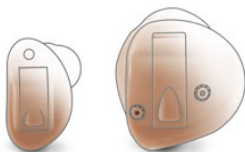


Instructions for Use

IN-THE-EAR HEARING AIDS

Juna, Carista, Acriva,
Chronos, Inizia



bernafon[®]

Your hearing • Our passion

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Congratulations on the purchase of your new Bernafon hearing aid. Your hearing care professional has adjusted your hearing aid to meet your needs. With a little practice, you will soon be on your way to better hearing.



Please read the entire contents of this booklet before using your hearing aid. It contains instructions on how to use and how to handle your hearing aid and batteries. It also contains important safety information.

Indications for Use

The hearing aid is intended to amplify sound to compensate for the loss of hearing.

It compensates for mild to severe hearing loss as defined by the American Speech-Language-Hearing Association (ASHA).

Model Overview

The following Bernafon hearing aid models are covered within these instructions for use:

Juna 9|7

- ☐ JU9 ITEPD/ITED, with wireless functionality
- ☐ JU9 ITCPD/ITCD, with wireless functionality
- ☐ JU9 ITC
- ☐ JU9 CICP/CICx, with wireless functionality
- ☐ JU9 CIC
- ☐ JU9 IIC
- ☐ JU7 ITEPD/ITED, with wireless functionality
- ☐ JU7 ITCPD/ITCD, with wireless functionality
- ☐ JU7 ITC
- ☐ JU7 CICP/CICx, with wireless functionality
- ☐ JU7 CIC

Acriva 9|7

- ☐ AR9 ITED, with wireless functionality
- ☐ AR9 ITCPD/ITCD, with wireless functionality
- ☐ AR9 ITC
- ☐ AR9 CICP/CIC
- ☐ AR9 IIC
- ☐ AR7 ITED, with wireless functionality
- ☐ AR7 ITCPD/ITCD, with wireless functionality
- ☐ AR7 ITC
- ☐ AR7 CICP/CIC

Chronos 9|7|5

- ☐ CN9 ITED
- ☐ CN9 ITCPD
- ☐ CN9 ITCD, with wireless functionality
- ☐ CN9 ITCP
- ☐ CN9 CICIP
- ☐ CN9 CIC
- ☐ CN7 ITED
- ☐ CN7 ITCPD
- ☐ CN7 ITCD, with wireless functionality
- ☐ CN7 ITCP
- ☐ CN7 CICIP
- ☐ CN7 CIC
- ☐ CN5 ITED
- ☐ CN5 ITCPD
- ☐ CN5 ITCD, with wireless functionality
- ☐ CN5 ITCP
- ☐ CN5 CICIP
- ☐ CN5 CIC

Carista 5|3

- ☐ CA5 ITED, with wireless functionality
- ☐ CA5 ITCPD/ITCD, with wireless functionality
- ☐ CA5 ITC
- ☐ CA5 CICIP/CIC
- ☐ CA3 ITED, with wireless functionality
- ☐ CA3 ITCPD/ITCD, with wireless functionality
- ☐ CA3 ITC
- ☐ CA3 CICIP/CIC

Inizia 3|1

- ☐ IN3 ITED
- ☐ IN3 ITCP
- ☐ IN3 CICP
- ☐ IN3 ITCD
- ☐ IN3 ITC
- ☐ IN3 CIC
- ☐ IN1 ITCD
- ☐ IN1 ITC
- ☐ IN1 CIC

General Warnings and Safety Information

Hearing aids and batteries can be dangerous if swallowed or improperly used. Improper use can result in severe injury, permanent hearing loss, or even fatality. Before you use your hearing aid, please read the following hazard warnings.

Hazard Warnings

Warnings for Hearing Aid Users

- ⚠ Never allow others to wear your hearing aid. It could permanently damage another person's hearing.
- ⚠ Avoid wearing your hearing aid while playing contact sports (e.g., rugby, football, etc.). A slap to your ear while wearing a hearing aid could be harmful.
- ⚠ Keep your hearing aid, parts, and batteries out of the reach of infants, children, and anyone who might swallow these items
- ⚠ Discard batteries safely. Keep discarded batteries out of sight of infants, small children, vulnerable persons, and pets.

- ⚠ Clean your hearing aid (including parts) on a regular basis, as recommended by your hearing care professional. Microorganisms from an unclean hearing aid may cause skin irritations.
- ⚠ Be careful of leaking battery liquid. Battery liquid is a hazardous substance.
- ⚠ Never try to recharge non-rechargeable batteries
- ⚠ Never change the battery, or adjust the controls of the hearing aid, in front of infants, small children, and vulnerable persons
- ⚠ Be aware of the possibility that your hearing aid may stop working without notice. Keep this in mind when you depend on warning sounds (e.g., when you are in traffic).
- ⚠ Never put your hearing instrument or batteries in your mouth, they could easily be swallowed.
- ⚠ Keep batteries away from medications. Batteries are easily mistaken for pills.
- ⚠ If a battery or hearing instrument is swallowed, see a doctor immediately.

