the following general warnings before using your hearing aid.

Consult your hearing care professional if you experience unexpected operations or serious incidents with your hearing aid during use or because of its use. Your hearing care professional will support you with issue handling and, if relevant, reporting to the manufacturer and/or the national authorities.

Please note that a hearing aid will not restore normal hearing and will not prevent or improve a hearing impairment resulting from organic conditions. Hearing aid is only a part of hearing habilitation and may need to be supplemented by auditory training and instruction in lipreading. Furthermore, note that in most cases, infrequent use of a hearing aid does not permit a user to attain full benefit from it.

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.

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 1-800-498-8666.

Battery use
Always use batteries recommended by your hearing care professional. Low quality batteries 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.

Continues on next page

⚠ General warnings

Active implants
The hearing aid has been thoroughly tested and characterized for human health according to international standards for human exposure (Specific Absorption Ratio - SAR), induced electromagnetic power and voltages into the human body.

The exposure values are well below international accepted safety limits for SAR, induced electromagnetic power and voltages into the human body defined in the standards for human health and coexistence with active medical implants, such as pacemakers and heart defibrillators.

If you have an active brain implant, please contact the manufacturer of your implantable device for information about the risk of disturbance.

The AutoPhone magnet and MultiTool (which has a built-in magnet) should be kept at least 12 inches away from the implant, e.g. do not carry it in your breast pocket.

In general, please follow the guidelines recommended by the manufacturers of implantable defibrillators and pacemakers on use with magnets.

Cochlear implants
If you are using a cochlear implant (CI) on one ear and a hearing aid on the other ear, make sure to always keep your CI at least at a 1 cm distance from your hearing aid. The magnetic field from the CI sound processors, coils, and magnets may permanently damage the speaker unit in your hearing aid. Never place the devices close together on a table e.g. when cleaning or changing batteries. Do not carry the CI and the hearing aid together in the same box.

X-ray/CT/MR/PET scanning, electrotherapy and surgery
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 electromagnetic 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, sunscreen 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.

Continues on next page

⚠ General warnings

Power instrument
Special care should be exercised when selecting, fitting and using a hearing aid when the maximum sound pressure capability exceeds 132 dB SPL (IEC 60138-4 / IEC 711), as there may be risk of impairing the remaining hearing of the hearing aid user.

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

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

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

Please consult a physician if these conditions occur.

Use on aircraft
Your hearing aid has Bluetooth. On board an aircraft, the hearing aid must be put into flight mode to deactivate Bluetooth, unless Bluetooth is permitted by the flight personnel.

Connection to external equipment
The safety of the use of hearing aids when connected to external equipment (with an auxiliary input cable and/or USB cable and/or directly), is determined by the external signal source. When connected to external equipment plugged into a wall outlet, this equipment must comply with IEC 62368-1 or equivalent safety standards.

Incompatible non-supplied accessories
Only use accessories, transducers or cables supplied by the manufacturer of this device. Incompatible accessories may result in reduced electromagnetic compatibility (EMC) of your device.

Modification of hearing aids is not allowed
Changes or modifications not expressly approved by the manufacturer will void the warranty of the equipment.

Interference
The hearing aid has been thoroughly tested for interference according to the most stringent international standards.

Electromagnetic interference may occur in the vicinity of equipment with this symbol to the right. Portable and mobile RF (radio frequency) communications equipment can affect the performance of your hearing aid. If your hearing aid is affected by electromagnetic interference, move away from the source to reduce the interference.

Continues on next page

⚠ 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.

Continues on next page

⚠ 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

Symptom	Possible causes	Solutions
No sound	Dead battery	Replace the battery
	Clogged earpieces (dome, Grip Tip, or mold)	Clean mold
		Replace wax filter, dome, or Grip Tip
	Hearing aid microphone muted	Unmute the hearing aid microphone
Intermittent or reduced sound	Clogged sound outlet	Clean mold or replace wax filter, dome, or Grip Tip
	Moisture	Wipe battery with a dry cloth
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 aid **2)** Turn Bluetooth off and on again. **3)** Open and close battery drawer on hearing aid. **4)** Re-pair hearing aid (please visit www.oticon.com/pairing).
	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 these 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

Operational environment conditions	Temperature: 34°F to 104°F Humidity: 5 - 93% relative humidity, non-condensing
Transportation and storage conditions	Temperature and humidity should not exceed the following limits for extended periods during transportation and storage: Temperature: -13°F to 140°F Humidity: 5 - 93% relative humidity, non-condensing

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 miniRITE is at least M2. The immunity of 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 always below 15 nW (typically below -40 dBµA/m (-12.20 dBµA/ft) at 10 meter (33 feet) distance).

