

sound XC R312 behind-the-ear (BTE) hearing aid guide

EXCITE by HANSATON



Thank you

Thank you for choosing these hearing aids.

Hansaton is a hearing solution company that believes people should feel really good about the entire hearing experience, start to finish.

Our ingenious products, technologies, services and programs offer a level of personalization you can't get anywhere else.

This user guide applies to the following models:

Year of introduction: 2019

sound XC 9-R312

sound XC 7-R312

sound XC 5-R312

sound XC 3-R312

Your hearing aids

Hearing care professional: _____

Telephone: _____

Model: _____

Serial number: _____

Battery size: 312

Warranty: _____

Program 1 is for: _____

Program 2 is for: _____

Program 3 is for: _____

Program 4 is for: _____

Date of purchase: _____

Quick reference

On/Off



On



Off



Open

Low battery warning



2 beeps every
30 minutes

Battery size



312

Multi-function button

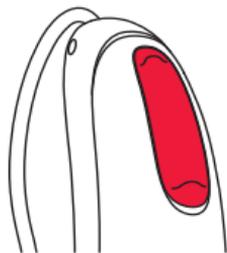


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Your hearing aids at a glance

- 1 Wire – connects the speaker unit to your hearing aids
- 2 Microphones – sound enters your hearing aids through the microphones
- 3 Multi-function button – switches between listening programs, changes the volume level, and accepts or rejects mobile phone calls depending on your customized fitting
- 4 Battery door (on & off) – close the door to turn on your hearing aids, partly open the door to turn off your hearing aids. Opening the door all the way gives you access to change the battery
- 5 Dome – holds the speaker unit in place in your ear canal
- 6 Retention piece – helps prevent the dome and speaker unit from moving out of the ear canal
- 7 Speaker unit – amplifies the sound and sends it directly into the ear canal
- 8 Custom mold – holds the hearing aids in place

sound XC R312 hearing aids



Warnings

- ⚠ The intended use of hearing aids is to amplify and transmit sound to the ears and hereby compensate for impaired hearing. The hearing aids (specially programmed for each hearing loss) must only be used by the intended person. They should not be used by any other person as they could damage hearing.
- ⚠ Hearing aids should only be used as directed by your physician or hearing care professional.
- ⚠ Hearing aids will not restore normal hearing and will not prevent or improve a hearing impairment resulting from organic conditions.
- ⚠ Do not use your hearing aids in explosion hazard areas.
- ⚠ Allergic reactions to hearing aids are unlikely. However, if you experience itching, redness, soreness, inflammation or a burning sensation in or around your ears, inform your hearing care professional and contact your physician.

- ⚠ In the unlikely case that any parts remain in the ear canals after the removal of the hearing aids, contact a physician immediately.
- ⚠ The following is only applicable for persons with active implantable medical devices (i.e. pacemakers, defibrillators, etc.):
 - Keep the wireless hearing aids at least 15 cm (6 inches) away from the active implant.
 - If you experience any interference, do not use the wireless hearing aids and contact the manufacturer of the active implant. Please note that interference can also be caused by power lines, electrostatic discharge, airport metal detectors etc.
- ⚠ Special medical or dental examination including radiation described below, may adversely affect the correct functioning of your hearing aids. Remove and keep them outside the examination room/area before undergoing:
 - Medical or dental examination with X-ray (also CT scan).
 - Medical examinations with MRI/NMRI scans, generating magnetic fields.

- Hearing aids don't need to be removed when passing security gates (airports etc.). If X-ray is used at all, it will be in very low doses, and will not affect the hearing aids.

⚠ Special care should be exercised in wearing hearing aids when maximum sound pressure levels exceed 132 decibels. There may be a risk of impairing your remaining hearing. Speak with your hearing care professional to ensure the maximum output of your hearing aids is suitable for your particular hearing loss.

⚠ Your hearing aids operate in the frequency range of 2.4 GHz–2.48 GHz. When flying please check if flight operator requires devices to be switched into flight mode.

Battery warning

⚠ Never leave hearing aids or batteries where small children and pets can reach them. Never put hearing aids or batteries in your mouth. If a hearing aid or battery is swallowed, call a physician immediately.

Note to hearing care professional

⚠ Domes should never be fitted on clients with perforated eardrums, exposed middle ear cavities, or surgically altered ear canals. In the case of such a condition, we recommend to use a customized earmold.

