

User guide

Digital In-the-Ear Hearing Instrument

IIC

CIC

ITC

ITE

Mic in Helix

Beltone **Legend™**

Hearing instrument type designations for models included in this user guide are: **DA312r**, FCC ID: X26DA312r, IC: 6941C-DA312r; **DA13r**, FCC ID: X26DA13r, IC: 6941C-DA13r; **DA312i**, FCC ID: X26DA312i, IC: 6941C-DA312i; and **DA13i**, FCC ID: X26DA13i, IC: 6941C-DA13i. Please see page 4, 5 and 6 for lists of models referring to these types.

Statement:

This device complies with part 15 of the FCC rules and ISED rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules and ISED rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from the one in which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications can void the user's authority to operate the equipment

Intended use

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

The hearing aid is intended to be used by adults and children 12 years of age or older. The hearing aid is intended to be used by lay persons.

Contra-indications

Determination of following conditions does not necessarily exclude hearing aid use, but a licensed physician (preferably an ear specialist) should be consulted promptly before (further) use of the hearing aid;

- Visible congenital or traumatic deformity of the ear.
- Active drainage from the ear, or history hereof within the previous 90 days.
- Sudden or rapidly progressive hearing loss, or history hereof within the previous 90 days.
- Acute or chronic dizziness.
- Unilateral hearing loss of sudden or recent onset within the previous 90 days.
- Audiometric air-bone gap equal to or greater than 15 decibels at 500 hertz (Hz), 1,000 Hz, and 2,000 Hz.
- Significant cerumen accumulation or a foreign body in the ear canal.
- Pain or discomfort in the ear.

The hearing loss should be within the fitting range stated in the technical data provided for the hearing aid.

For devices including a Tinnitus Sound Generator module:

The Tinnitus Sound Generator module is a tool to generate sounds to be used in a Tinnitus Management Programme to temporarily relieve patients suffering from Tinnitus. The target population is primarily the adult population over 18 years of age. This product may also be used with children 12 years of age or older.

Specification of restrictions:

The products are in compliance with the following regulatory requirements:

- In EU: the device conforms to the Essential Requirements according to Annex I of Council Directive 93/42/EEC for medical devices (MDD).
- Hereby, Beltone A/S declares that the radio equipment types DA312r, DA13r, DA312i and DA13i are in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.beltone.com/en/declarations
- In US: FCC CFR 47 Part 15, subpart C.
- Other identified applicable international regulatory requirements in countries outside EU and US. Please refer to local country requirements for these areas.
- In Canada: these hearing instruments are certified under the rules of ISED.
- Japanese Radio Law and Japanese Telecommunications Business Law Compliance. This device is granted pursuant to the Japanese Radio Law (電波法) and the Japanese telecommunications Business Law (電気通信事業法) This device should not be modified (otherwise the granted designation number will become invalid).
- **Patents**
US 7,593,537 US 8,00,849

Mic in Helix (MIH-S) hearing instrument models with size 10A batteries are available in each of the following variants:

LND17MIH-S UP, LND17MIH-S HP, LND17MIH-S MP, LND17MIH-S LP, LND9MIH-S UP, LND9MIH-S HP, LND9MIH-S MP, LND9MIH-S LP, LND6MIH-S UP, LND6MIH-S HP, LND6MIH-S MP, LND6MIH-S LP

Mic in Helix (MIH) hearing instrument models with size 312 batteries (including type **DA312r** with FCC ID X26DA312r, IC number 6941C-DA312r models designated by a “W”) and size 13 batteries (including type **DA13r** with FCC ID X26DA13r, IC number 6941C-DA13r models designated by a “W”) are available in each of the following variants:

LND17MIH-W UP, LND17MIH-W HP, LND17MIH-W MP, LND17MIH-W LP, LND17MIH UP, LND17MIH HP, LND17MIH MP, LND17MIH LP, LND9MIH-W UP, LND9MIH-W HP, LND9MIH-W MP, LND9MIH-W LP, LND-9MIH UP, LND9MIH HP, LND9MIH MP, LND9MIH LP, LND6MIH-W UP, LND6MIH-W HP, LND6MIH-W MP, LND6MIH-W LP, LND6MIH UP, LND6MIH HP, LND6MIH MP, LND6MIH LP

Invisible-in-the-canal (IIC) and **completely-in-the-canal (CIC)** hearing instruments with size 10A battery are available in the following variants:

LND17IIC, LND9IIC, LND6IIC, LND17CIC UP, LND17CIC HP, LND17CIC MP, LND17CIC LP, LND9CIC UP, LND9CIC HP, LND9CIC MP, LND9CIC LP, LND6CIC UP, LND6CIC HP, LND6CIC MP, LND6CIC LP, AY4CIC UP, AY4CIC HP, AY4CIC MP, AY4CIC LP, AY3CIC UP, AY3CIC HP, AY3CIC MP, AY3CIC LP, AY2CIC UP, AY2CIC HP, AY2CIC MP, AY2CIC LP.

In-the-canal (ITC) hearing instrument models with size 312 batteries (including type **DA312i** with FCC ID X26DA312i, IC number 6941C-DA312i models designated by a “W”) and In-the-canal (ITC) hearing instruments (including type **DA13i** with FCC ID X26DA13i, IC number 6941C-DA13i models designated by a “W”) with size 13 battery are available in the following variants:

LND17ITC-DW UP, LND17ITC-DW HP, LND17ITC-DW MP, LND17ITC-DW LP, LND17ITC-D UP, LND17ITC-D HP, LND17ITC-D MP, LND17ITC-D LP, LND17ITC-W UP, LND17ITC-W HP, LND17ITC-W MP, LND17ITC-W LP, LND17ITC UP, LND17ITC HP, LND17ITC MP, LND17ITC LP, LND9ITC-DW UP, LND9ITC-DW HP, LND9ITC-DW MP, LND9ITC-DW LP, LND9ITC-D UP, LND9ITC-D HP, LND9ITC-D MP, LND9ITC-D LP, LND9ITC-W UP, LND9ITC-W HP, LND9ITC-W MP, LND9ITC-W LP, LND9ITC UP, LND9ITC HP, LND9ITC MP, LND9ITC LP, LND6ITC-DW UP, LND6ITC-DW HP, LND6ITC-DW MP, LND6ITC-DW LP, LND6ITC-D UP, LND6ITC-D HP, LND6ITC-D MP, LND6ITC-D LP, LND6ITC-W UP, LND6ITC-W HP, LND6ITC-W MP, LND6ITC-W LP, LND6ITC UP, LND6ITC HP, LND6ITC MP, LND6ITC LP.

AY4ITC-DW UP, AY4ITC-DW HP, AY4ITC-DW MP, AY4ITC-DW LP, AY4ITC-D UP, AY4ITC-D HP, AY4ITC-D MP, AY4ITC-D LP, AY4ITC-W UP, AY4ITC-W HP, AY4ITC-W MP, AY4ITC-W LP, AY4ITC UP, AY4ITC HP, AY4ITC MP, AY4ITC LP, AY3ITC-DW UP, AY3ITC-DW HP, AY3ITC-DW MP, AY3ITC-DW LP, AY3ITC-D UP, AY3ITC-D HP, AY3ITC-D MP, AY3ITC-D LP, AY3ITC-W UP, AY3ITC-W HP, AY3ITC-W MP, AY3ITC-W LP, AY3ITC UP, AY3ITC HP, AY3ITC MP, AY3ITC LP, AY2ITC-DW UP, AY2ITC-DW HP, AY2ITC-DW MP, AY2ITC-DW LP, AY2ITC-D UP, AY2ITC-D HP, AY2ITC-D MP, AY2ITC-D LP, AY2ITC-W UP, AY2ITC-W HP, AY2ITC-W MP, AY2ITC-W LP, AY2ITC UP, AY2ITC HP, AY2ITC MP, AY2ITC LP.

In-the-ear (ITE) hearing instrument models with size 13 batteries (including type **DA13i** with FCC ID X26DA13i, IC number 6941C-DA13i models designated by a “W”) and In-the-ear (ITE) hearing instruments (including type **DA312i** with FCC ID X26DA312i, IC number 6941C-DA312i models designated by a “W”) with size 312 battery are available in the following variants:

LND17ITE-DW UP, LND17ITE-DW HP, LND17ITE-DW MP, LND17ITE-D UP, LND17ITE-D HP, LND17ITE-D MP, LND17ITE-W UP, LND17ITE-W HP, LND17ITE-W MP, LND17ITE UP, LND17ITE HP, LND17ITE MP, LND9ITE-DW UP, LND9ITE-DW HP, LND9ITE-DW MP, LND9ITE-D UP, LND9ITE-D HP, LND9ITE-D MP, LND9ITE-W UP, LND9ITE-W HP, LND9ITE-W MP, LND9ITE UP, LND9ITE HP, LND9ITE MP, LND6ITE-DW UP, LND6ITE-DW HP, LND6ITE-DW MP, LND6ITE-D UP, LND6ITE-D HP, LND6ITE-D MP, LND6ITE-W UP, LND6ITE-W HP, LND6ITE-W MP, LND6ITE UP, LND6ITE HP, LND6ITE MP.

