

Instructions for use

OTICON | **Opn**
BTE13 PP



Made for



iPod



iPhone



iPad

oticon
PEOPLE FIRST

Model overview

This booklet is valid for Oticon Opn™ family, BTE13 PP (Fitting level 105) in the following hearing aid models:

FW 4

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

FW 5

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

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 additional 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 moderate to severe-to-profound hearing loss. This power 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.

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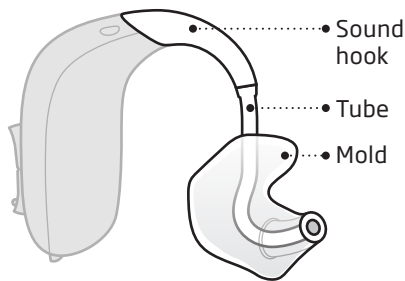
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Identify your hearing aid and earpiece

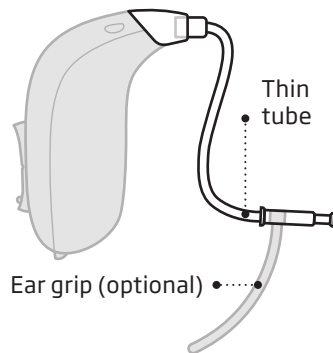
There are two different attachments and several different earpieces which classify your hearing aid.

Please identify your attachment and earpiece. This will make it easier for you to navigate through this booklet.

- Sound hook with mold**
A sound hook has a mold as an earpiece.

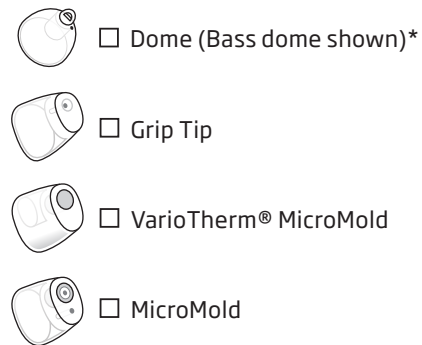


- Thin tube**
(Corda miniFit Power)



Earpieces

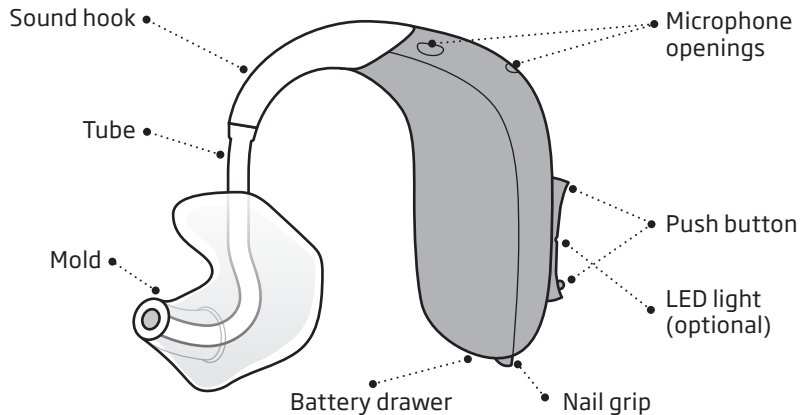
The thin tube uses one of the following earpieces:



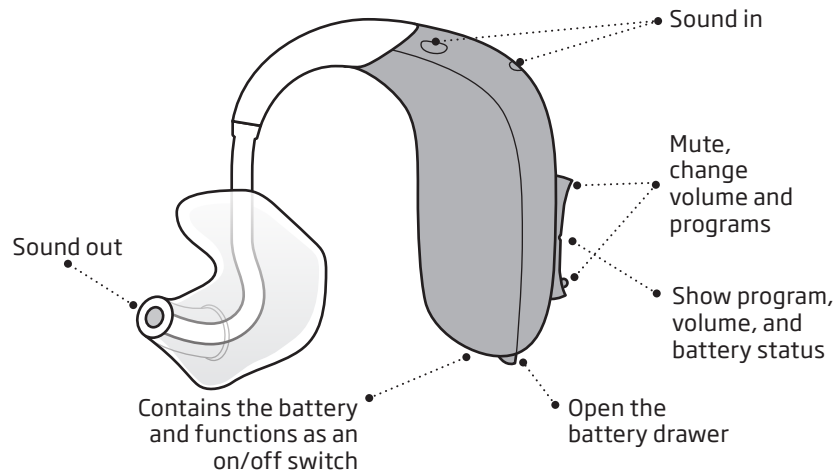
* Please see details for replacing the dome or Grip Tip in chapter: "Replace dome or GripTip"
® VarioTherm is a registered trademark of Dreve