Precautions

- ① The use of hearing aids is only part of hearing rehabilitation; auditory training and lip reading instruction may be required as well.
- ① In most cases, infrequent use of hearing aids does not provide full benefit. Once you have become accustomed to your hearing aids, wear your hearing aids everyday all day.
- ① Your hearing aids use the most modern components to provide the best possible sound quality in every listening situation. However, communication devices such as digital mobile phones can create interference (a buzzing sound) in hearing aids. If you experience interference from a mobile phone being used close by, you can minimize this interference in a number of ways. Switch your hearing aids to another program, turn your head in a different direction or locate the mobile phone and move away from it.

- ① Protect hearing aids from heat (never leave near a window or in the car). Never use a microwave or other heating devices to dry your hearing aids (due to risk of fire or explosion). Ask your hearing care professional about suitable drying methods.
- ① The dome should be changed every three months or when it becomes stiff or brittle. This is to prevent the dome from detaching from the tube spout during insertion into or removal from the ear.
- ① Do not drop your hearing aids. Dropping onto a hard surface can damage your hearing aids.

Labeling

The serial number and year of manufacture are located under the colored hearing aid marking.

Mobile phone compatibility rating

Some hearing aid users have reported a buzzing sound in their hearing aids when they are using mobile phones, indicating that the mobile phone and hearing aids may not be compatible. According to the ANSI C63.19 standard (ANSI C63.19-2011 American National Standard Methods of Measurement of Compatibility Between Wireless Communications Devices and Hearing Aids), the compatibility of particular hearing aids and a mobile phone can be predicted by adding the rating for the hearing aid immunity to the rating for the mobile phone emissions. For example, the sum of the hearing aid rating of 4 (M₄) and a telephone rating of 3 (M₃) would result in a combined rating of 7. Any combined rating that equals at least 5 would provide “normal use”; a combined rating of 6 or greater would indicate “excellent performance.”

The immunity of these hearing aids is at least M₄. The equipment performance measurements, categories and system classifications are based upon the best information available but cannot guarantee that all users will be satisfied.

- ① The performance of the individual hearing aids may vary with individual mobile phones. Therefore, please try these hearing aids with your mobile phone or, if you are purchasing a new phone, please be sure to try it with your hearing aids prior to purchase. For additional guidance, please ask your hearing care professional for the booklet entitled “Hearing aid compatibility with digital wireless mobile phones.”

Tinnitus masker

Tinnitus masker uses broadband noise to provide temporary relief of tinnitus.

Tinnitus masker warnings

- ⚠ The tinnitus masker is a broadband sound generator. It provides a means of sound enrichment therapy that can be used as part of a personalized tinnitus management program to provide temporary relief from tinnitus.
- ⚠ The underlying principle of sound enrichment is to provide supplementary noise stimulation which can help defocus your attention from your tinnitus and avoid negative reactions. Sound enrichment, coupled with instructional counseling, is an established approach to managing tinnitus.
- ⚠ Air conduction hearing aids with the tinnitus masker are to be fitted by a hearing care professional familiar with the diagnosis and management of tinnitus.

- ⚠ Should you develop any side effects while using the tinnitus masker, such as headaches, nausea, dizziness or heart palpitations or experience a decrease in auditory function such as decreased loudness tolerance, worsening of tinnitus, or speech not as clear, you should discontinue use of the device and seek medical attention.
- ⚠ The volume of the tinnitus masker can be set to a level which could lead to permanent hearing damage when used for a prolonged period of time. Should the tinnitus masker be set to such a level in your hearing aids, your hearing care professional will advise you of the maximum amount of time per day you should use the tinnitus masker. The tinnitus masker should never be used at uncomfortable levels.

Important information

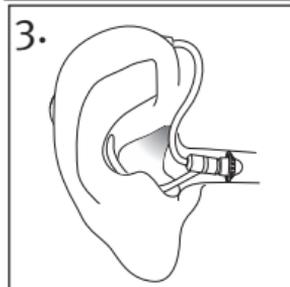
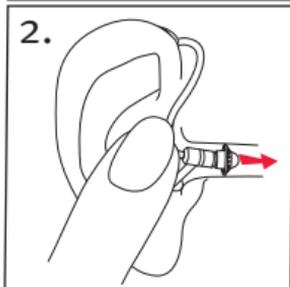
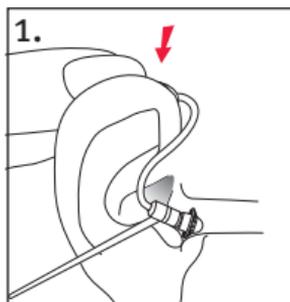
- ① The tinnitus masker generates sounds that are used as part of your personalized temporary tinnitus management program to provide relief from tinnitus. It should always be used as prescribed by a hearing care professional who is familiar with the diagnosis and treatment of tinnitus.
- ① Good health 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 medically treatable conditions, which may be causing tinnitus, are identified and treated prior to using a sound generator.
- ① The tinnitus masker is intended for adults 18 years of age or older who have both hearing loss and tinnitus.