AY4ITE-DW UP, AY4ITE-DW HP, AY4ITE-DW MP, AY4ITE-D UP, AY4ITE-D HP, AY4ITE-D MP, AY4ITE-W UP, AY4ITE-W HP, AY4ITE-W MP, AY4ITE UP, AY4ITE HP, AY4ITE MP, AY3ITE-DW UP, AY3ITE-DW HP, AY3ITE-DW MP, AY3ITE-D UP, AY3ITE-D HP, AY3ITE-D MP, AY3ITE-W UP, AY3ITE-W HP, AY3ITE-W MP, AY3ITE UP, AY3ITE HP, AY3ITE MP, AY2ITE-DW UP, AY2ITE-DW HP, AY2ITE-DW MP, AY2ITE-D UP, AY2ITE-D HP, AY2ITE-D MP, AY2ITE-W UP, AY2ITE-W HP, AY2ITE-W MP, AY2ITE UP, AY2ITE HP, AY2ITE MP

A new Beltone hearing instrument

Congratulations on your choice of a Beltone hearing instrument!

This is an important step towards clearer hearing and better understanding.

We have used all our experience with hearing instruments to help you communicate, lead an enjoyable social life and listen to the world around you.

Your hearing care practitioner has tuned it to your individual needs. With a little devotion and patience you will become familiar with it.

This booklet is a short guide to assist you in getting acquainted with your hearing instrument. Read it carefully and use it as a guideline.

We wish you happiness and pleasant listening with your new instrument.

Beltone

This booklet & your instrument

In this booklet you will find instructions for inserting and operating your new hearing instrument. You will find explanations for using your instrument and for daily handling. We will also give a few practical steps towards better hearing.

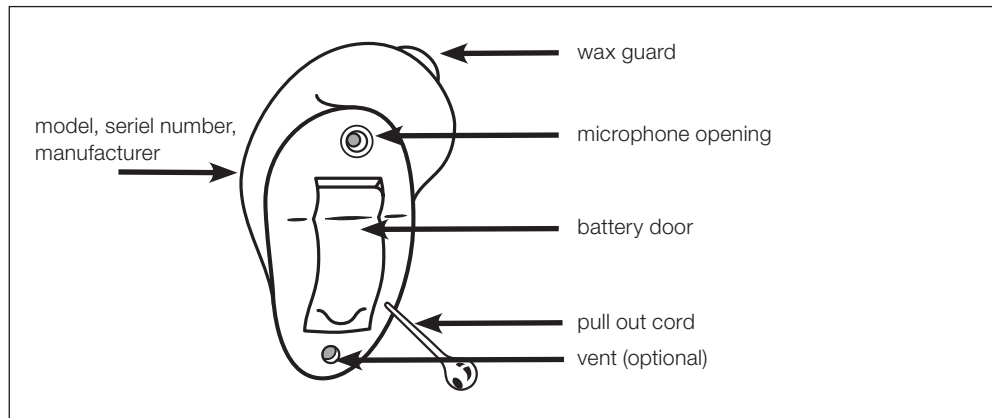
Contents

Statement:	2	Telecoil Programme	26
Intended use	3	Hearing through an induction loop.....	27
Contra-indications.....	3	Using the telephone	28
For devices including a Tinnitus Sound		Auto Phone – optional (not for IIC customs)	29
Generator module:	4	Using Beltone Hearing Instruments with smart	
Specification of restrictions:	4	phone apps.....	31
A new Beltone hearing instrument	8	Using Beltone Hearing Instruments with iPhone®,	
This booklet & your instrument	8	iPad®, and iPod touch® (Beltone Legend).....	32
Your Hearing Instrument	11	Cellular phones	32
Switching on and off	17	Flight Mode.....	33
Delayed Activation	17	Care and maintenance	34
Changing batteries.....	18	Daily Cleaning	35
Inserting and removing your custom		Cleaning the vent	35
instrument.....	20	Wax guard	36
Inserting and removing your custom		Storing Your Instrument	37
instrument (Mic in Helix devices).....	21	Beltone Hearing Instruments – with Tinnitus	
Recognising left and right instrument	22	Breaker Pro	38
Setting the volume – optional.....	23	Prescription Use for Sound Generator Users	
Programme button – optional	24	(US Only).....	38
Dual microphone system – optional	26	Important Notice to Prospective Users	39

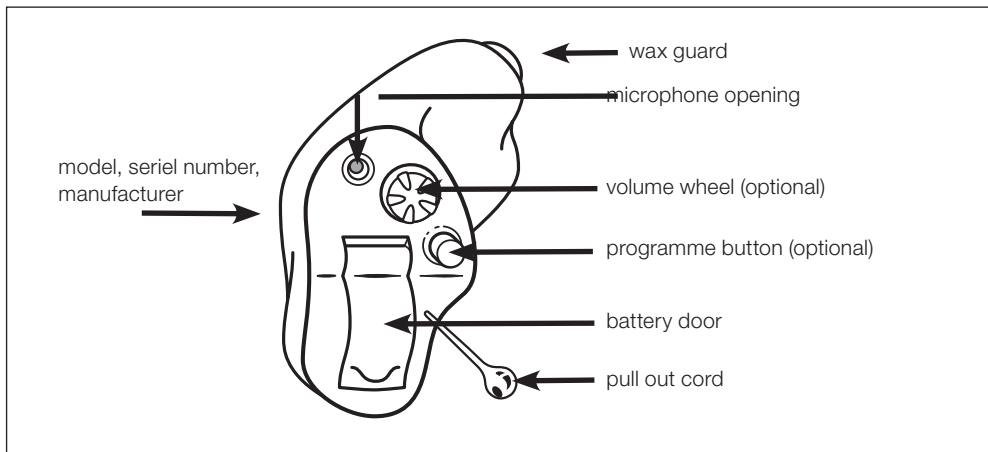
User instructions for the Tinnitus Sound Generator module.....	39	Battery warning information	47
Using TSG with smart phone apps	41	Warning to hearing aid dispensers (US Only) ...	48
The scientific concepts that form the basis for the device	41	Important notice for prospective hearing aid users (US Only)	48
Technical specifications	42	Children with hearing loss (US Only)	49
CAUTION – Tinnitus Sound Generator.....	43	Eight steps towards better hearing	50
Warning – Tinnitus Sound Generator	43	Temperature test, transport and storage information	53
TSG warning to hearing healthcare professionals	44	Technical Data	53
General Precautions	45	Troubleshooting Guide.....	54
General warnings.....	46	Your selected model	56
		International warranty, service and repairs.....	61

Your Hearing Instrument

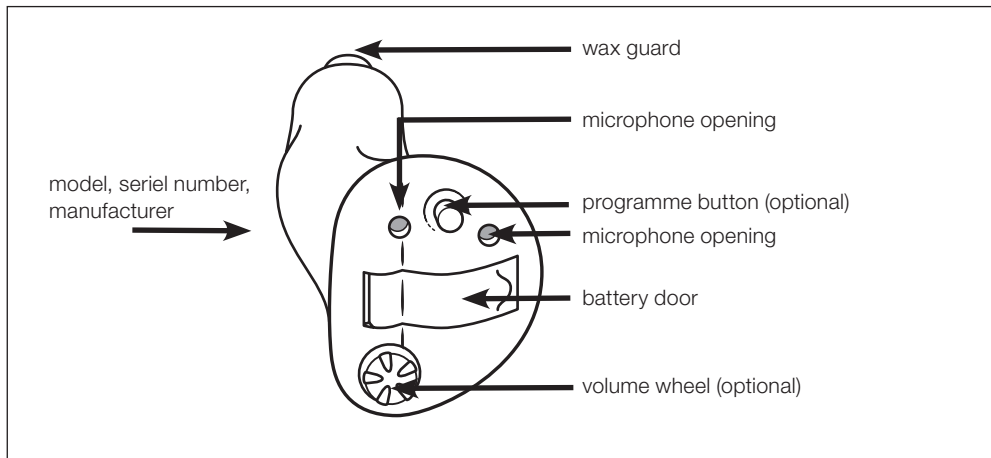
(Please see page 56-59 for your selected model)



