Nitro BTE

User Guide

SIEMENS

Dear customer,

Congratulations! You have selected a hearing instrument from Siemens. This hearing instrument was individually designed for your hearing impairment and is fitted specially to your personal hearing profile.

These instructions, together with guidance from your Hearing Care Professional, will help you understand how your new hearing instrument works.

If you have any further questions, please contact your Hearing Care Professional.

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Your Nitro hearing instrument

Nitro SP



- 1) Earhook
- ② Battery compartment
- 3 Microphone openings
- 4 Audio input
- (5) Volume control with on/off function
- 6 Program button with on/off function

- 7 LED
- 8 Cover for programming socket
- Typeplatesred = right hearinginstrumentblue = left hearing

instrument

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Hearing instruments are intended to improve the hearing of hearing impaired persons. Diagnosis and prescription of a hearing instrument must be performed by hearing health specialists, e.g. ENT doctors, audiologists or acousticians.

Read and follow the instructions of this user guide to avoid injuries or damage to the hearing instruments.

Symbols:		
Be aware of information marked with the warning symbol WARNING, CAUTION or NOTICE!		
\wedge	WARNING points out a situation that could lead to serious injuries, CAUTION indicates a situation that could lead to minor and moderate injuries.	
NOTICE	NOTICE indicates possible property damage.	
i	Advice and tips on how to handle your hearing instruments better.	
>	Instruction. Indicates that something has to be done.	

General notes on safety

NOTICE

Your hearing instruments are sensitive to extreme heat, high humidity, strong magnetic fields (>0.1T), X-rays and mechanical stress.

- ▶ Do not expose your hearing instruments to extreme temperature or high humidity.
- ▶ Do not leave them in direct sunlight.
- Do not wear your hearing instruments in the shower or when you apply make-up, perfume, aftershave, hairspray or suntan lotion.
- Do not wear your hearing instruments when you are exposed to short-waves, a strong magnetic field, a high frequency field or X-rays.
- Do not place your hearing instruments in a microwave oven.



WARNING

Choking hazard posed by small parts.

- ▶ Keep hearing instruments, batteries and accessories out of children's reach.
- If swallowed consult a physician or hospital immedi-
- If small children or mentally disabled persons need to wear hearing instruments ensure adequate supervision.

- In some countries restrictions for the usage of wireless equipment exist.
 - ▶ Refer to local authorities for further information.

NOTICE for batteries

Leaking batteries damage the hearing instruments.

- ▶ Remove batteries when the hearing instruments are not in use for a prolonged period of time.
- ► Turn your hearing instruments off when not in use to preserve the battery.



Risk in explosive environments, e.g. mining areas!

▶ Don't use your hearing instruments (and remote control) in areas where there is a danger of explosions.

Handling batteries



- Use standard batteries in your hearing instruments.
- ▶ Always use the right size batteries.



original size





- Remove the tab on your batteries only when you are ready to use them.
- ➤ The positive (+) side of the batteries is always the smooth side.
- ► Always keep spare batteries with you.

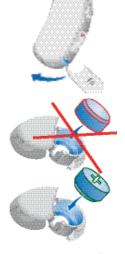
Low battery indicator

Your Hearing Care Professional can activate an acoustic signal to inform you when the battery is nearly empty. If you hear an acoustic signal or experience low amplification power, replace the battery.

Inserting the battery

 Open the battery compartment completely using your fingernail as shown in the illustration.

▶ Insert the proper size battery so that the "+" symbol on the battery aligns with the "+" marked on the battery compartment.



Close the battery compartment by gently pressing the bottom of the door upward with your finger tip. Do not force the door shut. If it does not close easily, check to see if the battery was inserted properly.



When the battery door is completely closed, your hearing instrument is ready for use.

Handling batteries



Removing the battery

- ▶ Open the battery compartment completely.
- Normally the battery drops out when the compartment is completely open. If the battery does not come out, lightly tap the instrument or push the battery out with a pencil as shown.
- Batteries contain harmful substances that pollute the environment.
 - Do not throw used batteries into household trash. Return them to your Hearing Care Professional for environmentally correct disposal.

Inserting your hearing instrument

- ▶ Turn your hearing instrument off.
- ► Hold the earmold between your thumb and index finger and insert it carefully into the ear canal. You may find it helpful to pull your ear slightly upward or to the back.



- ▶ Place your hearing instrument behind your ear.
- ▶ Turn your hearing instrument on.
- Ask your Hearing Care Professional to apply colored typeplates for side recognition. If the typeplate of your hearing instrument is red, the hearing instrument is intended for the right ear. If the typeplate is blue, the hearing instrument is for the left ear.

Removing your hearing instrument

Hold the earmold between your thumb and index finger and carefully pull it out. You may find it helpful to lightly push your ear from the back.



Turning your hearing instrument on and off

Via battery compartment:

- ► Fully close the battery compartment to turn the hearing instrument on.
- Press the battery compartment downward to the first stop to turn the hearing instrument off.