Putting your hearing aids on your ears

Your hearing aids will be color-coded with a marking on the outside of the hearing aid:
red = right ear; blue = left ear.

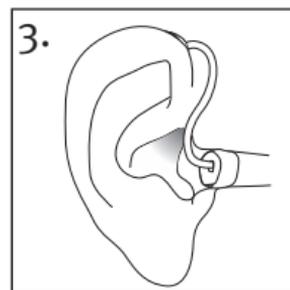
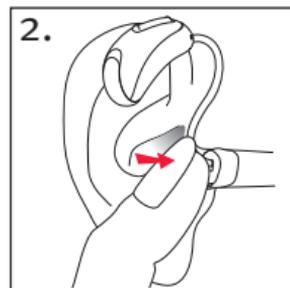
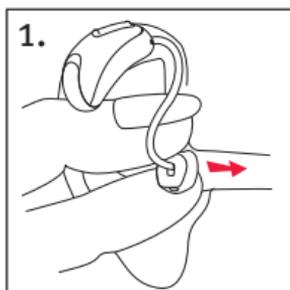
Hearing aids with domes

1. Place the hearing aid over the top of your ear.
2. Hold the wire where it attaches to the dome and gently push the dome into your ear canal. The wire should lie flush against your head and not stick out.
3. If there is a retention piece, place it in your ear so it rests at the bottom of the opening of your ear canal.



Hearing aids with custom molds

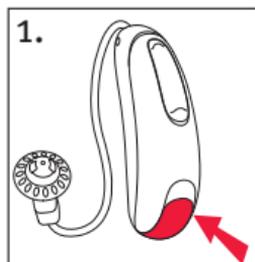
1. Hold the custom mold between your thumb and index finger. The opening should be pointing in towards your ear canal with the hearing aid resting above your ear.
2. Carefully insert the custom mold into your ear. The mold should fit into your ear snugly and comfortably.
3. Place the hearing aid over the top of your ear.



Turning your hearing aids on and off

The battery door acts as an on and off switch.

1. On: Close the battery door fully.
 - ① It may take five seconds before the hearing aids turn on. Your hearing care professional can increase the start up delay if required.
2. Off: Partially open the battery door
3. Open: Fully open the battery door to access and change the battery.
 - ① When turning your hearing aids on and off while they are on the ear, grasp the top and bottom of the device with your index finger and thumb. Use the index finger of your opposite hand to open and close the battery door.



Battery information

Low battery warning

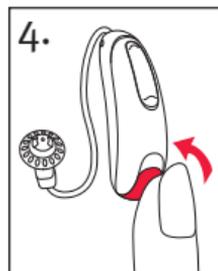
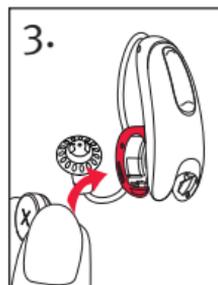
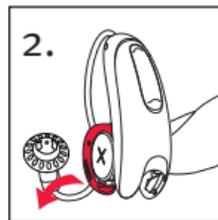
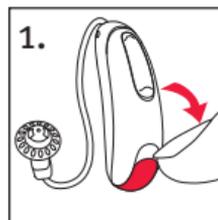
Two long beeps indicate the hearing aid battery is low. After the low battery warning, sounds may not be as clear. This is normal and can be fixed by changing the batteries.

If you can't hear the low battery warning, your hearing care professional can change its pitch or loudness. If you prefer, it can be turned off entirely.

- ① Your hearing aids are designed to generate a low battery warning every 30 minutes until you change the batteries, but depending on the condition of the batteries, they may die before another low battery warning occurs. Therefore, it is recommended that the batteries are replaced as soon as possible once you hear the low battery warning.