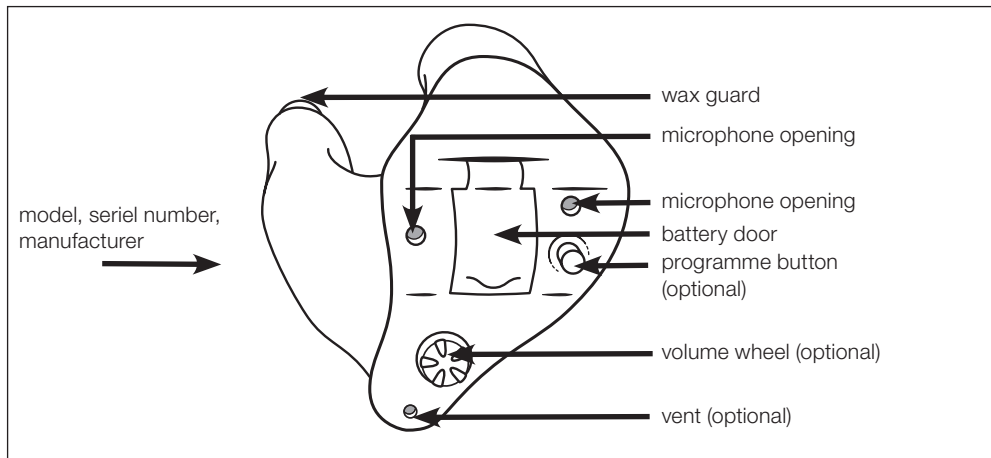
CIC/IIC Hearing Instrument



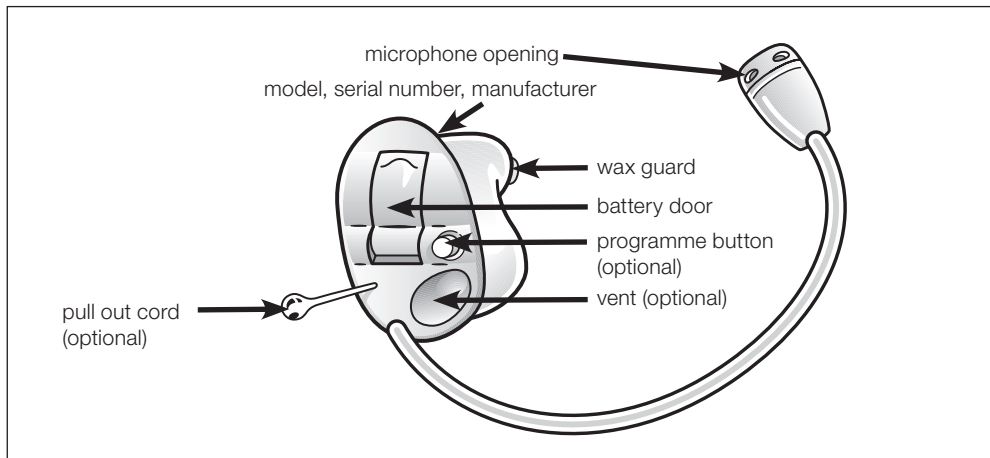
CIC (with optional Programme Button and Volume Control) Hearing Instrument



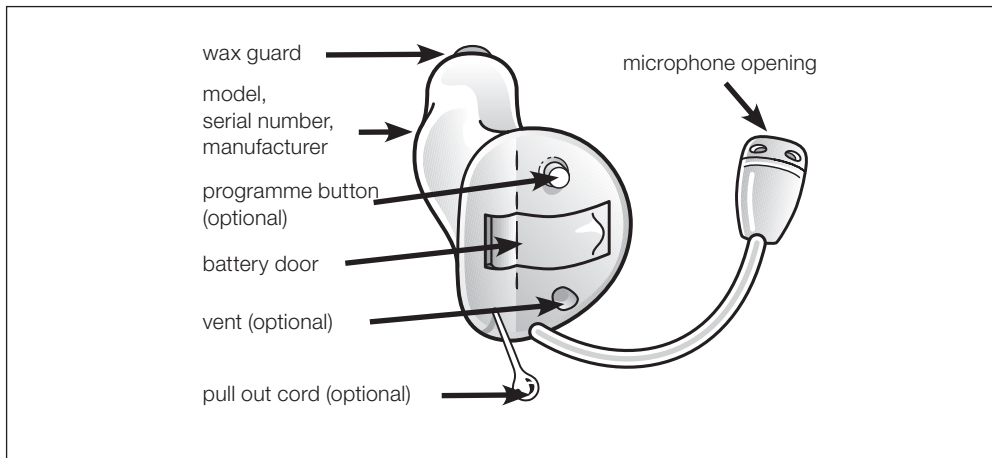
ITC Hearing Instrument



ITE Hearing Instrument



Mic in Helix (10A MIH-S model) Hearing Instrument



Mic in Helix (312/13 MIH model) Hearing Instruments

Switching on and off

Your hearing instrument is switched off by opening the battery door.

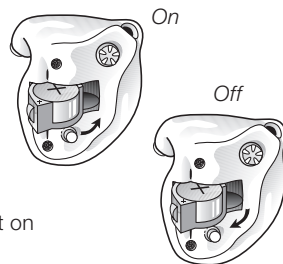
Switch your instrument on by closing the battery door.

Your instrument may have a programme button to switch programmes. However, if you close the battery door your instrument will always start in programme number 1. Read more on this subject on page 21.

At night, leave the battery door open. It increases battery life and allows moisture in your instrument to evaporate and increases the instrument's life span.

Delayed Activation

Your hearing care professional may have activated the Delayed Activation function in your hearing instrument. This function will delay the time in which the hearing instruments turn on by several seconds after the battery compartment is closed. With Delayed Activation, a beep will be heard for each second of the delay period. If you wish, this function can be deactivated by your hearing care professional.



Changing batteries

(Please ask your hearing care professional what battery size is used for your hearing instrument)

Low battery indication

Your hearing care professional can set your hearing instrument to give an acoustical indication when the battery is reaching the end of its life. The hearing instrument will reduce amplification and emit a melody if battery power gets too low. This signal will recur every fifteen minutes until the hearing instrument automatically switches off. It is recommended that you keep spare batteries on hand.

Replacing the battery

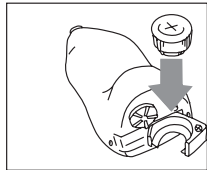
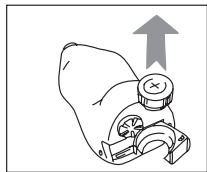
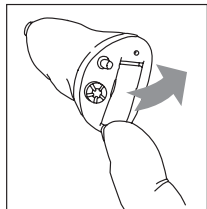
Open the battery door by placing your fingernail/tip under the edge of the battery door and gently push it backwards. When opened, remove the dead battery. The end of the cleaning brush is magnetic. It allows for easy battery removal/insertion.



Always use new Zinc-Air batteries that have a minimum remaining shelf-life of 1 year.

Remove the protective foil and wait 2 minutes to allow full activation of the battery before inserting the battery (plus side facing up) into the hearing instrument. You will recognize the plus side of the battery because it is marked with a +. Check whether the + symbols on the battery and on the battery door are on the same side.

Always insert a battery in the opened door, never directly into the instrument.



Gently close the battery door. never force the door to close. If the door is not closing easily,remove and replace the battery and try again.



Whenever the hearing instruments are not in use, remember to turn them off to avoid unnecessary battery consumption.

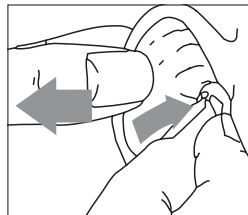
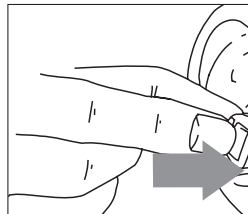
Low battery indicator (when paired with Direct Line accessories)

Active usage of Beltone Direct Line accessories (for example: Remote Control, TV Link 2, Personal Audio Link and Phone Link) requires more battery power from the hearing instrument than when the hearing instruments are working on their own. When the battery in the hearing instrument has depleted to a level at which use of the Beltone TV Link 2 and Phone Link cannot be supported, the hearing instrument will play two sets of descending tones. At some point the battery level will not support the Remote Control either and you will once again hear the descending tones. The hearing instrument will continue to work as usual. Once a new battery is inserted, full operation of the accessories will resume. Remove the protective seal from the fresh battery and insert it in the battery door. Check that the + symbols on the battery and on the battery door are on the same side.

Inserting and removing your custom instrument

Inserting the instrument

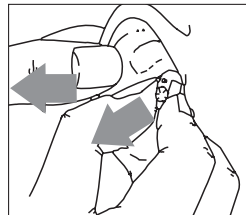
- The insertion process varies with the shape of your ear canal. A fairly straight ear canal allows for easy insertion. However, some ear canals have sharper curves and may require more care.
- Take the hearing instrument between thumb and index finger and position its 'point' in your ear canal. If available the colour dot must point upwards on CIC instruments. For the IIC, a white dot will be on the top side of the shell to show the orientation for insertion.
- Now slide the instrument all the way into your ear canal with a gentle, twisting motion. Insertion can be easier if you gently pull your ear backward with your other hand.
- Move the instrument up and down with your index finger and press gently to ensure it is positioned correctly. Opening and closing your mouth can aid insertion. You will feel when the instrument is inserted correctly.