The hearing aid also contains a radio transceiver using Bluetooth Low Energy (BLE) and a proprietary short-range radio technology, both working at ISM band 2.4 GHz.

The radio transmitter is weak and always below 3 mW equal to 4.8 dBm in total radiated power.

The hearing aid complies with international standards concerning electromagnetic compatibility and human exposure. Only use your hearing aid in areas where wireless transmission is permitted.

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.com

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

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

Declaration of Conformity is available from the manufacturer.

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

CE 0543

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

Bluetooth®

IP68

Description of symbols used in this booklet	
⚠	**Warnings** Text marked with a warning symbol must be read before using the device.
	Manufacturer The device is produced by the manufacturer whose name and address are stated next to the symbol. Indicates the medical device manufacturer, as defined in EU Directives 90/385/EEC, 93/42/EEC and 98/79/EC.
CE 0543	**CE mark** The device complies with Medical Device Directive 93/42/EEC. The four digit number indicates the identification of the notified body.
	Electronic waste (WEEE) Recycle hearing aids, accessories or batteries according to local regulations. Hearing aid users can also return electronic waste to their hearing care professional for disposal. Electronic equipment covered by Directive 2012/19/EU on waste and electrical equipment (WEEE).
	Regulatory Compliance Mark (RCM) The device complies with electrical safety, EMC and radio spectrum requirements for devices supplied to the Australian or New Zealand market.
IP68	**IP code** Indicates the class of protections against harmful ingress of water and particulate matter according to EN 60529. IP6X indicates total dust protection. IPX8 indicates the protection against the effects of continuous immersion in water.

Bluetooth	**Bluetooth logo** Registered trademark of Bluetooth SIG, Inc. where any use of such requires a license.
Works with iPhone | iPad | iPod	**Made for Apple badges** Indicates that the device is compatible with iPhone, iPad and iPod touch.
	**Hearing loop** This logo incorporates the universal symbol for hearing assistance. The "T" signifies that a hearing loop is installed.
	**Radio Frequency (RF) transmitter** Your hearing aid contains an RF transmitter.
GTIN	**Global Trade Item Number** A globally unique 14-digit number used to identify medical device products including medical device software. GTIN in this booklet is related to medical device firmware. GTIN on regulatory packaging label is related to medical device hardware.

Description of additional symbols used on labels	
	**Keep dry** Indicates a medical device that needs to be protected from moisture.
	**Caution symbol** Consult instructions for use for warnings and cautions.
REF	**Catalog number** Indicates the manufacturer's catalog number so that the medical device can be identified.
SN	**Serial number** Indicates the manufacturer's serial number so that a specific medical device can be identified.
MD	**Medical Device** The device is a medical device.

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.

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.: _____

Your individual hearing aid settings

To be filled out by your hearing care professional.

Tinnitus SoundSupport: Limitation on use			
☐	No limitation on use		
	Program	**Start-up volume (Tinnitus)**	**Max volume (Tinnitus)**
☐	1	Max _____ hours per day	Max _____ hours per day
☐	2	Max _____ hours per day	Max _____ hours per day
☐	3	Max _____ hours per day	Max _____ hours per day
☐	4	Max _____ hours per day	Max _____ hours per day

Settings overview for your hearing aid				
Left			**Right**	
☐ Yes	☐ No	Change volume	☐ Yes	☐ No
☐ Yes	☐ No	Change program	☐ Yes	☐ No
☐ Yes	☐ No	Mute	☐ Yes	☐ No
☐ Yes	☐ No	Tinnitus SoundSupport	☐ Yes	☐ No
Volume control indicators				
☐ On	☐ Off	Beeps at min/max volume	☐ On	☐ Off
☐ On	☐ Off	Beeps when changing volume	☐ On	☐ Off
☐ On	☐ Off	Beeps at start-up volume	☐ On	☐ Off
Battery indicators				
☐ On	☐ Off	Low battery warning	☐ On	☐ Off

Sound and LED indicators

Different sounds and LED lights indicate the hearing aid status. The different indicators are listed on the following pages.
LED is only optional for Oticon Opn Play miniRITE T.