- ⚠ Be aware of the possibility that the directional microphone in your hearing aid may reduce the volume of some warning sounds coming from behind you
- ⚠ Remove your hearing aid before applying aftershave, hairspray, oils, perfume, mosquito repellent, lotions, etc. If your hearing aid is exposed to such a product, allow the product to dry before you put your hearing aid on.

Warnings to Hearing Care Professionals and Users

- ⚠ Take special care when fitting and using a hearing aid with maximum sound pressure capability in excess of a maximum of 132 dB SPL (IEC 60318-4). In this case, there may be a risk of damaging the hearing aid user's hearing.

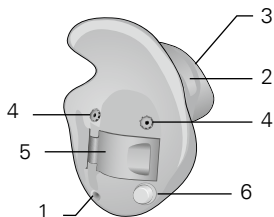
Safety Information

- Only use hearing aids as directed
- Hearing aids should be adjusted by a trained hearing care professional
- Misuse or improper adjustments can result in sudden and permanent hearing loss
- Hearing aids will not restore normal hearing or prevent hearing loss resulting from organic conditions
- Be aware that hearing aid use may cause excess ear wax to build up in the ear canal
- Excess ear wax may require removal by a trained medical professional
- See a doctor immediately if your hearing aid or earmold causes a discharge from the ear or allergic reaction
- See your hearing care professional if you experience discomfort or irritation of your ear

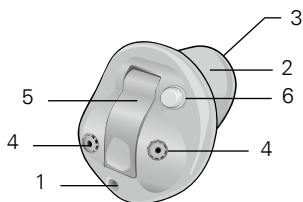
- Never insert cleaning tools into the sound outlet or microphone inlet. This could damage the hearing aid.
- Do not expose your hearing aid to extreme heat by leaving it in the car, near a radiator, etc.
- Do not wear your hearing aid while swimming, snorkeling, or diving. Your hearing aid is not designed for such activities.
- Do not immerse your hearing aid in water or other liquids
- Remove your hearing aid before sleeping
- Keep your hearing aid in the case for protection when you are not wearing it
- Never attempt to dry your instruments with a hair dryer, microwave oven, etc.

Hearing Aid Description

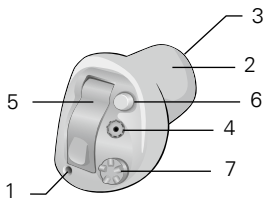
ITEPD, ITED, ITCPD, ITCD, ITCP, and ITC Models



ITEPD/ITED



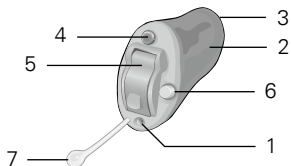
ITCPD/ITCD



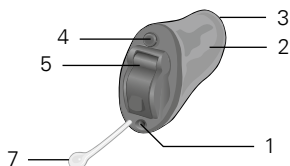
ITCP/ITC

- 1 Vent
- 2 Canal
- 3 Sound outlet with wax protection
- 4 Microphone opening with O-cap filter
- 5 Battery door
- 6 Push button (optional)
- 7 Volume control (optional)

CICP, CICx, CIC and IIC Models



CICP/CICx/CIC



IIC

- 1 Vent
- 2 Canal
- 3 Sound outlet with wax protection

- 4 Microphone opening with T-cap filter
- 5 Battery door
- 6 Push button (optional)*
- 7 Removal (pull-out) string

*For Juna CICP and CICx the push button can be programmed for volume control use

Battery Size

Your hearing aid uses the following battery size:

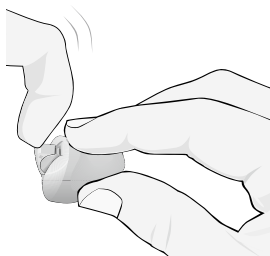
- ITEPD, ITED: size 13
- ITCPD, ITCD, ITCP, ITC: size 312
- CICP, CICx, CIC, IIC: size 10

i Your product may look slightly different compared to the illustrations above.

Step-by-Step Instructions for Using Your Hearing Aid

Step 1: Inserting the Battery

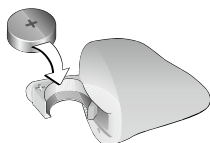
- Gently swing the battery door fully open, but do not force it (A)
- Remove the sticker from the new battery (B)
- Place the battery into the empty compartment. The + sign on the battery should face up. (C)



A



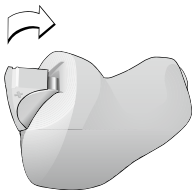
B



C

Step 2: Turning the Hearing Aid ON

Close the battery door completely. You should notice a click. The hearing aid is now ON.