BTE13 PP with sound hook and mold

What it is

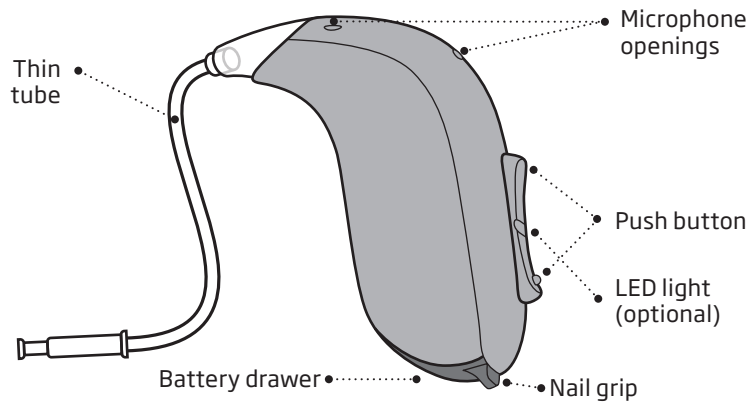


What it does

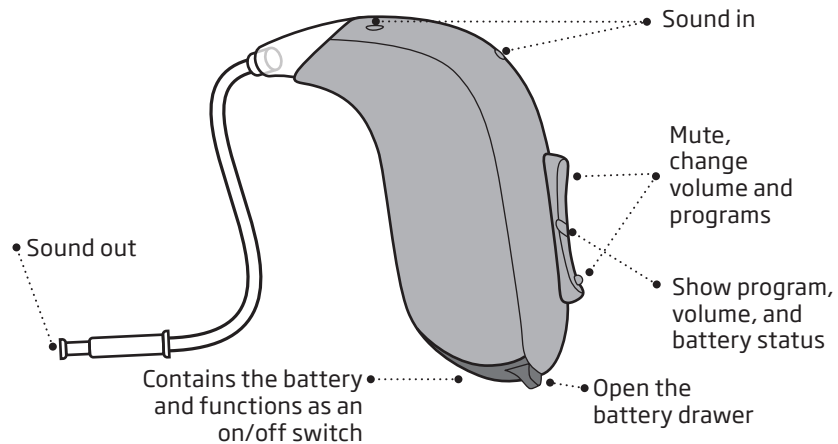


BTE13 PP with thin tube (Corda miniFit Power)

What it is

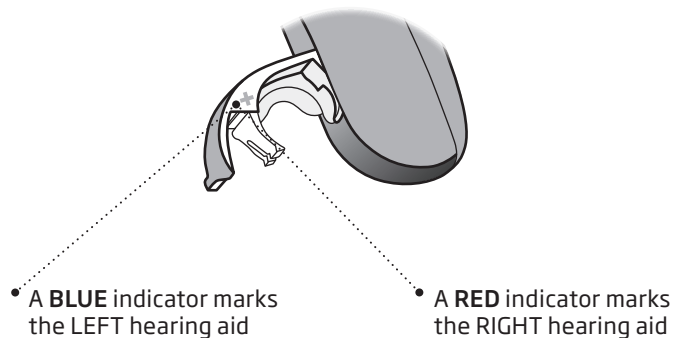


What it does



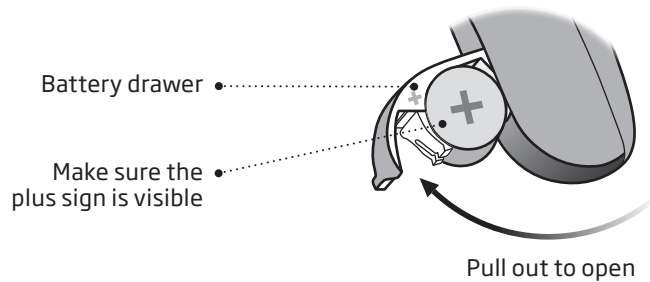
Identify left and right hearing aid

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. Indicators can also be found on MicroMolds.