Your hearing care professional can set sound and LED indicators to match your preferences.

Program	☐ Sound	☐ LED[1)]	When to use
1	1 tone	◯	
2	2 tones	◯◯	
3	3 tones	◯◯◯	
4	4 tones	◯◯◯◯	

◯ Green flash

1) LED continuous or repeated three times with small pauses

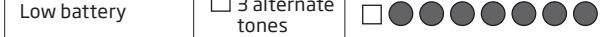
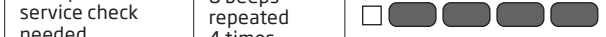
ON	Sound	LED	LED comments
On	☐ Jingle	☐ ▭▭	Shown one time
Volume	**Sound**	**LED**	
Start-up volume	☐ 2 beeps	☐ ▭	Shown one time
Minimum/maximum volume	☐ 3 beeps	☐ ●	
Volume up/down	☐ 1 beep	☐ ◯	
Mute		☐ ◯●	Continuous or repeated three times

▭ Long green flash ◯ Green flash ● Red flash

Continues on next page

Accessories	☐ Sound	☐ LED	LED comments
TV Adapter	2 different tones		Continuous or repeated three times
ConnectClip remote microphone	2 different tones		
Flight mode	**Sound**	**☐ LED**	
Flight mode active	Short jingle		
Flight mode inactive	Short jingle	 [1)]	

Long green flash Green flash Red flash

Warnings	Sound	LED	LED comments
Low battery	☐ 3 alternate tones		Continuously flashing
Battery shut down	4 descending tones		
Microphone service check needed	8 beeps repeated 4 times		Repeated four times

Red flash Long red flash

1) Only available when three-time repetition is selected

Technical Data

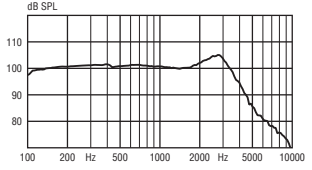
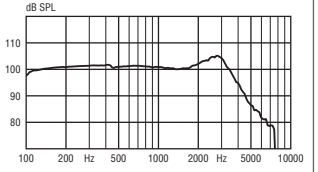
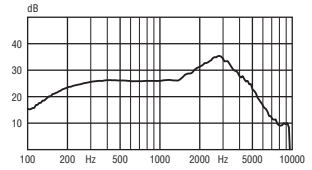
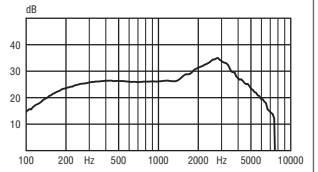
60

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

0 dB SPL ref. 20 mPa	Oticon Opn 1, Opn S 1, Opn Play 1	Oticon Opn 2, Opn S 2, Siya 1, Ruby 1	Oticon Opn 3, Opn S 3, Opn Play 2, Siya 2, Ruby 2
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, Opn S 1 & Opn Play 1	Oticon Opn 2, Opn 3, Opn S 2, Opn S 3, Opn Play 2, Siya 1, Siya 2, Ruby 1, Ruby 2
OSPL90 - Output Sound Pressure Level Input: 90 dB SPL. Technical setting: A0		
Full-on Gain Input: 50 dB SPL. Technical setting: A0		

Technical Data

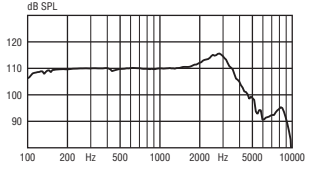
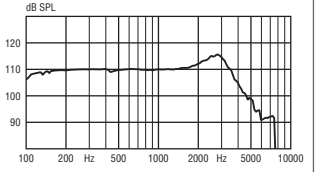
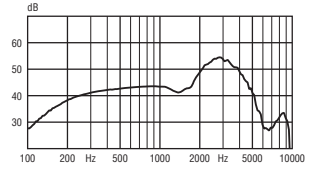
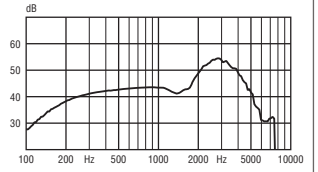
85