Click "ON"

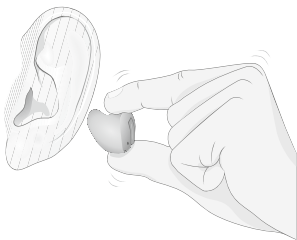
i Never use excessive force to open or close the battery door.

Step 3: Inserting Your Hearing Aid

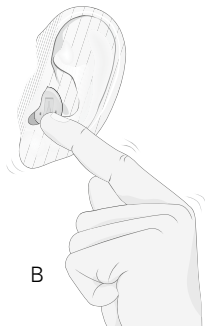
Your hearing aid has been programmed individually for your right or left ear.

You will see a color marking on your hearing aid. This can help you distinguish between the left (blue) and right (red) hearing aids.

- When inserting the right hearing aid, hold it with the right hand. When inserting the left hearing aid, hold it with the left hand.
- Hold your hearing aid between your thumb and index finger with the microphone on top. If your hearing aid has a pull-out string, this must be on the bottom. (A)
- Place the canal part of your hearing aid into your ear canal (B)



A



B

- Gently pull your earlobe down with the other hand while pushing the hearing aid in until it feels secure and comfortable

i It takes patience and practice to insert your earmold correctly. If you have difficulty, please consult your hearing care professional.

Step 4: Changing the Volume

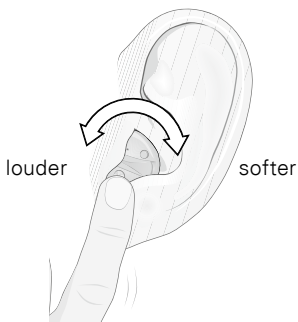
Your hearing aid automatically adjusts the volume to the changing sound environment.

Some models allow you to adjust the volume yourself with an optional control on the hearing aid. Please ask your hearing care professional if this function has been made available on your hearing aid.

Step 4a: Changing the Volume with the Optional Volume Control Wheel

To increase the volume, turn the volume control towards the front.

To decrease the volume, turn the volume control towards the back.



The hearing aid will click to confirm that the volume has been changed and then will beep when you reach the programmed maximum or minimum. You may hear a beep, when you return to the preset loudness level in your hearing aid.

Step 4b: Changing the Volume with the Optional Push Button

If your hearing aid has been made with a push button, your hearing care professional may be able to program it to change volume.

The hearing aid will click to confirm that the volume has been changed and then will beep when you reach the programmed maximum or minimum. You may hear a beep, when you return to the preset loudness level in your hearing aid.

Please ask your hearing care professional how this has been configured for your hearing aid.

Step 5: Changing the Programs

If your hearing aid has been made with a push button, your hearing care professional can program it to change programs.

The hearing aid will beep to confirm the program change. The number of beeps you hear will tell you which program you are in.

Please ask your hearing care professional how this has been configured for your hearing aid.

Up to 4 listening programs can be configured by your hearing care professional depending on your hearing aid. Please ask your hearing care professional about the programs that are available with your hearing aid.

i Your hearing aid automatically returns to a preset loudness level when it starts, when the battery is low, or when the program is changed. If you find that the volume is not adequate, your hearing care professional may need to adjust your hearing aid settings.

Step 6: Muting Your Hearing Aid

If your hearing aid has been made with a push button, your hearing care professional may be able to program it to mute your hearing aid. Please ask your hearing care professional if this function is available with your hearing aid.

A long press (about 2 seconds) on the button will cause your hearing aid to mute.

To un-mute the hearing aid, give any control on the hearing aid a push.

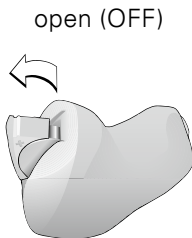
Step 7: Removing Your Hearing Aid

- Use your thumb to push up against the bottom (back part) of your ear to loosen the hearing aid
- Grasp the hearing aid at its edge between your thumb and forefinger. Gently remove it from your ear.
- If your hearing aid has a removal (pull-out) string, pull it gently

i Do not use the mute function to turn off the hearing aid. In this mode, the hearing aid is still drawing current from the battery.

Step 8: Turning the Hearing Aid OFF

Place your fingernail underneath the front edge of the battery door and lift to open. The hearing aid is now OFF.



Step 9: Changing the Battery

When the battery is running out, the hearing aid will beep at regular intervals. You should be prepared to replace the battery. The time until the hearing aid stops working depends on the battery type and manufacturer. Mercury-free batteries generally cause earlier warning beeps.

Features of Your Hearing Aid

The following features may be activated in your hearing aid. Please consult your hearing care professional to find out how your hearing aid is configured.

- ☐ **Telecoil** helps you hear better when using a telephone or in buildings where inductive loop systems are installed.



This symbol or a similar sign should be displayed wherever a permanent loop has been installed.

- ☐ **Auto Telephone** can be **automatically** activated eliminating the need to access a dedicated phone program with the push button.
- ☐ **Telephone Program** allows you to answer the phone on both ears or on your preferred ear when you are wearing two hearing aids. If you have a preferred ear, the hearing aid on the opposite side can be programmed to sound softer or to mute when the Telephone Program is active.