Replacing the battery

1. Gently swing out the battery door with your fingernail.
 2. Push the battery with your fingernail towards the open side, and remove.
 3. Insert the new battery into the battery compartment with the plus (+) sign on the battery facing the same way as the battery indicator on the battery door. This will ensure that the battery door closes properly.
- ⓘ If the battery is inserted incorrectly, the hearing aids will not turn on.
4. Close the battery door.



Caring for batteries

- Always discard batteries in a safe and environmentally friendly way.
- To prolong battery life, remember to turn your hearing aids off when not in use, especially when asleep.
- Remove the batteries and keep the battery door open while hearing aids are not being worn, especially when asleep. This will allow internal moisture to evaporate.

Operating instructions

Your hearing aids come with a multi-function button that allows you to further adjust them. You may also use the multi-function button to accept and reject calls to your paired mobile phone.

- ① These instructions describe the default multi-function button settings. Your hearing care professional may change the functionality of the buttons. See your hearing care professional for more information.

Multi-function button



The multi-function button on your hearing aids can be both a volume control and a program control.

Program control

Each time you push the upper part of the button on either hearing aid for longer than 2 seconds, you will move to the next hearing aid program. Your hearing aids beep to indicate which program you are in.

Program setting	Beeps	
Program 1 (e.g. automatic program)		1 beep
Program 2 (e.g. speech in noise)		2 beeps
Program 3 (e.g. Telephone)		3 beeps
Program 4 (e.g. music)		4 beeps

Please see the front of this booklet for a listing of your personalized programs.

□ Volume control

To adjust the volume of your environment:

- Push the upper part of the button on the hearing aid to increase the volume, and
- Push the lower part of the button on the hearing aid to decrease the volume

As you change the volume, your hearing aids will beep.

Volume setting	Beeps
Suggested volume level	 1 beep
Turning volume up	 short beep
Turning volume down	 short beep
Maximum volume level	 2 beeps
Minimum volume level	 2 beeps

Pairing your mobile phone with your hearing aids

1. On your phone, go to your settings menu to ensure **Bluetooth**[®] is on and to search for Bluetooth enabled devices.
2. Turn your hearing aids on by closing the battery door. Your hearing aids will remain in pairing mode for 3 minutes.



3. Your phone will show a list of found Bluetooth enabled devices. Select your hearing aid from the list to simultaneously pair both hearing aids. You will hear a melody when your phone has been successfully paired to your hearing aids.
- ① It is only necessary to perform the pairing procedure once with each Bluetooth enabled phone.
 - ① Consult your phone user guide for instructions on pairing a Bluetooth device with your phone.

Bluetooth[®] is a registered trademark owned by the Bluetooth SIG, Inc. and used under license by Hansaton.

Connecting to your mobile phone

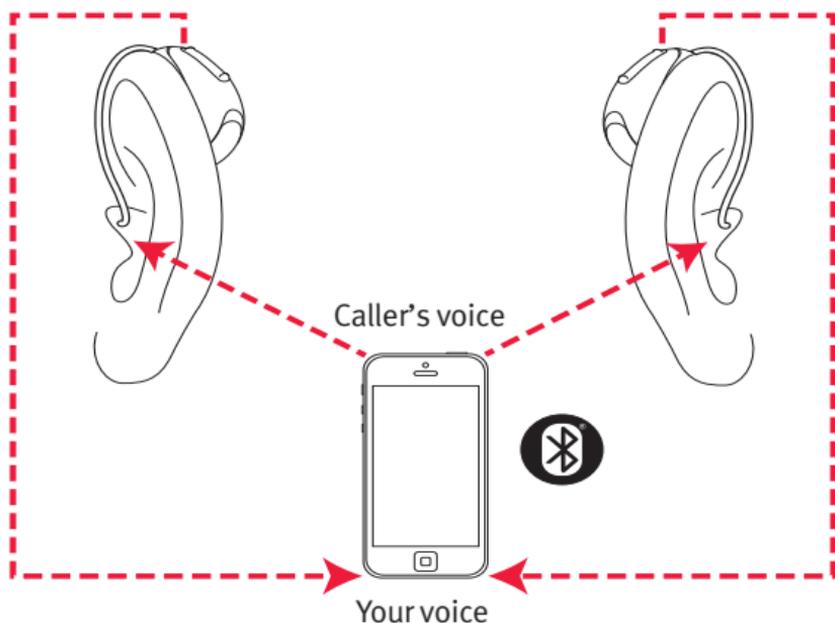
After your hearing aids have been paired to your phone, they will automatically connect again when your phone and hearing aids are turned on and in range. This can take up to 2 minutes.