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

0 dB SPL ref. 20 mPa	Oticon Opn 1, Opn S 1, Opn Play 1	Oticon Opn 2, Opn S 2, Siya 1, Ruby 1	Oticon Opn 3, Opn S 3, Opn Play 2, Siya 2, Ruby 2
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, Opn S 1 & Opn Play 1	Oticon Opn 2, Opn 3, Opn S 2, Opn S 3, Opn Play 2, Siya 1, Siya 2, Ruby 1, Ruby 2
OSPL90 - Output Sound Pressure Level Input: 90 dB SPL. Technical setting: A0		
Full-on Gain Input: 50 dB SPL. Technical setting: A0		

Technical Data

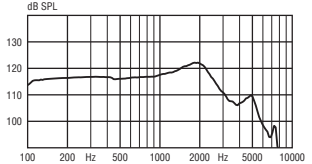
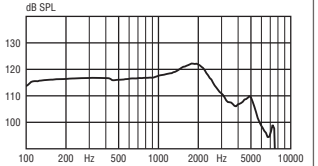
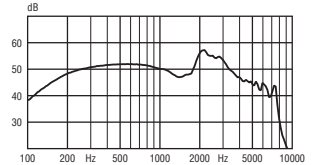
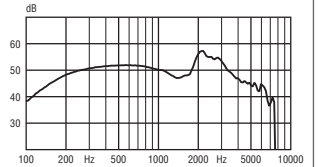
100

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

0 dB SPL ref. 20 mPa	Oticon Opn 1, Opn S 1, Opn Play 1	Oticon Opn 2, Opn S 2, Siya 1, Ruby 1	Oticon Opn 3, Opn S 3, Opn Play 2, Siya 2, Ruby 2
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, Opn S 1 & Opn Play 1	Oticon Opn 2, Opn 3, Opn S 2, Opn S 3, Opn Play 2, Siya 1, Siya 2, Ruby 1, Ruby 2
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

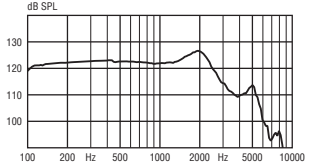
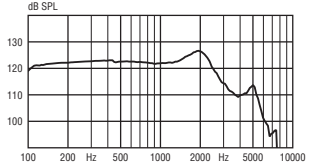
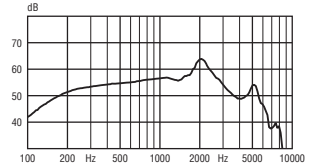
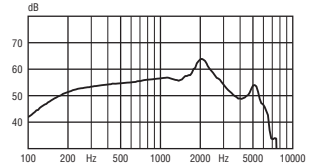
2CC Coupler measured according to American National Standard ANSI S3.22-2014 and ANSI S3.55-2014/ Part 5

Supply voltage: Battery Zinc Air 1.4 Volt

0 dB SPL ref. 20 mPa	Oticon Opn 1, Opn S 1, Opn Play 1	Oticon Opn 2, Opn S 2, Siya 1, Ruby 1	Oticon Opn 3, Opn S 3, Opn Play 2, Siya 2, Ruby 2
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

215234US / 2019.11.27

105

	Oticon Opn 1, Opn S 1 & Opn Play 1	Oticon Opn 2, Opn 3, Opn S 2, Opn S 3, Opn Play 2, Siya 1, Siya 2, Ruby 1, Ruby 2
OSPL90 - Output Sound Pressure Level Input: 90 dB SPL. Technical setting: A0		
Full-on Gain Input: 50 dB SPL. Technical setting: A0		

215234US / 2019.11.27

215234US / 2019.11.27: Oticon Opn S & Oticon Opn Play Firmware 8,
Oticon Opn Firmware 6 or earlier, Oticon Siya Firmware 1,
Oticon Ruby Firmware 1

0000215234000001

oticon
life-changing **technology**