Removing your instrument

- Using your thumb and index finger gently pull the hearing instrument (not the battery door) from your ear. CIC instruments often have a thin plastic pullout cord. Use this. Never pull the battery door.
- Removal may be easier if you open and close your mouth while simultaneously pulling your ear backward with your other hand.

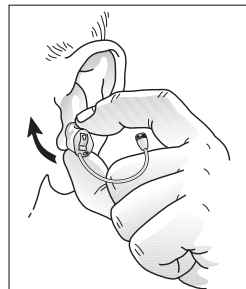
Take some time at home to practice inserting and removing your instrument. It may be helpful to position your elbows on a table and use a mirror.



Inserting and removing your custom instrument (Mic in Helix devices)

Inserting the instrument

- The insertion process varies with the shape of your ear canal. A fairly straight ear canal allows easy insertion. However, some ear canals have sharper curves and may require more care.
- Take the hearing instrument between thumb and index finger and position its 'point' in your ear canal. If available the colour dot must point upwards.
- Now slide the instrument all the way into your ear canal with a gentle, twisting motion. Insertion can be easier if you gently pull your ear backward with your other hand.
- Move the instrument up and down with your index finger and press gently to ensure it is positioned correctly. Opening and closing your mouth can aid insertion. You will feel when the instrument is inserted correctly.



- After the hearing instrument has been properly seated in the ear canal, locate the microphone and tubing.
- Gently push the microphone into the creased area of the ear that is located above the ear canal entrance.
- After the microphone is in place, push the tubing into place.

It is important that the microphone tube fits correctly in your ear. If the microphone tube irritates your ear, please contact your hearing care professional.



Recognising left and right instrument

Your hearing instrument is made to fit your ear - right and left instruments differ in shape.

Your hearing instrument is marked with either a left or right indication:

- A left instrument has a blue wax guard, blue shell, or a blue dot;
- A right instrument has a red wax guard, red shell, or a red dot.

This is easy to remember: **R**ed = **R**ight.

The colour dot must point upwards on your instruments.

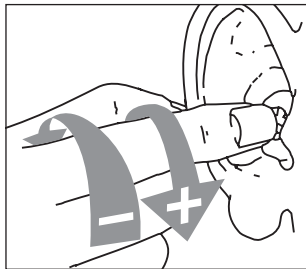
Your hearing instruments are not interchangeable between ears, so do not swap them.

Setting the volume – optional

Your instrument has a fully automatic volume control. Therefore, it should not be necessary to control the amplification (volume) manually.

However, on some types of devices the volume control provides you with the ability to adjust the amplification to your liking. This volume control is not available on IIC instruments.

Use your index finger to turn the volume wheel. Turn the wheel forwards to increase and turn it backward to decrease the volume.



During the fitting of the hearing instrument, your hearing care practitioner will have chosen an optimal volume setting for you. When switching the instrument on, the volume will have that same setting.

- To prevent unintended use by children or users who are physically or mentally challenged, the volume control must be configured to allow only a decrease in the output level.
- If you prefer not to use the volume toggle, your hearing care practitioner can switch the volume control off.

Programme button – optional

If you have a hearing aid with a programme button, this will allow you to use up to four different listening programmes, each of them suitable for certain situations.

After pressing the programme button, the instrument will switch programmes. If it was in programme 1 it will switch to programme 2, if it was in programme 2 it will switch to programme 3, etc.

If programmes 2, 3 or 4 are not activated, nothing will happen.

After pressing the programme button, a beep will indicate that the instrument has switched programme.

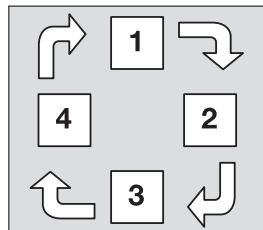
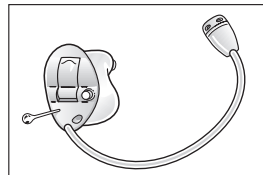
The number of beeps indicate which programme in the instrument is active:

- one single beep indicates programme 1
- two beeps indicate programme 2
- three beeps indicate programme 3
- four beeps indicate programme 4

When you close the battery door and switch the instrument on it will start in programme 1, confirmed by one single beep.

Press the programme button if you want to move to a different listening programme.

If you have two hearing instruments with the synchronization function enabled, programme changes to one instrument will automatically repeat in the second instrument. When a programme change is made in one instrument, you will hear the same amount of confirmation beeps in the second instrument.



Let your hearing care practitioner fill out the following table:

Programme number	Type of programme	Intended for
1		
2		
3		
4		

Note: Not all devices have 4 programmes so ask your hearing care professional if your device is equipped for multiple programmes

Dual microphone system – optional

ITC and ITE models can optionally have a directional microphone function, recognisable by a 2nd microphone opening. If you want to listen to a person in a noisy environment, the microphone in these hearing instruments can help you to concentrate on the speech. If the microphone is in the directional mode the background noise may be suppressed. In this mode the sounds in front of you will be enhanced, so you can better hear the speech of the person you look at. Your hearing care practitioner can programme the microphone in the required modes.

Depending on your hearing instrument and the setting chosen by you and your hearing care practitioner, switching to and from directional mode can be done automatically.

Telecoil Programme

Your hearing instrument may have an optional built-in function, enabling an improved use of the telephone and better hearing in churches or halls where an induction loop system is installed. In order to activate this function, the telecoil programme has to be selected. In this programme you will hear the tele-loop transmitted sounds through the telecoil and the environmental sounds through the hearing aid microphone. If you wish, your hearing care professional can change the settings in such a way that you will hear no sounds from the microphone, meaning that most environmental sounds will be lost.

Hearing through an induction loop

More and more public places, churches, theatres and cinemas, have induction loop systems. In these particular rooms, they transmit the sound of the presenter or show. At home, radio or television can be connected to an induction loop system. Sound quality through an induction loop is often better because noises from the environment are not transmitted.

- Switch your instrument to the telecoil programme.
- Choose a good spot. Reception is not clear in all locations; it depends on the position of the induction loop. Watch for signs or try a different seat yourself.
- If needed, adjust the volume up or down.
- After the service or show, switch your instrument back to the microphone programme. You will now hear through the microphone again.
- If the sound of your hearing instrument in the telecoil programme is very soft all the time, ask your hearing care practitioner to make an adjustment.
- Your hearing care practitioner will gladly provide you with advice regarding an induction loop system at home. Please ask for it.

Using the telephone

Your hearing instrument allows you to use the telephone as you ordinarily do. Hold the phone up to your ear as you normally would.

If you should experience any problems when using the phone, try one of the following solutions:

- Switch your instrument to the telecoil programme, by pushing the programme button.
- Hold your telephone handset over your ear as you normally would, but without pressing against the hearing instrument.
- Listen to the dialing tone and move the handset a little to find the position that gives the best reception.
- The best position to hold a telephone may be determined by the shape of telephone you are using.
- If needed, turn the volume up or down.
- After completing the phone call, switch your instrument back to the microphone programme.

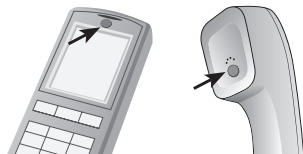
If the phone has a poor telecoil signal, use the microphone programme. Do not hold the handset too tightly against your ear since this might cause 'whistling.'



Your hearing care professional can design a telephone programme that you can switch to when using the phone. This programme is designed to ease listening on a phone. If you have a hearing instrument with a programme button, you can switch to this programme manually. Your hearing care professional can also enable the Auto-Phone function to switch to the telephone programme automatically.

Auto Phone – optional (not for IIC customs)

The Auto Phone function allows your hearing instrument to automatically switch to your telephone programme when a telephone receiver is raised to the ear. When the telephone receiver is removed from the ear, the hearing instrument automatically returns to the previous listening programme.



Placement of Auto Phone magnets

Place Auto Phone magnet on your telephone receiver to allow operation of the Auto Phone function. In order to place Auto Phone magnet properly:

1. Clean the telephone receiver thoroughly.
2. Hold the telephone vertically, in a position similar to when making a telephone call.
3. Place the magnets just below the telephone receiver. Make sure not to cover the microphone openings. If necessary, move the magnet to another position to improve ease of use and comfort while speaking.
4. If you are not satisfied with the strength of Auto Phone, you can reposition the Auto Phone magnet or add additional Auto Phone magnets.



Only use recommended cleaning agent to clean the telephone prior to placing the magnet on the phone in order to obtain best possible adherence.