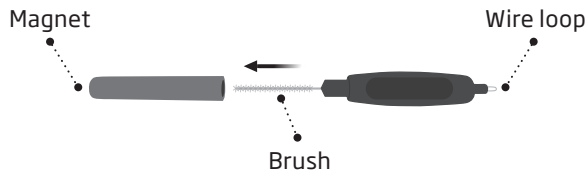
Battery (size 13)

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.



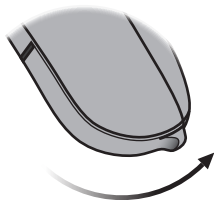
IMPORTANT NOTICE

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

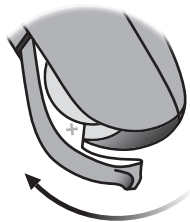
Turn the hearing aid on and off

The battery drawer is also 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 in moderate intervals until the battery runs out.



Three beeps*
= The battery is running low



Four beeps
= The battery has run out

Battery maintenance tip

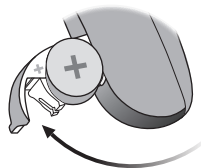
To make sure the hearing aid is always working, bring spare batteries with you, or replace the battery before you leave home.

* 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.

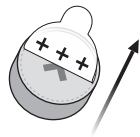
How to replace the battery

1. Remove



Fully open the battery drawer. Remove the battery.

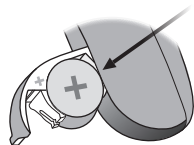
2. Uncover



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. Insert it from above, NOT from the side.

Make sure the + side is facing up.

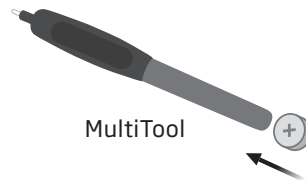
4. Close



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 with sound hook

Read the following pages if you have a hearing aid with a sound hook and mold.



The mold is customized for you and fits your ear shape. The molds are unique for the left or the right ear.

Step 1



Gently pull your ear outwards and press the mold in the direction of the ear canal, twisting slightly.

Step 2



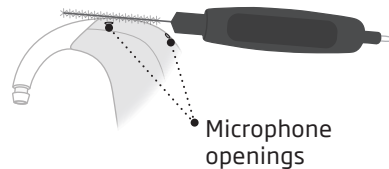
Place the hearing aid behind your ear.

Caring for your hearing aid

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

Clean the microphone openings

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

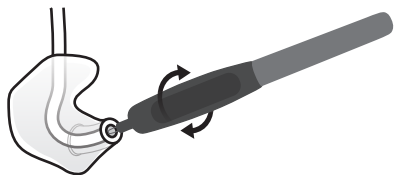


IMPORTANT NOTICE

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

Clean the mold

The mold should be cleaned regularly. Use a soft cloth to clean the surface of the mold. Use the MultiTool wire loop to clean the opening.



Replace the tube

The tubing between the mold and the hearing aid should be replaced if it becomes yellow or stiff. Consult your hearing care professional about this.

Wash the mold

Step 1



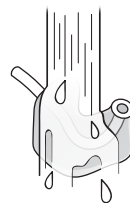
Make sure you are able to identify which mold is for which hearing aid before disconnecting them from the hearing aid.

Step 2



Disconnect the tube and mold from the hook. Hold the hook firmly when pulling it off the tube. Otherwise the hearing aid may be damaged.

Step 3

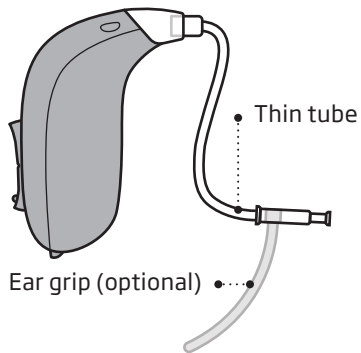


Wash the mold and tube using mild soap. Rinse and dry completely before reconnecting to the hearing aid.