- ① The connection will be maintained as long as the phone remains ON and within a range of up to 10 m (30 ft).
- ① To switch a call between your hearing aids and the speaker on your mobile phone, select the audio source you would like from your phone. If you are not sure how to do this, consult the instruction manual that came with your mobile phone.

Phone calls with a mobile phone

Your hearing aids allow direct communication with Bluetooth enabled phones. When paired and connected to a phone, you will hear the caller's voice directly in your hearing aids. Your hearing aids pick up your voice through their own microphones.

- i You do not need to hold your mobile phone close to your mouth, your voice is transmitted through the hearing aids to your mobile phone.



Using your mobile phone with your hearing aids

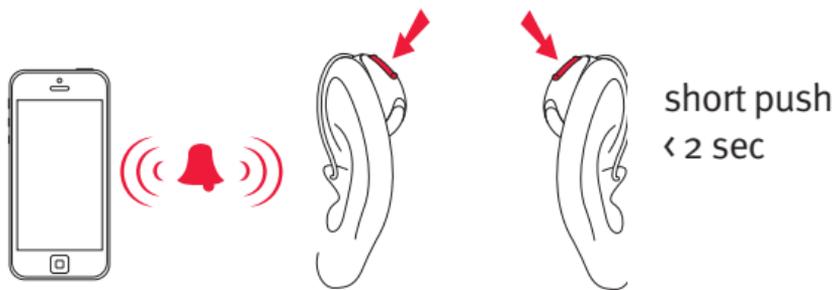
Making a phone call

Start a call on your paired mobile phone as you normally would. You will hear the audio through your hearing aids. Your hearing aids pick up your voice through their own microphones.

Accepting a mobile phone call

When receiving a call, an incoming call notification will be heard in the hearing aids.

The call can be accepted by a short push of less than 2 seconds on either the upper or lower part of the button on either hearing aid. Alternatively, accept the call on your phone as you normally would.

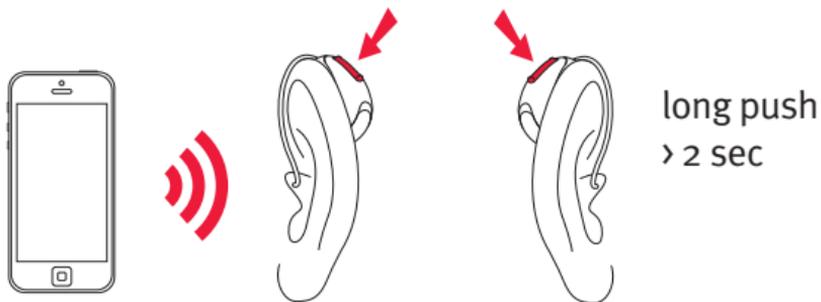


Ending a phone call

End a call by holding down the upper or lower part of the button on either hearing aid for more than 2 seconds. Alternatively, end the call on your phone as you normally would.

Rejecting a phone call

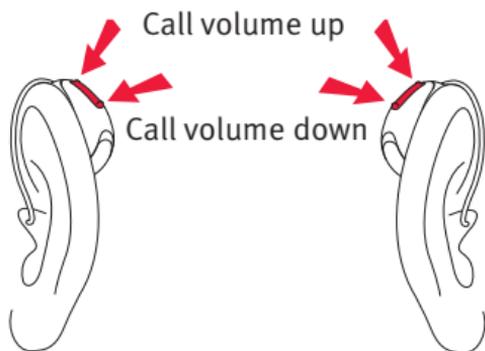
An incoming call can be rejected by holding down the upper or lower part of the button on either hearing aid for more than 2 seconds. Alternatively, reject the call on your phone as you normally would.