Caring for Your Hearing Aid

Healthy ears produce a waxy substance that can clog your hearing aid. Please follow these cleaning instructions to prevent wax build-up and ensure optimal performance of your hearing aid.

For further information on the care of your hearing aid, please consult your hearing care professional or watch our instructional videos, available on our website www.bernafon.com in the section "Our Products".

General Care Instructions

Treat your hearing aid like any other delicate electronic device (check the safety guidelines on page 9) and make sure that the hearing aid does not come in contact with moisture or water. Always clean and dry your hands thoroughly before handling the hearing aid.

Daily Care Instructions

- Check your hearing aid for ear wax and wipe it clean with a cloth or tissue
- If necessary, use the cleaning tool to remove wax from the canal and vent openings on your hearing aid
- Open the battery door fully to allow air to circulate during the night
- A dry storage kit is recommended to remove any moisture that may have accumulated in the hearing aid. Always remove zinc-air batteries before drying your hearing aid with a drying kit. Drying out zinc-air batteries shortens their lifetime.

Specific Care Instructions

A: Cleaning the Sound Outlet

The sound outlet is an integral part of your hearing aid and should be kept clean and free from earwax at all times.

Your hearing aid is built with a wax protection system. Please ask your hearing care professional for the instructions on how to exchange the wax protection filter on your hearing aid.

B: Microphone Protection System

The microphone is an integral part of your hearing aid and should be kept clean and free from cerumen (earwax) at all times.

Your hearing aid may have a built-in wax protection system for the microphone. Please ask your hearing care professional for the instructions on how to exchange the microphone protection filter on your hearing aid.

Common Problems and Solutions

Hearing aid whistles or squeals

Check that the earpiece is inserted correctly. If this is the case and the hearing aid still whistles or squeals, please consult your hearing care professional.

No volume, level too soft or humming noise

Check if the volume level is too soft and adjust by increasing the volume level with the control on your hearing aid. If you have no volume at all, check whether the hearing aid is in mute position. If the problem still occurs, check that the battery door is closed completely. Also check if the battery is inserted correctly. If the problem still remains, change the battery. If the problem still persists, contact your hearing care professional.

Whirring noise, fading, weak or motor-boating sounds

Open and close the battery door several times or clean the battery contacts carefully with a dry cotton swab. If the problem still occurs, change the battery. If the problem still remains, contact your hearing care professional.

Hearing aid switches from ON to OFF periodically

Your battery is running down. Please change the battery.

Hearing aid beeps without any action from you

Your battery is running down. Please change the battery.

Other problems with your hearing aid

If other problems occur with your hearing aid which are not listed, contact your hearing care professional.

Accessories

Bernafon offers a wide range of optional accessories that may be purchased to enhance your hearing aid. Depending on the hearing aid family and local regulations, the following accessories are available:

- ☐ Remote control
- ☐ SoundGate communication device (for wireless connection to mobile phones, music players, etc.)
- ☐ SoundGate Mic (to improve speech understanding of a chosen speaker's voice in challenging listening environments)
- ☐ TV Adapter (for wireless connection to your television via the SoundGate)
- ☐ Phone Adapter (for wireless connection to your landline phone via the SoundGate)
- ☐ Cleaning and drying kit

For further information on accessories, please contact your hearing care professional.

Product Approval, Markings and Compliance

All Bernafon hearing aid models covered by these instructions for use comply with international standards concerning electromagnetic compatibility. Due to the limited size available on the hearing aid, all relevant approval markings are found in this document.

Electromagnetic Interference

Your hearing aid has been thoroughly tested for electromagnetic interference. However, some products may emit electromagnetic energy causing unforeseen interference with hearing aids. Examples include induction cooking appliances, shop alarm systems, mobile phones, fax machines, personal computers, X-rays, CT scans, etc.

Even though your hearing aid is designed to comply with the most stringent international standards of electromagnetic compatibility, it may emit electromagnetic energy that can cause interference with other devices.

Your hearing aid contains a radio transmitter using short range magnetic induction technology working at 3.84 MHz.

The magnetic field strength of the transmitter is $< -42 \text{ dB}\mu\text{A/m @ 10 m}$.

The electromagnetic emission from the radio system is well below international limits for human exposure. By comparison, the electromagnetic energy of the hearing aid is lower than that generated by household items such as halogen lamps, computer monitors, dishwashers etc.

Cell Phone and Hearing Instrument Compatibility

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

The compatibility of a particular hearing aid and cell phone can be predicted by adding the rating for the hearing aid immunity to the rating for the cell phone emissions (ANSI C63.19-2006 American National Standard Methods of Measurement of Compatibility between Wireless Communication Devices and Hearing Aids).