Auto Phone warnings

Keep magnets out of reach of pets, children and mentally challenged persons. If a magnet is swallowed, please seek advice from a medical practitioner.

The magnet may affect some medical devices or electronic systems. The manufacturer of any magnetically sensitive devices (e.g. pacemakers) should advise you regarding appropriate safety precautions when using your hearing instrument and magnet in close proximity to the medical device or electronic system in question.

If the manufacturer cannot issue a statement, we recommend keeping the magnet or a telephone equipped with the magnet 30 cm (12") away from magnetically sensitive devices (e.g. pacemakers).

Auto Phone precautions

High distortion during dialing or phoning may mean that the magnet is not in the optimal position relative to the telephone receiver. To avoid the issue, please move the magnet to another place on the telephone receiver.

Only use magnets supplied by Beltone.

Auto Phone usage

Telephones can be used in a normal manner. A short melody will indicate that the Auto-Phone feature has automatically switched to the programme designed specifically for listening on the phone. Initially, you may need to move the telephone receiver slightly to find the best position for reliable Auto-Phone activation and good hearing on the telephone. If the switching mechanism is not reliable or consistent, additional magnets can be placed on the telephone.

Listen to radio or TV

When listening to the TV or the radio, start out by listening to news commentators since they usually speak clearly, then try other programmes. If you find it difficult to listen to TV or radio, your hearing care professional will be able to give you advice on available accessories to enhance your listening capabilities for TV and radio.

Using Beltone Hearing Instruments with smart phone apps



Intended use of smart phone apps:

Beltone smart phone apps are intended to be used with Beltone wireless hearing aids. Beltone smart phone apps send and receive signals from the Beltone wireless hearing aids via smart phones for which the apps have been developed.

Use with smart phone apps:

- Notifications of app updates should not be disabled, and it is recommended that the user installs all updates to ensure that the app will function correctly and will be kept up to date.
- The app must only be used with Beltone devices for which it is intended, and Beltone take no responsibility if the app is used with other devices.

- If you would like a printed version of the user guide for a smart phone app please consult customer support or our website to obtain a printed user guide.

Using Beltone Hearing Instruments with iPhone®, iPad®, and iPod touch® (Beltone Legend)

Beltone Legend™ is a Made for iPhone instrument and allows for direct communication and control with an iPhone, iPad, or iPod touch. For assistance in pairing and using these products with your Beltone Legend™ wireless device, please contact your hearing care professional.

Cellular phones

Your hearing instrument is designed to comply with the most stringent Standards of International Electromagnetic Compatibility. However, not all cell phones are hearing instrument compatible. The varying degree of disturbance can be due to the nature of your particular cellular phone or of your wireless service provider. If you find it difficult to obtain a good result while using your cellular phone, your hearing care professional will be able to give you advice on available accessories to enhance listening capabilities.

Flight Mode

When boarding a flight or entering an area where RF transmitters are prohibited, wireless functionality must be deactivated as it is not allowed to radiate radio signals during flights or in otherwise restricted areas.

For wireless hearing instruments follow the following steps to enter and leave flight mode:

It is possible to disable wireless operation by performing the following sequence of operations. Note that this operation is the same for both hearing instruments with and without a programme button.

1. Close the battery door (Hearing Instrument is turned on)
2. Open the battery door within 10 seconds of doing operation #1 (Hearing Instrument is turned off)
3. Close the battery door (Hearing Instrument is turned on 2nd time)
4. Open the battery door within 10 seconds after doing operation #3 (Hearing Instrument is turned off 2nd time)
5. Close the battery door (Hearing Instrument is turned on 3rd time)

When disabled manually, it is possible to re-enable wireless operation by opening and closing the battery door. 10 seconds after this operation is completed, wireless operation will begin again.

Note: It is important to wait an additional 15 seconds after wireless function resumes before opening and closing the battery compartment again for any reason. If the battery compartment is opened and closed during this 15 second window, flight mode will resume.

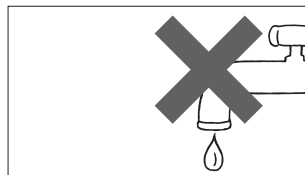
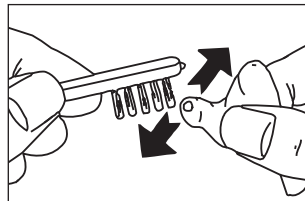
Care and maintenance

Please follow the following instructions to prolong the durability of your hearing instruments:

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

Daily Cleaning

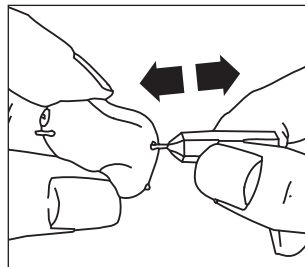
- Clean your instrument with a soft, dry cloth and the small brush. Do this above a soft surface or table to avoid damage if the instrument falls.
- Do not use water or fluids.
- Do not use alcohol or any other solvents to clean your hearing aids – the protective coating will be damaged.



Cleaning the vent

Your hearing instrument may have a vent, a small canal through the entire instrument. If so, clean it regularly.

- Insert the vent-cleaning tool – plastic line with handle – into the vent. Push the cleaning line completely through the vent.
- Wipe off any collected earwax.
- Pull the line out and wipe off again.
- Repeat this until all the earwax has been removed.



Wax guard

Your hearing instrument is usually equipped with a wax guard. The wax guards are available in a set, containing red guards, blue guards, and a dedicated tool for changing them. Use red wax guards for right instruments and blue guards for left instruments. For IIC and some custom products instruments, a white wax guard is used for both left and right instruments.

For changing HF3 (red/blue) wax filters, the following steps are needed:

1. Brush the sound outlet area with the sound outlet pointed down.
2. Insert the threaded end of the wax filter tool into the used wax filter, and gently rotate clockwise.
3. Gently pull until the used filter is removed.
4. Discard the used filter in the slot located in the wax filter kit by pressing it into the center, sliding it to one end of the slot, and pull until the filter is discarded.
5. Flip the wax filter tool around, locate a new filter in the dial, and press the tip of the tool into the center of the dial.
6. Gently pull the new filter out of the dial.
7. Align the new filter to the sound outlet.
8. Press the new filter into the opening, and simultaneously pull and rock back and forth until the new wax filter is in place.

For changing Cerustop (white) wax filters, the following steps are needed:

1. To remove the old wax guard, insert the removal side of the wax guard tool into the used wax guard so that the shaft of the tool is touching the rim of the wax guard. Slowly pull the wax guard straight out.
2. To insert the new wax guard, gently press the replacement side of the wax guard tool straight into the hole of the sound outlet until the outer ring lies flush with the outside of the receiver. Pull the tool straight out -the new wax guard will remain in place.

For changing Sentry II (red/blue) wax filters, the following steps are needed:

1. To remove the wax guard from your hearing instrument, slide the forked side of the tool under the wax guard and pull it upwards.
2. Pick up a new wax guard from the front side of the card by using the other 'nub' end of the tool. The large red and blue arrows on the card indicate the front side. Slide the wax guard to the side, through the card.
3. Insert the wax guard into the sound outlet of the hearing instrument.



As some custom devices may be built with different wax protection systems, please consult your hearing care professional for the correct usage and maintenance of your wax guard system.

Storing Your Instrument

When you are not using your instrument, keep or transport it in the box supplied. Leave the battery door open. Keep your instrument in a dry place, not in a bathroom or other humid place. Alternatively, you could store the instrument in a desiccator from your hearing care practitioner.

Beltone Hearing Instruments – with Tinnitus Breaker Pro

Prescription Use for Sound Generator Users (US Only)

The Tinnitus Sound Generator module is a tool to generate sounds to be used in a Tinnitus Management Program to temporarily relieve patients suffering from Tinnitus.

The target population is primarily the adult population over 18 years of age. This product may also be used with children 5 years of age or older.

However, children and physically or mentally disabled users will require training by a doctor, audiologist, hearing care professional or the guardian for the insertion and removal of the hearing aid containing the TSG module.

The TSG module is prescribed by healthcare professionals treating patients suffering from Tinnitus, as well as conventional hearing disorders. The fitting of the TSG module must be done by a hearing professional participating in a Tinnitus Management Programme.

Side-effects

Should you develop any side effects from using the sound generator, such as dizziness, nausea, headaches, perceived decrease in auditory function or increase in tinnitus perception, you should discontinue use of sound generator and seek medical evaluation.

Contra-indications

No separate contra-indications for the TSG module.

Important Notice to Prospective Users

Good health practice requires that a person with a hearing loss and/or a tinnitus condition have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear) before using a hearing instrument and/or a sound generator, such as the Beltone Legend™ or Beltone Ally™. The purpose of a medical evaluation is to ensure that all medically treatable conditions that may affect hearing and/or tinnitus are identified and treated before the hearing instrument and/or sound generator is used.