Adjusting volume balance between mobile phone calls and your environment

During a call using a paired mobile phone:

- Push the upper part of the hearing aid button to increase the call volume and decrease the volume of sounds in your environment
- Push the lower part of the hearing aid button to decrease the call volume and increase the volume of sounds in your environment

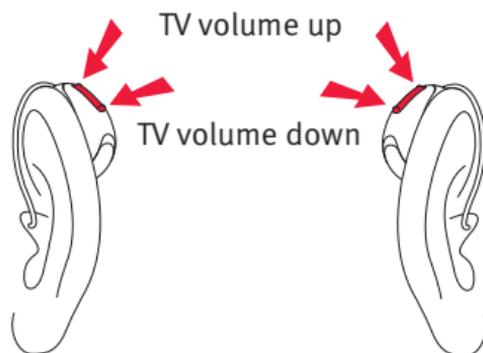


TV Connector

Adjusting volume balance between the TV and the sounds in your environment

While listening to TV sound through the TV Connector accessory:

- Push the upper part of the hearing aid button to increase the TV volume and decrease the volume of sounds in your environment
- Push the lower part of the hearing aid button to decrease the TV volume and increase the volume of sounds in your environment



Tinnitus masker

If your hearing care professional has configured a tinnitus masker program, you can adjust the tinnitus masker level while you are in the tinnitus masker program. To adjust the noise level:

- Push the upper part of the hearing aid button to increase the tinnitus masker, and
- Push the lower part of the hearing aid button to decrease the tinnitus masker

Remote Plus app:

- Tap the arrow to move to the second screen where you can adjust the tinnitus masker volume up or down

As you change the level, your hearing aids will beep.

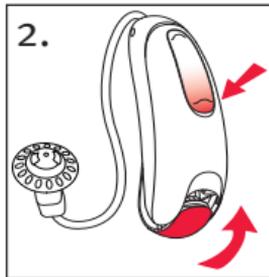
Flight mode

Your hearing aids operate in the frequency range of 2.4 GHz–2.48 GHz. When flying, some airlines require all devices to be switched into flight mode. Entering flight mode will not disable normal hearing aid functionality, only the Bluetooth connectivity functions.

Entering flight mode

To disable the Bluetooth wireless function and enter flight mode:

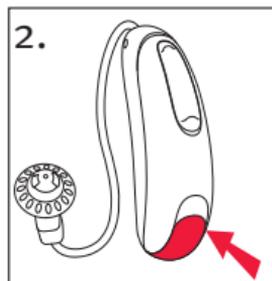
1. Open the battery door.
2. Hold down the lower push button on the hearing aid while closing the battery door, and keep the button pushed down for 7 seconds.



Exiting flight mode

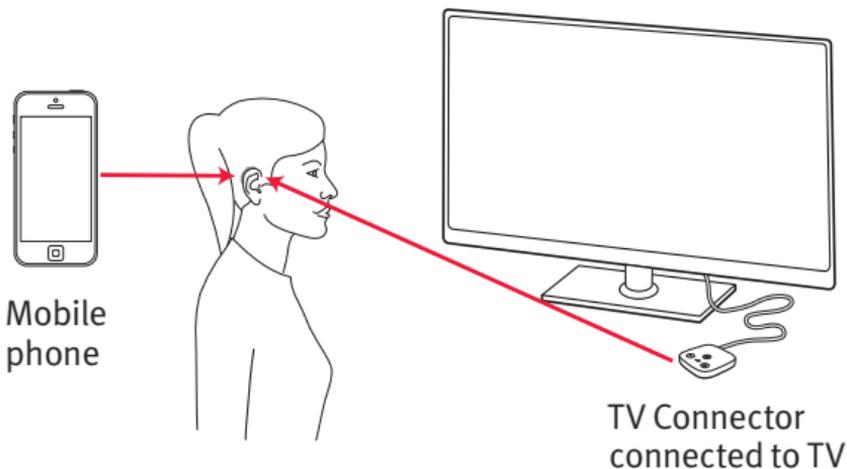
To enable the Bluetooth wireless function and to exit flight mode:

1. Open the battery door.
2. Close the battery door.



Connectivity overview

The illustration below shows the connectivity options available for your hearing aids.



The TV Connector can be connected to any audio source such as a TV, stereo system, computer and other audio sources.

Caring for your hearing aids

Protecting your hearing aids

- Open the battery doors when not in use.
- Always remove your hearing aids when using hair care products. The hearing aids can become clogged and cease to function properly.
- Do not wear your hearing aids in the bath or shower or immerse them in water.
- If your hearing aids do become wet, do not attempt to dry them in an oven or microwave. Do not adjust any controls. Open the battery doors immediately, remove the batteries and allow your hearing aids to dry naturally for 24 hours.
- Protect your hearing aids from excessive heat (hair dryer, vehicle glove box or dashboard).
- Ensure you do not twist or squeeze the wires when your hearing aids are placed in their case.