For example, the sum of a hearing aid with a rating of 2 (M2/T2) and a telephone with a rating of 3 (M3/T3) would result in a combined rating of 5. According to the standard, 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 all Bernafon hearing instrument models covered by these instructions for use is at least M2/T2. The equipment performance measurements, categories and system classifications are based upon the best information available but Bernafon cannot guarantee that all users will be satisfied.

Compliance with Requirements for Europe

All devices covered in these instructions for use are in conformance with the requirements of the Directive 93/42/EEC of the Council of the European Communities concerning medical devices, MDD. This is certified by applying the following marking:



All devices with wireless functionality (Juna, Acriva, Carista, and Chronos, see also pages 6–8) also comply with the essential requirements of the Directive 1999/5/EC of the European Parliament on radio equipment and telecommunications terminal equipment, R&TTE. It operates as an inductive application in a harmonized frequency band according to the Commission Decision 2008/432/EC and may be used in all member states of the EU and EFTA. This is certified by applying the following marking:



Declaration of conformity is available at:
Bernafon AG
Morgenstrasse 131
3018 Bern
Switzerland

Compliance with Radio Communications Requirements for the USA and Canada

Bernaфон AG

Juna hearing aid models: JU9 ITEPD, JU9 ITED, JU9 ITCPD, JU9 ITCD, JU7 ITEPD, JU7 ITED, JU7 ITCPD, JU7 ITCD; Acriva hearing aid models: AR9 ITED, AR9 ITCPD, AR9 ITCD, AR7 ITED, AR7 ITCPD, AR7 ITCD, Carista hearing aid models: CA5 ITED, CA5 ITCPD, CA5 ITCD, CA3 ITED, CA3 ITCPD, CA3 ITCD

FCC ID U6XF2ITE01

IC: 7031A-F2ITE01

Juna hearing aid models: JU9 CICIP, JU9 CICx, JU7 CICIP, JU7 CICx

FCC ID U6XF2CIC01

IC: 7031A-F2CIC01

Chronos hearing aid models: CN9 ITCD, CN7 ITCD, CN5 ITCD

FCC ID U6XFUITE01

IC: 7031A-FUITE01

Statement of compliance:

This device complies with part 15 of the FCC Rules and 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 undesired operation.

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

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

International Warranty

Your hearing aid has a limited warranty, covering defects in materials and workmanship.

This warranty covers the hearing aid itself, but not accessories such as batteries, tubing, earmolds, etc. This warranty is void if a defect is the result of misuse or mistreatment.

The warranty is also void if the hearing aid has been repaired by nonauthorized service personnel.

Please review the warranty with your hearing care professional.

i Changes or modifications not expressly approved by Bernafon AG could void the user's authority to operate the equipment.

Date:

Model:

Warranty period:

Model L:

Model R:

Serial no.:

Serial no.:

Battery size:

Battery size:

Hearing Centre

Notes

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Information and Explanation of Symbols



The CE conformity marking indicates conformance to all applicable European Directives



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



This symbol indicates that it is important for the user to read and take into account the relevant information in these instructions for use



This sign indicates important safety information that must be observed to minimize risks or to avoid hazardous situations



Important information for handling and product safety



The crossed-out wheeled bin indicates that the European Directive 2002/96/EC on waste of electronic equipment applies.

Please recycle your hearing aid and batteries according to your local regulations or return them to your hearing care professional for disposal.

OPERATING CONDITIONS

The product is designed such that it functions without problem or restrictions if used as intended, unless otherwise noted in these instructions for use

TRANSPORT AND STORAGE CONDITIONS

During transport or storage, the temperature should not exceed the limit value of $-25^{\circ}/60^{\circ}$ Celsius ($-13^{\circ}/140^{\circ}$ Fahrenheit)

Service

If none of the actions listed on the previous pages solve the problem, contact your hearing care professional.

Do not attempt to repair your hearing aid yourself.

Place stamp with dispenser name and address here:

Technical Data

IN-THE-EAR HEARING AIDS

Juna, Carista, Acriva,
Chronos, Inizia



ITEPD

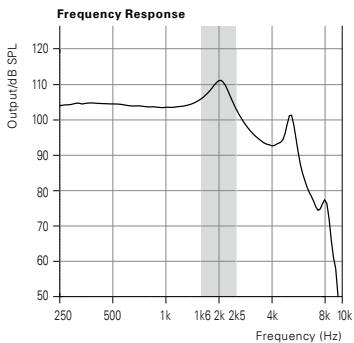
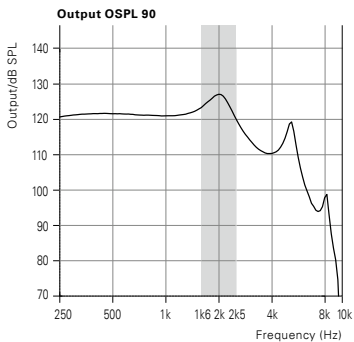
	2CC COUPLER ¹⁾
	JU 9 7
OSPL 90, HFA (dB SPL)	121
Full-on Gain, HFA (dB)	56
Reference Test Gain (dB)	44
Frequency Range (Hz)	100–6100
Distortion 500/800/1600 Hz (%)	<2/<2/<2
Equivalent Input Noise, dB(A)	20
Operating Current (mA)	1.3
Telecoil HFA SPLITS (dB SPL)	101

Additional Information

¹⁾Technical data measured with expansion, corresponding to the test box measurement settings.