User instructions for the Tinnitus Sound Generator module

Description of the device

The Tinnitus Sound Generator (TSG) module is a software tool that generates sounds to be used in tinnitus management programmes to relieve suffering from tinnitus.

Explanation of how the device functions

The TSG module is a frequency and amplitude shaped white-noise generator. Noise signal level and frequency characteristics can be adjusted to the specific therapeutic needs as determined by your doctor, audiologist or hearing healthcare professional.

Your doctor, audiologist or hearing healthcare professional can modulate the generated noise with the purpose of making it more pleasant. The noise can then resemble, for example, crashing waves on a shore. Modulation level and speed can also be configured to your likes and needs. An additional feature can be enabled by your hearing healthcare professional that allows you to select predefined sounds that simulate sounds from nature, such as breaking waves or running water.

If you have two wireless hearing aids that support ear to ear synchronization this functionality can be enabled by your hearing healthcare professional. This will cause the Tinnitus Sound Generator to synchronize the sound in both hearing aids.

If your tinnitus troubles you only in quiet environments, your doctor, audiologist or hearing healthcare professional can set the TSG Module so that it becomes audible exclusively in such surroundings. The overall sound level can be adjusted via an optional volume control. Your doctor, audiologist or hearing healthcare professional will review with you the need for having such a control.

For hearing aids where ear to ear synchronization is enabled your hearing healthcare professional can also enable environmental monitoring synchronization so that the TSG noise level is automatically adjusted simultaneously in both hearing aids dependent on the background sound level. Additionally if the hearing aid has a volume control then the background noise level monitored by the hearing aid and the volume control can be used simultaneously to adjust the generated noise level in both hearing aids.

TSG volume control

The sound generator is set to a specific loudness level by the hearing healthcare professional. When switching the sound generator on, the volume will have this optimal setting. Therefore, it might not be necessary to control the volume (loudness) manually. However, the volume control provides the ability to adjust the volume, or amount of stimulus, to the liking of the user.

Using TSG with smart phone apps

The tinnitus sound generator control via hearing aid push buttons can be enhanced with wireless control from a TSG control app on a smart phone or mobile device. This functionality is available in supported hearing aids when a hearing healthcare professional has enabled the TSG functionality during fitting of the hearing aid.

To use smart phone apps the hearing aid must be connected with the smart phone or mobile device.

The scientific concepts that form the basis for the device

The TSG module provides sound enrichment with the aim of surrounding the tinnitus sound with a neutral sound which is easily ignored. Sound enrichment is an important component of most approaches to tinnitus management, such as Tinnitus Retraining Therapy (TRT). To assist habituation to tinnitus, tinnitus needs to be audible. The ideal level of the TSG module, therefore, should be set so that it starts to blend with the tinnitus, and so that you can hear both your tinnitus as well as the sound used.

In a majority of instances, the TSG Module can also be set to mask the tinnitus sound, so to provide temporary relief by introducing a more pleasant and controllable sound source.

Technical specifications

Audio signal technology

Digital

Available sounds – Tinnitus Breaker Pro sound generator

White noise signal which can be shaped with the following configurations:

High-pass filter	Low-pass filter
500 Hz	2000 Hz
750 Hz	3000 Hz
1000 Hz	4000 Hz
1500 Hz	5000 Hz
2000 Hz	6000 Hz

The white noise signal can be modulated in amplitude with an attenuation depth of up to 14dB.

CAUTION – Tinnitus Sound Generator

- The maximum output of the sound generator falls into the range that can cause hearing loss according to OSHA regulations. In accordance with NIOSH recommendations the user should not use the sound generator for more than eight (8) hours a day when this is set to a level of 85db SPL or above. When the sound generator is set to levels of 90db SPL or above the user should not use the sound generator for more than two (2) hours per day. In no case should the sound generator be worn at uncomfortable levels.
- Children and physically or mentally challenged users will require guardian supervision while wearing the device.
- Should the user develop any side effects from using the sound generator, such as dizziness, nausea, headaches, perceived decrease in auditory function or increase in tinnitus perception, the user should discontinue use of the sound generator and seek medical evaluation. Children and physically or mentally challenged users will require guardian supervision while wearing the device.
- The volume control is an optional feature in the TSG module used for adjusting the sound generator output level. To prevent unintended usage by pediatric or physically or mentally challenged users, the volume control must, if enabled, be configured to only provide a decrease of the sound generator output level.

Warning – Tinnitus Sound Generator

- Hearing instruments and sound generators can be dangerous if improperly used.
- Sound generators should be used only as advised by your doctor, audiologist, or hearing care professional.
- Sound generators are not toys and should be kept out of reach of anyone (especially children and pets) who might cause themselves injury.

TSG warning to hearing healthcare professionals

A hearing healthcare professional should advise a prospective sound generator user to consult promptly with a licensed physician (preferably an ear specialist) before getting a sound generator if the hearing healthcare 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 15dB at 500 hertz (Hz), 1000 Hz, and 2000 Hz.
- (vii) Visible evidence of significant cerumen accumulation or a foreign body in the ear canal.
- (viii) Pain or discomfort in the ear.

General Precautions

- Wearing an instrument might cause an increased production of earwax. In rare cases, the anti-allergenic materials may cause skin irritation. If so, or if in doubt, consult your physician or hearing care professional.
- For use of wireless functionality, only use Beltone Direct Line accessories. For further guidance, please refer to the relevant Beltone Direct user guide.
- Only connect Beltone hearing instruments to Beltone accessories intended and qualified to be used with Beltone hearing instruments.
- When wireless function is activated, the device uses low-powered, digitally coded transmissions in order to communicate with other wireless devices. Although unlikely, nearby electronic devices may be affected. In that case, move the hearing instrument away from the affected electronic device.
- When using wireless functionality and the devices are affected by electromagnetic interference, move away from the source interference.
- Use only original Beltone consumables, e.g. wax guards.
- Never attempt to modify the shape of the hearing instrument, shell, or tubing yourself.

General warnings

Hearing instruments can be dangerous if improperly used.

- Consult a hearing care professional if you discover a foreign object in your ear canal, if you experience skin irritation, or if excessive ear wax accumulates with the use of the hearing instrument.
- Different types of radiation, (e.g. from X-ray, MRI, NMR, CT scans), may damage the instrument. Therefore, do not wear the instrument during these or other corresponding scanning procedures. Other types of radiation (burglary alarms, room surveillance systems, radio equipment, mobile telephones, etc) will not damage the instrument. They could, however, momentarily affect the sound quality or create strange sounds from the instruments.
- Do not wear hearing instruments in mines, oil fields, or other explosive areas unless those areas are certified for hearing instrument use.
- Do not allow others to use your hearing instruments. This may cause damage to the hearing instruments or to the hearing of the other individual.
- Instrument usage by children or mentally challenged persons should be supervised at all times to ensure their safety.
- The hearing instrument contains small parts that could be swallowed by children. Please be mindful not to leave children unsupervised with this hearing instrument.
- Hearing instruments should be used only as prescribed by your hearing care professional. Incorrect use may result in sudden and permanent hearing loss.
- If the device is broken, DO NOT USE IT.
- Remember to deactivate the wireless functionality when boarding flights. Turn off your wireless functionality by using the flight mode in areas where radio frequency emission is prohibited.
- External devices connected to the electrical input must be safe according to the requirements of IEC 60601-1-1, IEC 60065, or IEC 62368-1, as appropriate.

- Special care should be exercised in selecting and fitting a hearing instrument(s) whose maximum sound pressure level exceeds 132 dB SPL (with an IEC 60711:1981 occluded ear simulator), because there may be a risk of impairing the remaining hearing of the hearing instrument user.
- Side-effects: If you experience side effects, contact your hearing care professional. Possible side effects from wearing a hearing aid may be: dizziness, tinnitus, perceived worsening of hearing loss, nausea, skin reaction, and ear wax accumulation.



Note:

- Beltone wireless devices operate in the frequency range of 2.4 GHz - 2.48 GHz.
- Beltone wireless devices include a RF transmitter that operates in the range of 2.4 GHz - 2.48 GHz.
- Nominal RF output power transmitted is 0 dBm.
- For use of wireless functionality only use Beltone Direct Line accessories. For further guidance regarding e.g. pairing, please refer to the user guide of the relevant Beltone Direct Line accessory.

Battery warning information

Batteries, although very small, contain dangerous substances, and should be disposed of carefully. This is for the safety of you and the environment. Please note:

1. DO NOT attempt to recharge batteries (Zinc Air) which are not specifically designated as rechargeable because they may leak or explode.
2. DO NOT attempt to dispose of batteries by burning them. Used batteries are harmful to the environment. Please dispose of them according to local regulations or return them to your hearing care practitioner.
3. DO NOT place batteries in your mouth. Consult a physician immediately if a battery has been swallowed, as they can be harmful to your health.
4. Keep batteries away from pets, children and individuals who are mentally challenged.
5. Remove the batteries to prevent leakage when the hearing instruments are not in use for an extended period of time.