Via push button

- ▶ Press the push button for about 2 seconds to turn the hearing instrument to stand-by.
- ▶ Press the push button for about 2 seconds to turn the hearing instrument back on.

Via volume control

- ➤ Rotate the volume control upwards to turn the hearing instrument on.
- ➤ Rotate the volume control completely down to turn the hearing instrument OFF.

Via remote control

▶ Refer to the remote control user guide.

Power-on delay

Your hearing instrument is equipped with a "power-on delay" feature which can be activated by your Hearing Care Professional. This allows you to turn the hearing instrument on with an automatic delay of 6, 12 or 18 seconds, so that you may insert the hearing instrument into your ear without experiencing unpleasant feedback (whistling).

Checking the hearing instrument's performance



The LED shows whether the hearing instruments work properly.

- The LED shines continuously.
 The hearing instruments are switched on and sufficient battery power is available.
- The LED is off.
 The hearing instruments are switched off or the battery must be replaced.
- To check if sufficient battery power is available use a battery tester or place the switched-on hearing instruments in your closed hand and listen if it responds with feedback whistling.
 - ▶ Check the instrument sound regularly with a stethoclip, particularly if your child is not able to express verbally if something is wrong with the hearing instruments.

Changing the hearing program

Via push button



Your hearing instruments offer up to 5 hearing programs for specific listening environments.

Each time you press the program button, your hearing instruments switch to the next program, confirming each change with an acoustic signal.

Example

- Turn your hearing instruments on.
 It is automatically in program 1. You want to change to program 2.
- ▶ Press the program button once.
 You hear the acoustic signal for program 2.
 You are now in program 2.
- Press the program button shortly to change the program. Pressing the program button too long will switch off the hearing instruments.

Via remote control

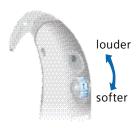
▶ Refer to the remote control user guide.

Your Hearing Care Professional can write down the personal program configuration of your hearing instrument on page 32.

Your Hearing Care Professional can activate or deactivate the acoustic signals in your hearing instruments.

The volume of your hearing instruments is controlled automatically and there is no need to manually adjust it.

Via volume control



Should you prefer manual volume control, your Hearing Care louder Professional can program the hearing instrument for manual adjustment.

▶ Rotate the volume control with your index finger to select the desired listening volume.

For easier handling your Hearing Care Professional may have activated the volume control only on one side. With e2e wireless the second hearing instrument is automatically adjusted.

Via remote control

▶ Refer to the remote control user guide.



Audio input

Your hearing instrument is equipped with an audio input. Together with an audio shoe it enables the connection between the hearing instrument and e.g. an FM system, tape recorder, television or an infrared device. This way the sound is coming directly from the sound source. That can be useful for adults in difficult listening situations and for children in classrooms.

NOTICE

▶ Use only the M5 audio shoe (labelled inside the audio shoe). They are designed exclusively for the your hearing instruments.

With the audio shoe M5 attached, the battery compartment switch is disabled and the hearing system can only be switched off via push button or remote control.



WARNING

Risk of injuries caused by electric shock!

▶ Connect audio input only to device conform to IEC 60065. (IEC-Norm for audio, video and other electronic devices.)

Attaching the audio shoe

- ▶ Open the battery compartment ① .
- ▶ Open the audio shoe cover ②.
- ▶ Close the battery compartment.
- Align the contacts of the audio shoe with the contacts of the hearing instrument.
- ➤ Slide the audio shoe over the hearing instrument until it snaps into the end position.

Your Hearing Care Professional can program your hearing systems so that they switch automatically to the audio shoe program if an audio shoe has been attached.

Removing the audio shoe

- Slide the audio shoe in the opposite direction to that for attachment and take it off.
- Close the audio shoe cover.





Telephoning

AutoPhone™ function

With the AutoPhone function, your hearing instrument will automatically switch to the telephone program when you hold a telephone handset near your hearing instrument (*). It will return to the previously used hearing program after you have finished speaking and have moved the handset away from the hearing instrument.

(*) AutoPhone magnet accessory

Not all telephones produce a magnetic field strong enough to activate the AutoPhone function. In this case, use the AutoPhone magnet, which is available as accessory, and attach it to the telephone receiver to activate the AutoPhone function.



- See the AutoPhone magnet user guide for instructions on how to position the magnet.
 - ► Use only the Siemens magnet. Ask your Hearing Care Professional for this accessory.

Manual telephone program

Select the telephone program manually by using the program button.

The telephone program can be set to microphone mode or telecoil mode. Your Hearing Care Professional will program your hearing instrument to fit your individual requirements.



CAUTION

Magnets may interfere with the operation of life supporting systems (e.g. pacemakers, magnetic valves).

- ▶ Use a magnet only if not in doubt about the safe distance.
- The safe distance between pacemaker and magnet should be at least 10 cm (4 inches).



CAUTION

Choking hazard posed by magnets.

▶ Keep magnets out of the reach of children. If swallowed consult a physician or a hospital.

NOTICE

Magnets pose risks to electronics and magnetic storage mediums when placed in close proximity.