“2cc” refers to a coupler according to IEC 60318-5. Applied standard: ANSI S3.22:2009.

2CC COUPLER



— JU 9|7

ITED

	2CC COUPLER ¹⁾					
	JU 9 7	AR 9 7	CN 9 7	CN 5	CA 5 3	IN 3
OSPL 90, HFA (dB SPL)	115	114	121	121	115	121
Full-on Gain, HFA (dB)	46	45	54	54	45	54
Reference Test Gain (dB)	38	32	44	44	33	44
Frequency Range (Hz)	100– 7900	100– 8200	100– 6500	100– 6500	100– 7500	100– 6500
Distortion 500/800/1600 Hz (%)	<2/ <2/<2	<2/ <2/<2	<2/ <2/<2	<2/ <2/<2	<2/ <2/<2	<2/ <2/<2
Equivalent Input Noise, dB(A)	18	19	17	16	19	16
Operating Current (mA)	1.3	1.1	1.3	1.3	1.1	1.1
Telecoil HFA SPLITS (dB SPL)	97	92	99	99	92	99

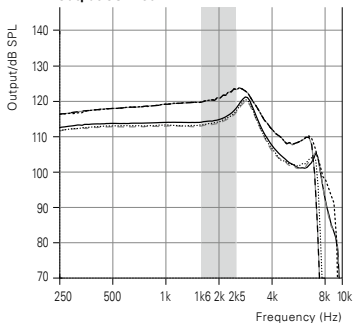
Additional Information

¹⁾Technical data measured with expansion, corresponding to the test box measurement settings.

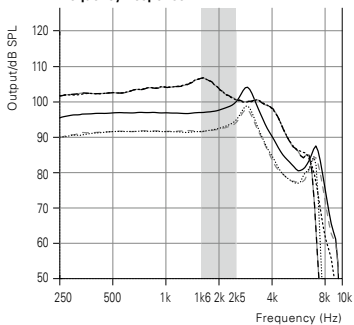
“2cc” refers to a coupler according to IEC 60318-5. Applied standard: ANSI S3.22:2009.

2CC COUPLER

Output OSPL 90



Frequency Response



- JU 9|7
- - - AR 9|7
- - - CN 9|7
- CN 5
- CA 5|3
- - - IN 3

ITCPD

	2CC COUPLER ¹⁾				
	JU 9 7	AR 9 7	CN 9 7	CN 5	CA 5 3
OSPL 90, HFA (dB SPL)	121	113	114	114	114
Full-on Gain, HFA (dB)	56	46	50	50	46
Reference Test Gain (dB)	44	33	38	38	33
Frequency Range (Hz)	100– 6100	100– 8400	100– 6200	100– 6200	100– 7300
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2
Equivalent Input Noise, dB(A)	20	19	16	16	19
Operating Current (mA)	1.3	1.1	1.2	1.2	1.1
Telecoil HFA SPLITS (dB SPL)	101	92	94	94	92

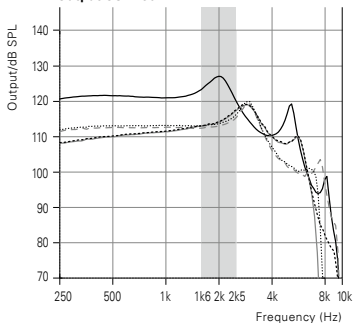
Additional Information

¹⁾Technical data measured with expansion, corresponding to the test box measurement settings.

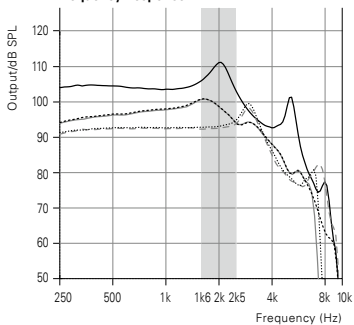
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2CC COUPLER

Output OSPL 90



Frequency Response



- JU 9|7
- - - AR 9|7
- - - CN 9|7
- CN 5
- CA 5|3

ITCD

	2CC COUPLER ¹⁾				
	JU 9 7 AR 9 7	CN 9 7	CN 5	CA 5 3	IN 3 1
OSPL 90, HFA (dB SPL)	112	108	108	113	108
Full-on Gain, HFA (dB)	43	41	41	43	41
Reference Test Gain (dB)	35	31	31	35	31
Frequency Range (Hz)	100– 9700	100– 5600	100– 5600	100– 7500	100– 5600
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2
Equivalent Input Noise, dB(A)	19	18	18	20	18
Operating Current (mA)	1.2	1.4	1.4	1.2	1.3
Telecoil HFA SPLITS (dB SPL)	91	85	85	91	85