- Regular use of a dehumidifier, such as a Clean Dry kit, can help prevent corrosion and prolong the life of your hearing aids. Remove batteries before using a dehumidifier.
- Do not drop your hearing aids or knock them against hard surfaces.

Cleaning your hearing aids

Use a soft cloth to clean your hearing aids at the end of each day. Regular cleaning of the microphone ports with the supplied cleaning brush will ensure that your hearing aids will maintain their sound quality. Your hearing care professional can demonstrate this for you.

Place the hearing aids in the case overnight with the battery doors open to allow moisture to evaporate.

- ① Ear wax is natural and common. Ensuring your hearing aids are free of ear wax is an important step in your daily cleaning and maintenance routine.
- ① Never use alcohol to clean your hearing aids, earmolds or domes.
- ① Do not use sharp tools to dislodge ear wax. Sticking household items into your hearing aids or custom molds can seriously damage them.

Cleaning your custom molds and domes

Clean the domes and molds on the outside daily with a damp cloth.

Avoid getting any water in and around the speaker units and custom molds.



- ① The wires, speakers, domes or custom molds should never be rinsed or submerged in water as water drops may block sound or damage the electrical components of the hearing aids.

Domes should be replaced by your hearing care professional every 3-6 months or when they become stiff, brittle, or discolored.

If your molds require further cleaning, the speaker waxguard may be plugged and require replacing. See your hearing care professional.

Accessories

TV Connector

The TV Connector is an optional accessory that sends sound from your TV directly to your hearing aids. The TV Connector can also transmit sound from stereo systems, computers and other audio sources.

Please see the user guide that came with your TV Connector for more information. Please contact your hearing care professional to get a TV Connector.

Troubleshooting guide

Cause	Possible remedy
Issue: no sound	
Not turned on	Turn on
Low/dead battery	Replace battery
Poor battery contact	Consult your hearing care professional
Battery upside down	Insert battery according to battery symbol inside battery door
Custom molds/domes blocked with ear wax	Clean custom molds/domes. See “Cleaning your hearing aids.” Consult your hearing care professional
Plugged microphones	Consult your hearing care professional

Cause	Possible remedy
Issue: not loud enough	
Low volume	Turn up volume; see hearing care professional if problem persists
Low battery	Replace battery
Custom molds/domes not inserted properly	See “Putting your hearing aids on your ears.” Remove and reinsert carefully
Change in hearing	Consult your hearing care professional
Custom molds/domes blocked with ear wax	Clean custom molds/domes. See “Cleaning your hearing aids.” Consult your hearing care professional
Plugged microphones	Consult your hearing care professional

Cause	Possible remedy
Issue: intermittent sound	
Low battery	Replace battery
Dirty battery contact	Consult your hearing care professional
Issue: two long beeps	
Low battery	Replace battery
Issue: whistling	
Custom molds/domes not inserted properly	See “Putting your hearing aids on your ears.” Remove and reinsert carefully
Hand/clothing near ear	Move hand/clothing away from ear
Poorly fitting custom molds/domes	Consult your hearing care professional

Cause

Possible remedy

Issue: not clear, distorted

Poorly fitting custom molds/domes

Consult your hearing care professional

Custom molds/domes blocked with ear wax

Clean custom molds/domes. See “Cleaning your hearing aids.” Consult your hearing care professional

Low battery

Replace battery

Plugged microphones

Consult your hearing care professional

Issue: custom molds/domes falling out of ear

Poorly fitting custom molds/domes

Consult your hearing care professional

Custom molds/domes not inserted properly

See “Putting your hearing aids on your ears.” Remove and reinsert carefully

Issue: low volume on landline telephone

Telephone not positioned properly

Move telephone receiver around ear for clearer signal

Hearing aids require adjustment

Consult your hearing care professional

Cause	Possible remedy
Issue: mobile phone calls not being heard through hearing aids	
Hearing aids are in flight mode	Exit flight mode: open battery door, then close battery door
Hearing aids are not paired to the phone	Pair your hearing aids to your mobile phone (again)

For any problems not listed in the guide, contact your hearing care professional.

Warning to hearing aid dispensers (to comply with the U.S. Food and Drug Administration (FDA) regulations)

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. Special care should be exercised in selecting and fitting a hearing aid whose maximum sound pressure level exceeds 132 decibels because there may be risk of impairing the remaining hearing of the hearing aid user. [This provision is required only for those hearing aids with a maximum sound pressure capability greater than 132 decibels (dB).]

