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Digitales Knochenleitungshörsystem
Digital bone conduction hearing system

Gebrauchsanweisung/User Instruction

Your BHM hearing spectacles have been developed and manufactured according to the latest audiological information and state-of-the-art technical innovations. Please adhere carefully to the User Instructions to ensure that your hearing spectacles will remain a reliable partner for many years.

Intended Use: Bone-conduction hearing systems are designed in such a way as to compensate hearing impairment by processing and amplifying the sound as well as transferring it to the inner ear.

Users: The hearing system is intended to be used by adults and children.

Indications: For mild to moderate hearing loss.


Contraindications: Irritated skin or pressure marks possible.

IMPORTANT!

Your hearing spectacles have been especially adapted by a qualified hearing aid expert to

compensate for your individual hearing loss. Your hearing aid expert will also inform you about the correct use and operation of the hearing spectacles, and supply you with information on regular maintenance measures. Never pass on your hearing spectacles to another person i.e. please prevent unauthorized use.

Contents

Hearing device components	12
Insertion of battery	13
Switching on	13
Sound Dynamix (BHM Automatic 	13
Switching off	14
Volume	14
In-situ audiometry	15
Troubleshooting	15
Instructions for cleaning your hearing system..	16
Important notes	16
Service & Repair	18

Hearing device components



Symbol figure

- ① Volume control
- ② O-T-M switch
- ③ Battery
- ④ Battery compartment
- ⑤ Bone conduction receiver

Technical data according to DIN IEC 118-9	
Max. acoustic-mechan. sensitivity level / dB	52
Max. output force level / dB OFL	111
Current consumption in mA	< 1
Source of current / battery type	675
Average battery lifespan in hours zinc/air 675 (capacity 610 mAh)	640

Insertion of battery

Open battery compartment ④ with finger nail. Take care to insert the battery the correct way around (observe the ⊕-mark). Close the battery compartment with your finger until it clicks fully shut.

Attention: After removal of possible adhesive tape on the battery, please wait for 15 seconds without fail before inserting the battery!

Battery size: High quality 675 size or equivalent. Please remove the battery if the device is not used for long periods.

Note: Please change battery if there is a battery warning tone.

Switching on and off

Switching on:

To switch on the device put the O-T-M switch ② in position “M” (= microphone). Acoustic signals are received via the microphone amplified in the device and transmitted to the ear via the receiver.

Sound Dynamix (BHM Automatic)

In Automatic mode, the signal received by the microphone is analysed and categorised into different hearing situations.

These are:

- Quiet environments
- Speech in quiet environments
- Speech in background noise
- Music and movie
- Background noises
- Wind noises

The parameters of the hearing system are always configured according to this categorisation

such that an optimal level of hearing comfort and optimal speech comprehension are attained.

Switching over to telephone coil:

In order to switch over the device put the O-T-M switch ② into position “T”. The telephone coil enables you to hear better the person on the other end of the line by switching off the microphone and thus removing disturbing background noise. Please note that your telephone must be designed for telecoil use.

The telecoil can also be used in public buildings fitted with an induction loop, for example, schools, theaters, concert halls and cinemas. Put your O-T-M switch in position “T” and hear directly, without additional operation of the microphone and without disturbing noises.

Switching off:

To switch off the device, put the O-T-M switch ② in position “O”.

Volume

Select the most pleasant volume using the volume control ①. The volume becomes higher by moving the control forward and lower by moving the control backward.

Important notes on operating the hearing spectacles:

Switch off the device by using the O-T-M switch ②, put on your glasses, select volume level low and switch the device back on. Select the most pleasant volume level only after switching on and checking volume of device!

Special care must be taken to ensure that the bone conduction receiver surface ⑤ is firmly seated against the mastoid bone. Partial or weak contact will cause feedback (whistling).

Recommendation:

To get the best use out of your bone conducted spectacles, please adjust the sound intensity to your environment using the volume control.

In-situ audiometry

You can use In-situ audiometry for bone conduction (BC) to ensure that the hearing system fits perfectly. Hearing devices individually fitted to the client are used to determine the BC hearing threshold. For further information please refer to the instructions for In-situ audiometry.