- ▶ Do not to set magnets near computers, color monitors, television sets, floppy discs, video/audio tapes and other electronic equipment.
- When operating the hearing instrument in T-coil mode, the wireless function may cause a pulsing noise. In this case use the remote control with a distance greater than 10 cm (4 inches).

e2e wireless 2.0

Your hearing instruments are equipped with e2e (ear-toear) wireless 2.0 technology.

Advantages of the wireless functionality:

- Automatically adjusts both hearing instruments simultaneously to different listening situations.
- Allows use of accessories, e.g. a remote control.
- Provides synchronization of the settings in the system. If you change the volume or program on one hearing instrument, the other hearing instrument is automatically adjusted.

Your Hearing Care Professional can activate or deactivate the wireless functionality of your hearing instruments.

- The performance of e2e wireless 2.0 may be affected by electromagnetic interference e.g. from a computer monitor or halogen lamp system controlled by a switching power supply.
 - Move away from the source of interference if you experience difficulty.

Your hearing instruments are highly sensitive systems. Proper care and handling will ensure the best possible performance.

Clean instruments regularly to prevent damage to the hearing instruments and to avoid health problems.



NOTICE

- ▶ Do not put the hearing instruments in water.
- ► Clean your hearing instruments with a soft, dry tissue, as necessary.
- ▶ Place your hearing instruments in a "dry aid kit" with a special moisture-attracting capsule overnight.
- Ask your Hearing Care Professional for special care sets and further information on how to keep your hearing instruments in good condition.

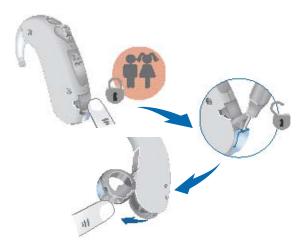
Accessories

SafeFit Kit

Your Hearing Care Professional can convert this hearing instrument to be child-proof.

The child-proof version of the hearing instrument:

- does not have a push botton.
- has a typeplate that can not be detached by a child.
- has a battery compartment lock that can only be opened with a special tool.



All these precautions help to prevent the child from detaching and swallowing small parts.

Accessories

Remote control

The wireless function of your hearing instruments allows you to use a remote control to change the program and volume of your hearing instruments.

For further information about the remote control, contact your Hearing Care Professional or refer to the remote control user quide.

 $^{\circ}$ \triangleright In the event your hearing instruments can be controlled by another person's remote control, return hearing instruments and remote control to your Hearing Care Professional.

Accessories



Tek wireless enhancement

Your hearing instruments together with the Tek Connect remote control will allow you to connect your hearing instruments to the growing world of technology. Via a special Bluetooth connection it is possible to receive audio signals from your mobile, your television or your mp3-player.

For detailed information and instructions refer to the Tek user guide or ask your Hearing Care Professional.

Your hearing instruments are extremely reliable devices. Should a problem occur, it can usually be corrected quickly. Use these troubleshooting tips to resolve simple issues.

Problem	Possible solution
Sound is weak	Replace / recharge empty battery. Clean earmold. Increase volume.
Instrument emits whistling sound	Try reinserting the earmold until it fits securely. Lower volume.
Sound is distorted	Lower volume. Replace / recharge empty battery. Clean earmold.
Instrument emits signal tones	Gently close battery compartment completely. Replace/recharge empty battery.

Problem	Possible solution		
Instrument does not work	Check if the hearing instrument is turned on. Gently close battery compartment completely. Replace/recharge empty battery. Make sure battery is inserted correctly. Wait 18 seconds and check again.		

If you still encounter problems after trying these suggestions, consult your Hearing Care Professional.

Operating frequencies: F_c=3.28 MHz

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

Changes or modifications not expressly approved by Siemens Audiologische Technik GmbH could void the users authority to operate the equipment.

Siemens Nitro 700 SP, Nitro 300 SP

FCC ID: SGI-WI 002BTF

IC: 267AB-WI 002



C N14203

This device complies with Part 15 of the FCC Rules and with RSS-310 of Industry Canada.

Operation is subject to the following 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.

Technical information

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.

Within the European Union, the marked equipment is covered by "Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003 on waste electrical and electronical equipment".



Amended by "Directive 2003/108/EC" (WEEE).

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▶ Recycle your hearing instrument according to national regulations.

www.siemens.com/hearing

With the CE marking Siemens confirms compliance with the European Directive 93/42/EEC concerning medical devices.



For the products with e2e wireless 2.0 Siemens additionally confirms compliance with the European Directive 99/5/EC (R&TTE) concerning radio and telecommunications terminal equipment.

Your hearing instrument configuration

Hearing instrument				
LEFT			RIGHT	
		Model		
		Serial number		
		Battery		
yes	no	Power on delay	■ yes ■ no	
yes	no	Volume control	yes no	
yes	no	Push button	■ yes ■ no	
		Signal tones		
on	off	Low battery warning	■on ■off	
on	off	Volume control limit	on off	
on	off	Volume control change	on off	
Hearing program		Description of the hearing	program	
1				
2				
3				
4				
5				
Remote control				
Model				
Serial number				

Notes

Notes

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