Warning to hearing aid dispensers (US Only)

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

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

Important notice for prospective hearing aid users (US Only)

Good health practice requires that a person with a hearing loss have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear) before purchasing a hearing aid. Licensed physicians who specialize in diseases of the ear are often referred to as otolaryngologists, otologists or otorhinolaryngologists. The purpose of medical evaluation is to assure that all medically treatable conditions that may affect hearing are identified and treated before the hearing aid is purchased.

Following the medical evaluation, the physician will give you a written statement that states that your hearing loss has been medically evaluated and that you may be considered a candidate for a hearing aid. The physician will refer you to an audiologist or a hearing aid dispenser, as appropriate, for a hearing aid evaluation.

The audiologist or hearing aid dispenser 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 programme. Many hearing aid dispensers now offer programmes that permit you to wear a hearing aid for a period of time for a nominal fee after which you may decide if you want to purchase the hearing aid.

Federal law restricts the sale of hearing aids to those individuals who have obtained a medical evaluation from a licensed physician. Federal law permits a fully informed adult to sign a waiver statement declining the medical evaluation for religious or personal beliefs that preclude consultation with a physician. The exercise of such a waiver is not in your best health interest and its use is strongly discouraged.

Children with hearing loss (US Only)

In addition to seeing a physician for a medical evaluation, a child with a hearing loss should be directed to an audiologist for evaluation and rehabilitation since hearing loss may cause problems in language development and the educational and social growth of a child. An audiologist is qualified by training and experience to assist in the evaluation and rehabilitation of a child with a hearing loss.

Eight steps towards better hearing

You need to get used to your new hearing instrument. Sounds seem new and different. That is because you grew accustomed to your diminished hearing. Therefore, familiar sounds seem strange or unnatural at first. Every first-time user of a hearing instrument responds differently to this. Some can wear the new instrument a whole day right from the start, while others find it hard to get used to.

After a while, you will notice you appreciate hearing with a hearing instrument and that you will find it quite normal. Below, eight steps are described that will guide you through the initial period. If you are not satisfied or keep experiencing problems, please consult your hearing care practitioner.

1. Get used to familiar sounds at home

Try to get used to the new sounds from a familiar environment. Listen to the different (background) sounds and try to recognise them. When you are tired from listening, remove your instrument and take a break.. Talk or read aloud with your hearing instrument(s). In that way you will familiarise yourself with the sound of your own voice. Gradually, you will learn to use the instrument for longer and become more comfortable with it.

2. Listen outside; quiet & traffic

Spend some time getting used to the sounds around you with your hearing instruments. Keep in mind that traffic and other loud sounds may be louder than you expect initially, but will seem more normal in loudness as time passes.

3. Have a conversation with a single person

Use your instrument in conversation with one person, a family member or a friend. Move to a quiet spot. Explain that you are now wearing a hearing instrument. Ask the other person to talk normally. Look at your conversation partner. If your instrument is tuned to your requirements, you will be able to communicate better than before.

4. Listen to radio or television

Listen to the radio or television. Start with the news, then turn to another programme. Ask a 'normal hearing' person to set the volume of your radio or television to a comfortable level. If necessary, adjust the volume on your hearing instrument.

If you cannot understand the radio or television, ask your hearing care practitioner to adjust your hearing instrument.

5. Get used to conversations in a group

Following conversations in a group is often difficult because of the background noise. Listen to the different voices. Try to recognise them by timbre or rhythm and link each voice to a person. Focus your attention on the person you want to understand. Practice this regularly. If you did not understand something that was said, please ask for it to be repeated.

Ensure that you can see the face of your conversation partner(s) clearly and that there is sufficient light. This will help you to lip-read. Avoid looking into the light. Position yourself with your back towards the window, so that you can see the other person(s) better. Ask others to talk slowly and clearly. Talking louder does not help.

6. Visit public buildings

Visit public buildings. Try to sit near the speaker; try to be seated in the front rows in a show. Avoid a seat behind a pillar or in an alcove, as you will be in a 'sound shadow.'

In a restaurant, sit with your back towards the wall. This avoids disturbing noises coming from behind you.

7. Use your telephone

Often, you can hear the telephone clearly with your hearing instrument in a microphone programme. Hold the telephone handset 1-inch (2-3cm) from your ear and tilt the receiver outwards a little.

Your hearing instrument meets strict international regulations. Therefore, it should be possible to use a mobile phone in most cases. However, in some circumstances, disturbance might be audible through your hearing instrument.

8. Use your instrument all day

Using your hearing instrument and practising with it is the best way to learn to hear again. Even if you can hear without an instrument in some cases, try to wear your instrument all day. In that way, you will benefit the most.

Of course, a hearing instrument cannot restore natural hearing, but it will help you make the most of your hearing as it is today.

Go beyond these eight steps and discover the world of sound around you. Do the things you enjoy and listen to the sounds from your environment.

Temperature test, transport and storage information

Our hearing aids are subjected to various tests in temperature and damp heating cycling between -25 °C (-13 °F) and +70 °C (+158 °F) according to internal and industry standards.

During normal operation the temperature should not exceed the limit values of +5 °C (+41 °F) to +40 °C (+104 °F), at a relative humidity of 90 %, non-condensing. An atmospheric pressure between 700 hPa and 1060 hPa is appropriate.

During transport or storage, the temperature should not exceed the limit values of:

- -25 °C (-13°F) to +5 °C (40°F)
- +5 °C (41°F) to +35 °C (95°F) at a relative humidity up to 90 %, non-condensing
- >35 °C (95°F) to 70 °C (158°F) at a water vapour pressure up to 50 hPa.

Warm-up time: 5 minutes.

Cool-down time: 5 minutes”

Technical Data

Hearing instrument maximum output

Model	Hearing Instrument max output (IEC 118-0 OES)	Hearing Instrument max output (IEC 60118-7 and ANSI S3.22-2009)
All Low Power (LP) models including IIC	124 dB SPL	115 dB SPL
All Medium Power (MP) models	127 dB SPL	119 dB SPL
All High Power (HP) models	130 dB SPL	121 dB SPL
All Ultra Power (UP) models	137 dB SPL	130 dB SPL

Troubleshooting Guide

SYMPTOM	CAUSE
Feedback, 'whistling'	Is your instrument inserted correctly?
	Is the volume too loud?
	Are you holding your hand or an object (e.g. a hat) too close to an instrument?
	Is your ear full of wax?
No sound	Is the instrument switched on?
	Is there a battery in the instrument?
	Is the battery still good?
	Is your ear full of wax?
Sound is distorted, spluttering or weak	Is the battery dead?
	Is the battery dirty?
	Did your instrument get moist?
Battery drains very quickly	Did you leave your hearing instrument switched on at night?
	Is the battery old?

POSSIBLE REMEDY

Put it in again

Reduce it

Move your hand away or create some more space between the instrument and the object

Visit your physician

Switch it on

Insert a battery

Replace it with a new one

Visit your physician

Replace it with a new one

Clean it or use a new one

Use a dissector

Always switch off the instrument at night

Check the date on the battery packaging

Your selected model

Hearing instrument type designations for models included in this user guide are included in the following chart. Your hearing care professional place a check mark in the below table to identify the model you have and fill out the tables on the following pages.

- LND17IIC
- LND9IIC
- LND6IIC
- LND17CIC UP
- LND17CIC HP
- LND17CIC MP
- LND17CIC LP
- LND9CIC UP
- LND9CIC HP
- LND9CIC MP
- LND9CIC LP
- LND6CIC UP
- LND6CIC HP
- LND6CIC MP
- LND6CIC LP
- LND17MIH-W UP

- LND17MIH-W HP
- LND17MIH-W MP
- LND17MIH-W LP
- LND17MIH UP
- LND17MIH HP
- LND17MIH MP
- LND17MIH LP
- LND17MIH-S UP
- LND17MIH-S HP
- LND17MIH-S MP
- LND17MIH-S LP
- LND9MIH-W UP
- LND9MIH-W HP
- LND9MIH-W MP
- LND9MIH-W LP
- LND9MIH UP

- LND9MIH HP
- LND9MIH MP
- LND9MIH LP
- LND9MIH-S UP
- LND9MIH-S HP
- LND9MIH-S MP
- LND9MIH-S LP
- LND6MIH-W UP
- LND6MIH-W HP
- LND6MIH-W MP
- LND6MIH-W LP
- LND6MIH UP
- LND6MIH HP
- LND6MIH MP
- LND6MIH LP
- LND6MIH-S UP