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 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 program. Many hearing aid dispensers 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 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

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.

Information and explanation of symbols



With the CE symbol, Hansaton confirms that this Hansaton product – including accessories – meets the requirements of the Medical Devices Directive 93/42/EEC as well as the Radio Equipment Directive 2014/53/EU on radio and telecommunications transmitters.

The numbers after the CE symbol correspond to the code of certified institutions that were consulted under the above-mentioned directives.



This symbol indicates that it is important for the user to read and take into account the relevant information in this user guide.



This symbol indicates that it is important for the user to pay attention to the relevant warning notices in this user guide.



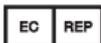
Important information for handling and effective use of the product.



This symbol indicates that the products described in these user instructions adhere to the requirements for an application part of Type B of EN 60601-1. The surface of the hearing aid is specified as applied part of Type B.



Copyright symbol



This symbol shall be accompanied by the name and the address of the authorised representative in the European Community.



This symbol shall be accompanied by the name and the address of the manufacturer (who are placing this device on the market).

Operating conditions:

This device is designed such that it functions without problems or restrictions if used as intended, unless otherwise noted in these user guides.

Transport conditions:

Temperature:

Lower Limit = -20°C (-4°F), Upper Limit = $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$)

Humidity: Lower Limit = 0%, Upper Limit = 75%

Pressure: Lower Limit = 20kPA, Upper Limit = 150kPA



The symbol with the crossed-out garbage bin is to make you aware that this device may not be thrown away as normal household waste. Please dispose of old or unused devices, at waste disposal sites intended for electronic waste, or give your device to your hearing care professional for disposal. Proper disposal protects the environment and health.

 **Bluetooth** The Bluetooth[®] word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Hansaton is under license. Other trademarks and trade names are those of their respective owners.

Compliance information

Declaration of conformity

Hereby, Hansaton declares that this product meets the requirements of the Medical Device Directive 93/42/EEC and complies with Radio Equipment Directive 2014/53/EU. The full text of the Declarations of Conformity can be obtained from the manufacturer.

Australia/New Zealand:



Indicates a device's compliance with applicable Radio Spectrum Management's (RSM) and Australian Communications and Media Authority (ACMA) regulatory arrangements for the legal sale in New Zealand and Australia. The compliance label R-NZ is for radio products supplied in the New Zealand market under conformity level A1.

R-NZ

The hearing aid described in this user guide is certified under:
Standard hearing system

	USA – FCC ID:	Canada – IC:
sound XC R312	KWC-LDZ	2262A-LDZ

Notice 1

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. 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 undesirable operation.

Notice 2

Changes or modifications made to this device not expressly approved by Hansaton may void the FCC authorization to operate this device.

Notice 3

This device 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 ICES-003 of Industry Canada. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device 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 device 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 device into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Radio information of your wireless hearing aid

Antenna type	Resonant loop antenna
Operation frequency	2.402 – 2.480 GHz
Modulation	GFSK, Pi/4 DPSK
Radiated power	<1mW (EIRP)

Bluetooth®

Range	~ 1m (class 3)
Bluetooth	Version 4.2
Profiles supported	HFP (Hands-free profile), A2DP

Compliance with emission and immunity standards

Emission standards	EN 60601-1-2:2015
	IEC 60601-1-2:2014
	EN 55011:2009+A1
	CISPR11:2009/AMD1:2010
	CISPR22:1997
	CISPR32:2012
	ISO 7637-2:2011
	CISPR25:2016
	EN 55025:2017

Immunity standards	EN 60601-1-2:2015
	IEC 60601-1-2:2014
	EN 61000-4-2:2009
	IEC 61000-4-2:2008
	EN 61000-4-3:2006+A1+A2
	IEC 61000-4-3:2006+A1+A2
	EN 61000-4-4:2012
	IEC 61000-4-4:2012
	EN 61000-4-5:2014
	IEC 61000-4-5:2014
	EN 61000-4-6:2014
	IEC 61000-4-6:2013
	EN 61000-4-8:2010
	IEC 61000-4-8:2009
	EN 61000-4-11:2004
	IEC 61000-4-11:2004
	IEC 60601-1 (§ 4.10.2):2005
	ISO 7637-2:2011

Your feedback

Record your specific needs or concerns and bring to your first office visit after getting your hearing aids.

This will help your hearing care professional to address your needs.



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Distributor

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