Thin tube (Corda miniFit Power)

Read the following pages if your hearing aid has a thin tube (Corda miniFit Power) with either a dome, Grip Tip, or MicroMold earpiece.

Corda miniFit Power is a thin tube that brings sounds into your ear. The thin tube should only be used with an attached earpiece. Use only parts designed for your hearing aid.



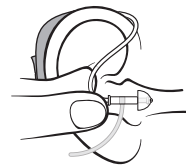
Put on the hearing aid with thin tube

Step 1



Place the hearing aid behind your ear.

Step 2



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

Step 3



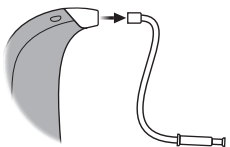
Gently push the earpiece into your ear canal until the thin tube sits close to your head.

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

Clean the thin tube

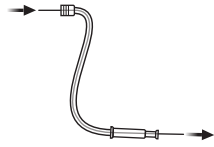
The thin tube should be cleaned to keep it clear of moisture and wax. If not cleaned, it may become blocked with wax, which stops sound from coming out.

Step 1



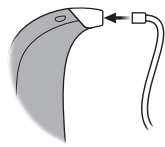
Pull the thin tube out of the hearing aid.

Step 2



Push the cleaning tool all the way through the thin tube.

Step 3



Reconnect the thin tube to the hearing aid.

Standard earpieces for thin tube

There are 3 different types of domes. Both domes and Grip Tip are made of soft rubber material. Identify your earpiece type and size below.



Bass dome,
single vent



Bass dome,
double vent

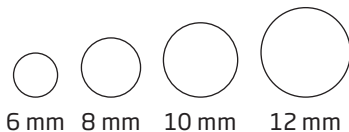


Power dome



Grip Tip

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



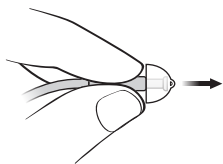
IMPORTANT NOTICE

If the earpiece is not attached to the thin tube 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

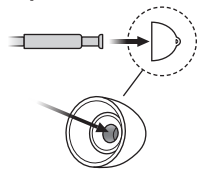
The standard earpiece (dome or Grip Tip) should not be cleaned. If the earpiece is filled with wax, replace it with a new one. Grip Tips should be replaced at least once a month.

Step 1



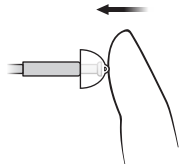
Hold on to the end of the thin tube and then pull off the dome.

Step 2



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

Step 3



Push firmly to ensure that the dome is fastened securely.

Customized earpieces for thin tube

MicroMolds are available in two different materials.



• MicroMold



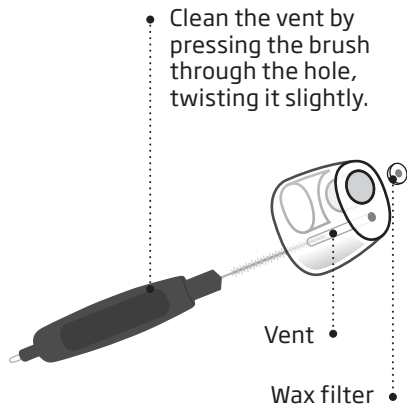
• VarioTherm MicroMold*

* VarioTherm MicroMolds do not have a wax filter

Clean the MicroMold

The MicroMold should be cleaned regularly.

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

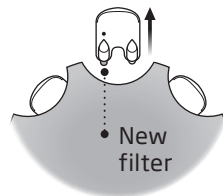


IMPORTANT NOTICE

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.

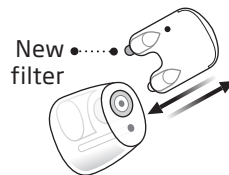
Replace ProWax filter

1. Tool



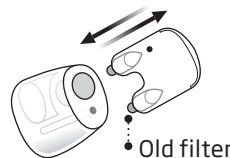
Remove the tool from the shell. The tool has two pins, one empty for removal and one with the new wax filter.