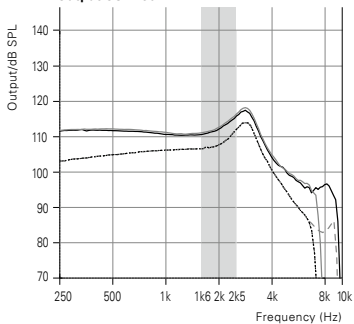
Additional Information

¹⁾Technical data measured with expansion, corresponding to the test box measurement settings.

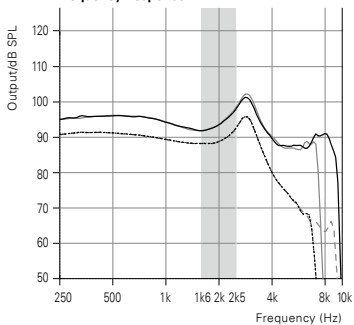
“2cc” refers to a coupler according to IEC 60318-5. Applied standard: ANSI S3.22:2009.

2CC COUPLER

Output OSPL 90



Frequency Response



- JU 9|7, AR 9|7
- - - CN 9|7
- - - CN 5
- CA 5|3
- IN 3|1

ITC

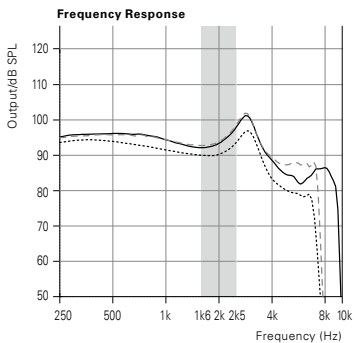
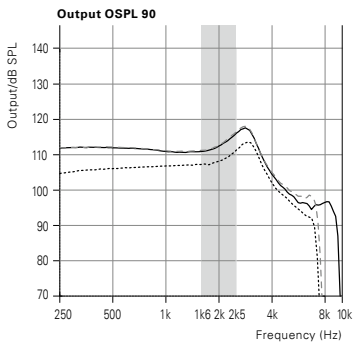
	2CC COUPLER ¹⁾		
	JU 9 7 AR 9 7	CA 5 3	IN 3 1
OSPL 90, HFA (dB SPL)	113	113	108
Full-on Gain, HFA (dB)	43	43	40
Reference Test Gain (dB)	35	35	32
Frequency Range (Hz)	100–9700	100–7500	100–7300
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2
Equivalent Input Noise, dB(A)	20	21	20
Operating Current (mA)	0.9	0.9	0.9
Telecoil HFA SPLITS (dB SPL)	91	91	84

Additional Information

¹⁾Technical data measured with expansion, corresponding to the test box measurement settings.

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2CC COUPLER



— JU 9|7, AR 9|7
 - - - CA 5|3
 IN 3|1

CICP

	2CC COUPLER ¹⁾					
	JU 9 7	AR 9 7	CN 9 7	CN 5	CA 5 3	IN 3
OSPL 90, HFA (dB SPL)	112	110	111	111	112	111
Full-on Gain, HFA (dB)	43	42	47	47	43	47
Reference Test Gain (dB)	33	33	33	33	34	33
Frequency Range (Hz)	100– 9400	100– 9700	100– 7800	100– 7000	100– 7300	100– 7000
Distortion 500/800/1600 Hz (%)	<2/ <2/<2	<2/ <2/<2	<2/ <2/<2	<2/ <2/<2	<2/ <2/<2	<2/ <2/<2
Equivalent Input Noise, dB(A)	20	22	18	18	21	18
Operating Current (mA)	1.1	1.0	1.0	1.0	1.0	0.9

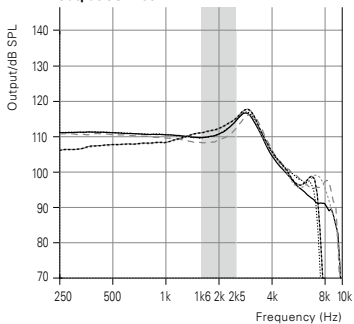
Additional Information

¹⁾Technical data measured with expansion, corresponding to the test box measurement settings.

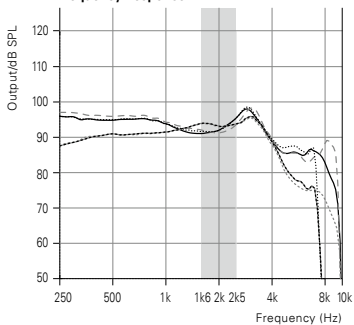
“2cc” refers to a coupler according to IEC 60318-5. Applied standard: ANSI S3.22:2009.