Troubleshooting

If your hearing device does not work:

- Please bear in mind that your hearing device automatically switches off if the battery is low.
- Check whether the hearing device is

switched on and the battery compartment is closed properly.

- Does your battery still supply enough power and is it correctly inserted? (Always take a spare battery with you!) – Try a new battery from a new pack.
- Check whether the O-T-M switch is in the correct position.
- Is the volume control selected properly? – If the device whistles, please check whether the hearing spectacles fit properly against the head.
- If you hear buzzing or whistling noises in your device, this may not necessarily be the fault of your hearing device. It may be caused by interference from a mobile phone or another electronic instrument.
- If you have tried everything and the hearing device still does not function properly, please take it to your hearing aid expert with a short description of the problem.

Instructions for cleaning your hearing system

In order to ensure the warranty and guarantee of your hearing system, please note that your hearing system must be cleaned thoroughly and properly at least once a day.

Wipe your hearing device with a clean, dry cloth: please make sure that your fingers are also clean and dry. This enables you to remove sweat and moisture from your hearing device. Furthermore, it is necessary to remove the batteries from your hearing system at night after cleaning. Store overnight with the battery compartment open so that any moisture in the device can evaporate.

Remove your hearing device before showering, bathing or using the sauna, and before you put on body care products, hairspray or make-up powder.

Such deposits can also soil the hearing

device, thus impairing or damaging the flawless functioning of your hearing system.

Important notes

The hearing spectacles are adjusted according to the patient's hearing loss by an authorized hearing aid expert. The end user is kindly requested only to operate those easily accessible controls designed for his or her use, according to the instructions.

WARNING!

Incorrect use of your hearing instrument and batteries may be hazardous to your health. Please read the following points carefully.

- Keep the hearing spectacles, which you have taken off, out of reach of other persons or children!
- Before using your hearing spectacles, turn

volume to “soft“. Select the most pleasant volume only after having performed a listening check of your hearing device.

- These hearing spectacles are able to transmit signals of very high volume. In order to avoid possible damage to the ear, the fitting of the device must be carried out by an authorized hearing aid expert.
- Never try to recharge a disposable battery!
- Swallowing batteries may be hazardous to your health and may cause severe injuries and even death!

For this reason: Never store batteries together with medicine! Immediately consult a doctor if a battery has been swallowed!

- Incorrect manipulation or rough handling of the hearing spectacles may cause detachment of small components. If such a component gets into your ear, immediately consult a doctor.
- Never expose your hearing spectacles to

extremely hot sun (e.g. behind the windshield of a car), to direct heat (do not put them on a radiator) or severe cold (overnight in a cold car) and avoid contact with chemicals and strong detergents.

- Always bear in mind that hearing devices do not properly function if e.g. the battery is low. This is especially hazardous if you are in traffic or are otherwise dependent on warning signals.
- Switch off your hearing instrument in mines or other areas where explosions could take place, unless your hearing device is especially certified for such use.
- Never change batteries of the hearing spectacles in the presence of babies and small children.
- Store batteries out of reach of babies and small children.
- Consult a doctor in case of skin irritations of the ear or head.

Further important points:

- Your hearing spectacles and accessories belong to that group of modern technological products that must be disposed of in a special environmentally-friendly way. Please take care that you dispose of your hearing device and accessories at a hazardous waste disposal site without fail. Your hearing aid expert will be glad to assist you in this matter.
- For extra hygienic and skin-protective cleaning we recommend special cleaning agents available at specialist shops. Never use benzene or other similar chemical detergents.
- It is imperative that defective hearing spectacles must be repaired by an expert. Never try to open the hearing device yourself. Improper manipulation will cause any guarantee to become null and void. If your hearing spectacles are defective, please consult your hearing aid expert.

Regular maintenance and check-ups by your hearing aid expert may prevent the need for repairs.

Service & Repair

If your hearing system does not work, it must be repaired by a qualified service technician. Do not try to open the hearing system casing, as this will void the guarantee and warranty. Please contact your hearing aid acoustician/doctor if your hearing system needs repair.



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nach EU-Richtlinie 93/42/EWG

0297 Qualitätsmanagementsystem nach DIN EN ISO 13485

According to EU directive 93/42/EEC

Quality management system according to DIN EN ISO 13485