2. Remove



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

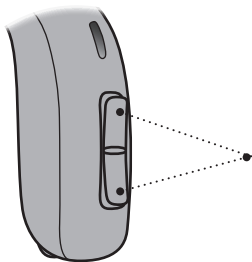
3. Insert



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. It is possible to have a LED status for the flight mode. See chapter: "LED light" for more information about this.



To activate and deactivate

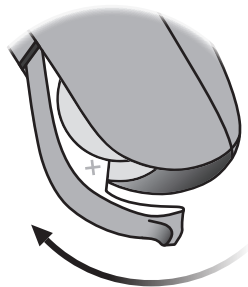
Press the push button for at least 7 seconds. A jingle confirms your action.

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

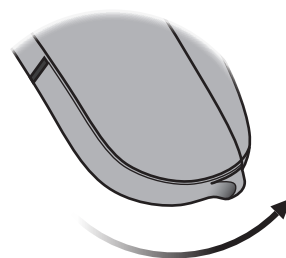
Quick reset

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.

Open



Close



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. It is possible to have a LED status for the mute function. See chapter: "LED light" for more information about this.



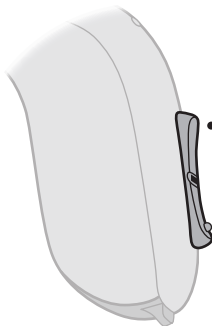
Apply a very long press (4 seconds) to either end of the button to mute the hearing aid. To reactivate the hearing aid, push the button briefly.

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 programs





Your hearing aid can have up to 4 different programs. These are programmed by your hearing care professional. It is possible to have a LED status for the program mode. See chapter: "LED light" for more information about this.



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.

To be filled out by the hearing care professional

Program	Sound you will hear when activated	When to use
1	 "1 beep"	
2	 "2 beeps"	
3	 "3 beeps"	
4	 "4 beeps"	

Program change:

LEFT

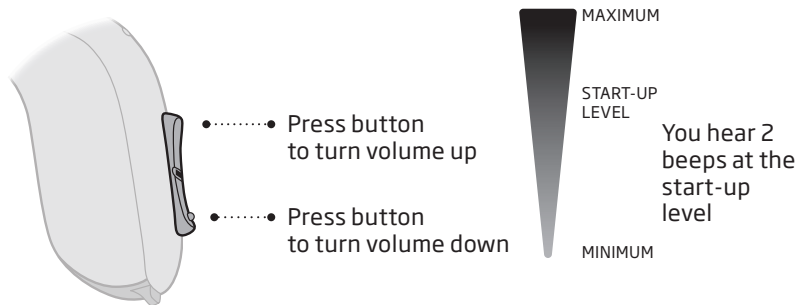
RIGHT

Short press

Long press

Change volume

The push button allows you to adjust the volume. You will hear a click when you turn the volume up or down. It is possible to have a LED status for the volume mode. See chapter: "LED light" for more information about this.



To be filled out by the hearing care professional

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

Use hearing aids with iPhone, iPad, and iPod touch

Your hearing aids are Made for iPhone® hearing aids 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.

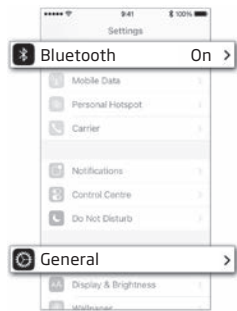


Note: Direct audio streaming is currently not supported by Android.

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.

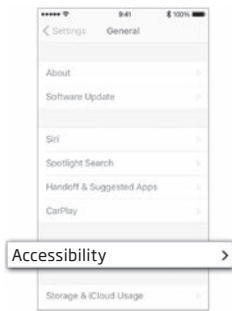
Pair hearing aids with iPhone

1. Settings



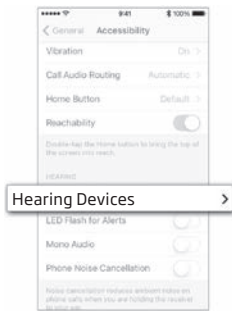
Open your iPhone and go to "Settings". Make sure Bluetooth is on. Then choose "General".