2CC COUPLER

Output OSPL 90



Frequency Response



- JU 9|7
- - - AR 9|7
- - - CN 9|7
- CN 5
- CA 5|3
- - - IN 3

CICx

	2CC COUPLER ¹⁾
	JU 9 7
OSPL 90, HFA (dB SPL)	102
Full-on Gain, HFA (dB)	35
Reference Test Gain (dB)	24
Frequency Range (Hz)	100–7900
Distortion 500/800/1600 Hz (%)	<2/<2/<2
Equivalent Input Noise, dB(A)	22
Operating Current (mA)	1.1

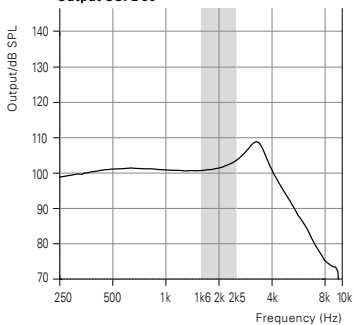
Additional Information

¹⁾Technical data measured with expansion, corresponding to the test box measurement settings.

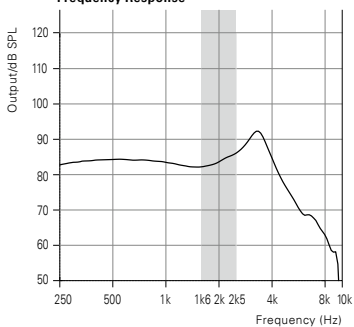
“2cc” refers to a coupler according to IEC 60318-5. Applied standard: ANSI S3.22:2009.

2CC COUPLER

Output OSPL 90



Frequency Response



— JU 9|7

CIC

	2CC COUPLER ¹⁾				
	JU 9 7 AR 9 7	CN 9 7	CN 5	CA 5 3	IN 3 1
OSPL 90, HFA (dB SPL)	102	102	102	101	102
Full-on Gain, HFA (dB)	35	33	33	33	33
Reference Test Gain (dB)	24	26	26	22	26
Frequency Range (Hz)	100– 6700	100– 9600	100– 7300	100– 6900	100– 7300
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2
Equivalent Input Noise, dB(A)	21	22	22	22	22
Operating Current (mA)	0.8	1.0	1.0	0.8	0.9

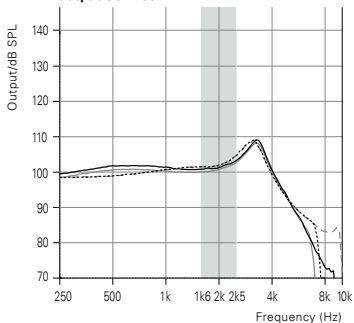
Additional Information

¹⁾Technical data measured with expansion, corresponding to the test box measurement settings.

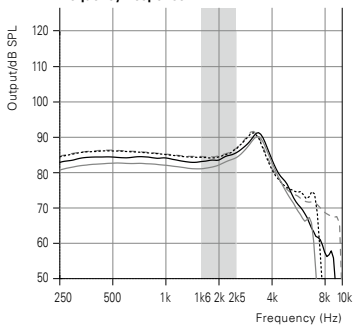
“2cc” refers to a coupler according to IEC 60318-5. Applied standard: ANSI S3.22:2009.

2CC COUPLER

Output OSPL 90



Frequency Response



- JU 9|7, AR 9|7
- - - CN 9|7
- ... CN 5, IN 3|1
- . - CA 5|3

IIC

	2CC COUPLER ¹⁾
	JU 9 AR 9
OSPL 90, HFA (dB SPL)	101
Full-on Gain, HFA (dB)	33
Reference Test Gain (dB)	25
Frequency Range (Hz)	100–9400
Distortion 500/800/1600 Hz (%)	<2/<2/<2
Equivalent Input Noise, dB(A)	20
Operating Current (mA)	0.9

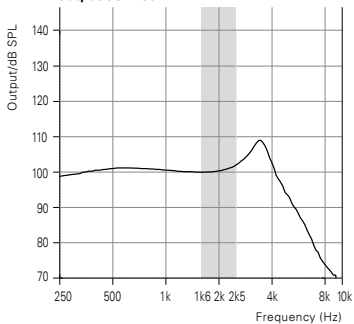
Additional Information

¹⁾Technical data measured with expansion, corresponding to the test box measurement settings.

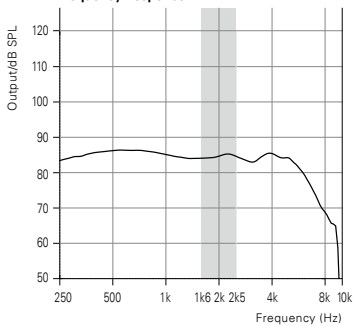
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2CC COUPLER

Output OSPL 90



Frequency Response



— JU 9, AR 9

< >
8,15 mm

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