LND6MIH-S HP
 LND6MIH-S MP
 LND6 MIH-S LP
 LND17ITC-DW UP
 LND17ITC-DW HP
 LND17ITC-DW MP
 LND17ITC-DW LP
 LND17ITC-D UP
 LND17ITC-D HP
 LND17ITC-D MP
 LND17ITC-D LP
 LND17ITC-W UP
 LND17ITC-W HP
 LND17ITC-W MP
 LND17ITC-W LP
 LND17ITC UP
 LND17ITC HP
 LND17ITC MP
 LND17ITC LP
 LND9ITC-DW UP
 LND9ITC-DW HP
 LND9ITC-DW MP

LND9ITC-DW LP
 LND9ITC-D UP
 LND9ITC-D HP
 LND9ITC-D MP
 LND9ITC-D LP
 LND9ITC-W UP
 LND9ITC-W HP
 LND9ITC-W MP
 LND9ITC-W LP
 LND9ITC UP
 LND9ITC HP
 LND9ITC MP
 LND9ITC LP
 LND6ITC-DW UP
 LND6ITC-DW HP
 LND6ITC-DW MP
 LND6ITC-DW LP
 LND6ITC-D UP
 LND6ITC-D HP
 LND6ITC-D MP
 LND6ITC-D LP
 LND6ITC-W UP

LND6ITC-W HP
 LND6ITC-W MP
 LND6ITC-W LP
 LND6ITC UP
 LND6ITC HP
 LND6ITC MP
 LND6ITC LP
 LND17ITE-DW UP
 LND17ITE-DW HP
 LND17ITE-DW MP
 LND17ITE-D UP
 LND17ITE-D HP
 LND17ITE-D MP
 LND17ITE-W UP
 LND17ITE-W HP
 LND17ITE-W MP
 LND17ITE UP
 LND17ITE HP
 LND17ITE MP
 LND9ITE-DW UP
 LND9ITE-DW HP
 LND9ITE-DW MP

LND9ITE-D UP
 LND9ITE-D HP
 LND9ITE-D MP
 LND9ITE-W UP
 LND9ITE-W HP
 LND9ITE-W MP
 LND9ITE UP
 LND9ITE HP
 LND9ITE MP
 LND6ITE-DW UP
 LND6ITE-DW HP
 LND6ITE-DW MP
 LND6ITE-D UP
 LND6ITE-D HP
 LND6ITE-D MP
 LND6ITE-W UP
 LND6ITE-W HP
 LND6ITE-W MP
 LND6ITE UP
 LND6ITE HP
 LND6ITE MP

AY4CIC-UP
 AY4CIC-HP
 AY4CIC-MP
 AY4CIC-LP
 AY3CIC-UP
 AY3CIC-HP
 AY3CIC-MP
 AY3CIC-LP
 AY2CIC UP
 AY2CIC-HP
 AY2CIC-MP
 AY2CIC-LP
 AY4ITC-DW UP
 AY4ITC-DW HP
 AY4ITC-DW MP
 AY4ITC-DW LP
 AY4ITC-D UP
 AY4ITC-D HP
 AY4ITC-D MP
 AY4ITC-D LP

AY4ITC-W UP
 AY4ITC-W HP
 AY4ITC-W MP
 AY4ITC-W LP
 AY4ITC UP
 AY4ITC HP
 AY4ITC MP
 AY4ITC LP
 AY3ITC-DW UP
 AY3ITC-DW HP
 AY3ITC-DW MP
 AY3ITC-DW LP
 AY3ITC-D UP
 AY3ITC-D HP
 AY3ITC-D MP
 AY3ITC-D LP
 AY3ITC-W UP
 AY3ITC-W HP
 AY3ITC-W MP
 AY3ITC-W LP

AY3ITC UP
 AY3ITC HP
 AY3ITC MP
 AY3ITC LP
 AY2ITC-DW UP
 AY2ITC-DW HP
 AY2ITC-DW MP
 AY2ITC-DW LP
 AY2ITC-D UP
 AY2ITC-D HP
 AY2ITC-D MP
 AY2ITC-D LP
 AY2ITC-W UP
 AY2ITC-W HP
 AY2ITC-W MP
 AY2ITC-W LP
 AY2ITC UP
 AY2ITC HP
 AY2ITC MP
 AY2ITC LP

AY4ITE-DW UP
 AY4ITE-DW HP
 AY4ITE-DW MP
 AY4ITE-D UP
 AY4ITE-D HP
 AY4ITE-D MP
 AY4ITE-W UP
 AY4ITE-W HP
 AY4ITE-W MP
 AY4ITE UP
 AY4ITE HP
 AY4ITE MP
 AY3ITE-DW UP
 AY3ITE-DW HP
 AY3ITE-DW MP
 AY3ITE-D UP
 AY3ITE-D HP
 AY3ITE-D MP
 AY3ITE-W UP
 AY3ITE-W HP

- AY3ITE-W MP
- AY3ITE UP
- AY3ITE HP
- AY3ITE MP
- AY2ITE-DW UP
- AY2ITE-DW HP
- AY2ITE-DW MP
- AY2ITE-D UP
- AY2ITE-D HP
- AY2ITE-D MP
- AY2ITE-W UP
- AY2ITE-W HP
- AY2ITE-W MP
- AY2ITE UP
- AY2ITE HP
- AY2ITE MP

Left serial number:	
Right serial number:	
Instrument version:	<input type="checkbox"/> Invisible in Canal (IIC) <input type="checkbox"/> Completely In the Canal (CIC) <input type="checkbox"/> In The Canal (ITC) <input type="checkbox"/> In The Ear (ITE) <input type="checkbox"/> Microphone in Helix (MIH)
Battery size:	<input type="checkbox"/> 13 <input type="checkbox"/> 312 <input type="checkbox"/> 10A

SPECIFIC FEATURES SUPPORTED BY YOUR HEARING SYSTEM:

- | | | | |
|------------------------------------|--------------------------|---|--------------------------|
| Delayed on-activation 15 | <input type="checkbox"/> | AutoPhone 27 | <input type="checkbox"/> |
| Volume control 22 | <input type="checkbox"/> | Tinnitus Breaker Pro 35 | <input type="checkbox"/> |
| Programme button 23 | <input type="checkbox"/> | Telecoil/Tele-loop system 25 | <input type="checkbox"/> |
| Wireless 17, 25, 30 | <input type="checkbox"/> | Power device-exceeds 132 dB SPL | <input type="checkbox"/> |

Ask your hearing care professional to mark the options supported by your hearing system.

International warranty, service and repairs

Any digital hearing instrument from Beltone has an international warranty in the event of defects in workmanship or material, as described in applicable warranty documentation. In its service policy, Beltone pledges to secure functionality at least equivalent to the original hearing instrument.

Warranty and Repairs

Beltone provides a warranty on hearing instruments in the event of defects in workmanship or materials, as described in applicable warranty documentation. In its service policy, Beltone pledges to secure functionality at least equivalent to the original hearing instrument. As a signatory to the United Nations Global Compact initiative, Beltone is committed to doing this in line with environment-friendly best practices. Hearing instruments therefore, at Beltone's discretion, may be replaced by new products or products manufactured from new or serviceable used parts, or repaired using new or refurbished replacement parts. The warranty period of hearing instruments is designated on your warranty card, which is provided by your hearing care professional.

For hearing instruments that require service, please contact your hearing care professional for assistance. Beltone hearing instruments that malfunction must be repaired by a Beltone qualified technician. Do not attempt to open the case of hearing instruments, as this will invalidate the warranty.

The warranty period of hearing instruments is designated on your warranty card, which is provided by your hearing care professional.

Be aware of information marked with the warning symbol.



WARNING points out a situation that could lead to serious injuries,

CAUTION indicates a situation that could lead to minor and moderate injuries.



Equipment includes RF transmitter.



Advice and tips on how to handle your hearing instrument better.



Beltone Legend™ is compatible with iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone SE, iPhone 5s, iPhone 5c, iPhone 5, iPad Pro (10.5-inch), iPad Pro (12.9-inch), iPad Pro (9.7-inch), iPad Air 2, iPad Air, iPad mini 4, iPad mini 3, iPad mini 2, iPad mini, iPad (5th generation), iPad (4th generation), iPod touch (6th generation) and iPod touch (5th generation) using iOS 8.0 or later. Apple, the Apple logo, iPhone, iPad Pro, iPad Air, iPad mini, iPad and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.



“Made for iPhone” means that an electronic accessory has been designed to connect specifically to iPhone 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 iPhone may affect wireless performance.



Please ask your local hearing care professional concerning disposal of your hearing instrument



Any issues relating to the EU Medical Device Directive 93/42/EEC or EU Radio Equipment Directive 2014/53/EU should be directed to Beltone A/S

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



Worldwide headquarters

Beltone A/S
Lautrupbjerg 7
DK-2750 Ballerup
Denmark
Tel.: +45 45 75 11 11
beltone.com
CVR no. 55082715