2. General



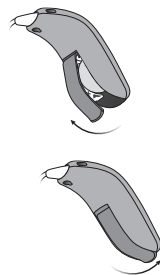
On the "General" screen, choose "Accessibility".

3. Accessibility



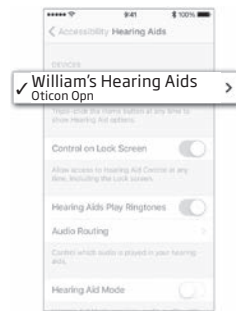
On the "Accessibility" screen, choose "Hearing Devices".

4. Prepare



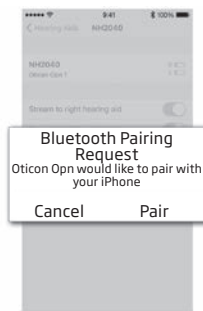
Open and close the battery drawer on both hearing aids, and place them close to your iPhone. The hearing aids remain in pairing mode for 3 minutes.

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, these 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 the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

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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.



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. The 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

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

Autophone can automatically activate a phone program in the hearing aid, if your telephone has a dedicated BTE13 PP magnet. Do not use any other magnet. The magnet needs to be placed on your telephone.




























For more information, please contact your hearing care professional.





*ConnectClip will be available during second half of 2017

LED light

The LED light is used to help users, caregivers, parents, and teachers to operate the hearing aid and to give instructions on relevant functions and modes.






Listening state





Program status	Visual Continuously repeated
<input type="checkbox"/> Program 1	 
<input type="checkbox"/> Program 2	  
<input type="checkbox"/> Program 3	   
<input type="checkbox"/> Program 4	    
<input type="checkbox"/> Wireless accessories or Made for iPhone incl. microphone	  
<input type="checkbox"/> Wireless accessories or Made for iPhone	  
<input type="checkbox"/> Flight mode active	   
<input type="checkbox"/> Mute	  

 Green, short blink  Green, long blink  Red, short blink  Red, long blink



 Pause

Action-based

Volume adjustments	Visual One sequence only
<input type="checkbox"/> Preferred volume	
<input type="checkbox"/> Minimum / maximum volume	
<input type="checkbox"/> Volume up / down	
<input type="checkbox"/> Quick reset	 

-  Green, short blink  Green, long blink  Green, very long blink
 Red, short blink

Warnings

Warnings	Visual	Comments
<input type="checkbox"/> Battery running low		Continuously repeated
<input type="checkbox"/> Microphone service check needed		Repeated 4 times with small pauses

-  Red, short blink  Red, long blink

□ Tamper-resistant battery drawer

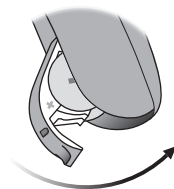
To keep the battery out of reach of infants, small children, and people with learning difficulties, a tamper-resistant battery drawer should be used.

IMPORTANT NOTICE

Avoid using excessive force when opening the battery drawer. Do not force the battery drawer beyond its fully opened position. Make sure to insert the battery correctly.

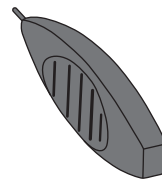
Please contact your hearing care professional if you suspect the tamper-resistant effectiveness or locking ability are damaged.

To lock the battery drawer



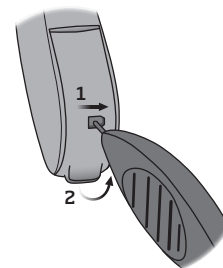
Close the battery door completely and make sure it is locked.

Tool to unlock the battery drawer



Use this small tool provided by your hearing care professional.

Unlock the battery drawer



Insert the tip of the tool into the small hole at the back of the battery drawer.

1. Move it to the right and hold it
2. Open the battery drawer

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 can 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.

<input type="checkbox"/>	<p>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.</p>
<input type="checkbox"/>	<p>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.</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 a 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", found 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 for 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 seek a consultation with a medical, audiology, or other hearing care professional.

As with any device, misuse of the sound generator feature could present some potentially harmful effects. Care should be taken to prevent the unauthorized use and to keep the device out of the 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 usage.

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 its full benefits.

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 a 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 when selecting, fitting and using a hearing aid when the 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.

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 cause skin irritation or other side effects.

Please consult 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, 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

Warnings 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 MicroMold)	Clean MicroMold
		Consider replacing wax filter, dome, or GripTip
Intermittent or reduced sound	Clogged sound outlet	Clean mold, replace wax filter in the MicroMold, change dome or GripTip
	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).
	Only one hearing aid paired	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")

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

Water and 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, 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

Operating conditions	Temperature: +1°C to +40°C Relative humidity: 5% to 93%, non-condensing
Storage and transport conditions	Temperature and humidity shall not exceed the below 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 this hearing aid 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 EIRP 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 document.

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

USA and Canada

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

FCC ID: U28AUBTEP
IC: 1350B-AUBTEP

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.

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.

Declaration of conformity is available at:



Manufactured by:
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®**



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

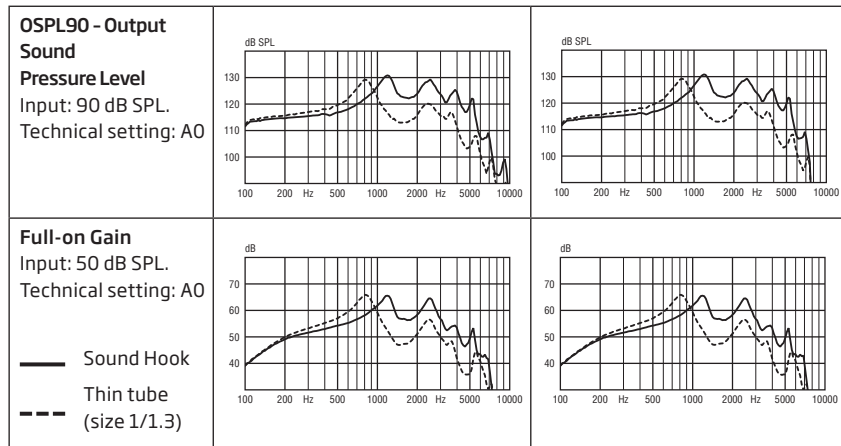
Technical Data

BTE13 PP

105 **2CC Coupler** measured according to American National Standard ANSI S 3.22 (2003) and S3.7 (1995). Supply voltage: Battery Zinc Air 1.4 Volt

Oticon Opn 1

Oticon Opn 2 & Opn 3



185642US / 2017.10.06

105

0 dB SPL ref. 20 mPa	Oticon Opn 1	Oticon Opn 2	Oticon Opn 3
Peak OSPL90	131 (129*) dB SPL	131 (129*) dB SPL	131 (129*) dB SPL
HF Average OSPL90	126 (118*) dB SPL	126 (118*) dB SPL	126 (118*) dB SPL
Peak Full-on Gain	66 (66*) dB	66 (66*) dB	66 (66*) dB
HF Average Full-on Gain	61 (54*) dB	61 (54*) dB	61 (54*) dB
Reference Test Gain	50 dB	50 dB	50 dB
Frequency Range	120-7000 Hz	120-7000 Hz	120-7000 Hz
Total Harmonic Distortion 500 Hz	3 %	3 %	3 %
Total Harmonic Distortion 800 Hz	<2%	<2%	<2%
Total Harmonic Distortion 1600 Hz	<2 %	<2 %	<2 %
Battery Consumption	1.9 mA	1.9 mA	1.9 mA
Equivalent Input Noise Level (omni/dir)	14/27 dB SPL	14/27 dB SPL	14/27 dB SPL
HF Average SPLITS (left/right ear) (miniRITE-T)	109/109 dB SPL	109/109 dB SPL	109/109 dB SPL
Attack Time	<5 ms	<5 ms	<5 ms
Release Time	<50 ms	<50 ms	<50 ms

* For instruments fitted with thin tube

185642US / 2017.10.06



oticon
PEOPLE FIRST

185642US / 2017.10.06 / Firmware 5.0 or earlier