

NITRO[®] and NITRO 16

**Instruction Manual for NITRO[®] and NITRO 16
In-the-Ear, Half Shell and In-the-Canal
Hearing Instruments**

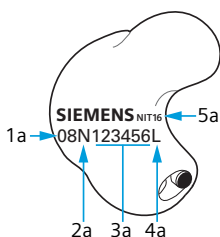


Siemens Hearing Instruments

SIEMENS

Your NITRO®/ NITRO 16 Hearing Instruments

Your NITRO/NITRO 16 hearing instrument is custom made to fit the contours of your ear. Each instrument can be identified by a serial number found on the outside of the instrument. If the number appears in red, this hearing instrument is for the right ear. If the number appears in blue, this hearing instrument is for the left ear.



1a 08 – Year manufactured

2a N – Facility code where instrument was manufactured

3a Serial number

4a L or R – Left or Right ear instrument

5a NIT16 – Model type

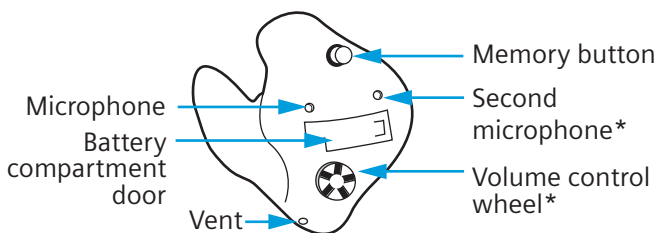


Fig. 1: Left ITE hearing instrument

1b 08 - Year manufactured

2b N - Facility code where instrument was manufactured

3b Serial number

4b L or R - Left or right ear instrument

5b NIT - Model type

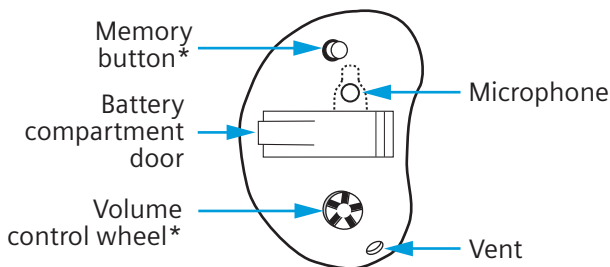
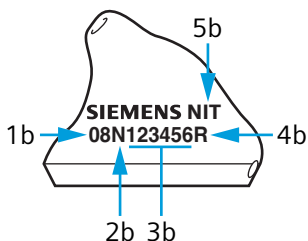


Fig. 2: Right HS/ITC hearing instrument

* The model shown indicates a memory button, volume control wheel and one or two microphones. Your Audiologist or Hearing Care Provider will determine whether it is necessary to include any or all of these options on your hearing instrument.

Because your hearing instrument was custom made, its appearance may vary from the one pictured.

The battery compartment door holds the battery that powers the instrument. The vent hole, which can appear in various locations, provides comfort and pressure release.

Inside your hearing instrument, the microphone, analog-to-digital converter, digital signal processor receiver and other specialized components process sound that is directed to the eardrum and auditory system.

The microphone picks up sound waves from the air and converts them to electrical signals. The analog-to-digital converter encodes the electrical signals into a format that is usable by the digital signal processor.

The digital signal processor has been programmed by your Audiologist or Hearing Care Provider to execute the required digital signal processing for your particular hearing loss.

The receiver converts the digitally processed signal directly back into sound waves.

Using your NITRO/NITRO 16 hearing instrument

Battery size

The chart below provides the battery size generally used in your hearing instrument. However, since your hearing instrument is a custom product, it's recommended that you check with your Audiologist or Hearing Care Provider regarding the correct battery for your instrument.

<u>Model</u>	<u>Size</u>
NITRO/NITRO 16 In-the-Ear	13
NITRO/NITRO 16 Half Shell	312
NITRO/NITRO 16 In-the-Canal	312

Before using your hearing instrument, place the battery into the battery compartment door. Using the fingernail of either your thumb or index finger, pull the tab on the battery compartment door outward until the door swings open all the way (Fig. 3).

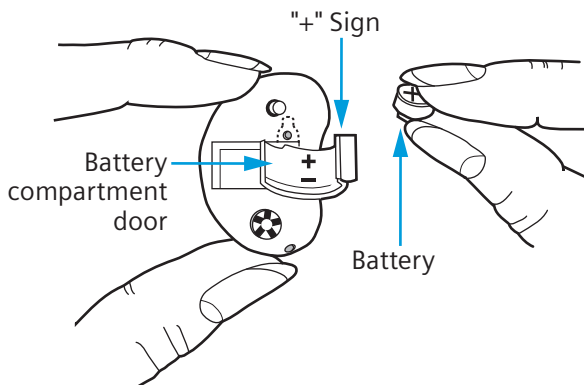


Fig. 3: Opening the battery compartment

Place the proper size battery (see "Battery" section or consult your Audiologist or Hearing Care Provider) into the battery compartment door, observing the correct polarity. The "+" sign on the battery must match the "+" sign stamped on the top of the battery compartment door (Fig. 4).

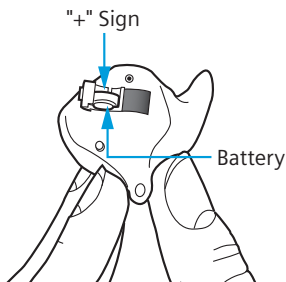


Fig. 4: Inserting the battery

Gently close the battery compartment door. Avoid forcing the door shut. If it does not close easily, check to see if the battery was inserted properly. Once the battery is in its proper position, your instrument is ready to operate.

Note: Make it a habit to remove the battery every time you take off your hearing instrument.

Low battery indicator

Your hearing instrument may be programmed to inform you when the battery should be replaced for best performance. If this feature is activated in your hearing instruments, you may hear two long, low pitched beeps and/or experience low amplification power or volume. Change the battery immediately when either of these occur.

WARNING: Choking hazard posed by small parts.

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

Battery tips

CAUTION! Batteries can be harmful if swallowed.

- If a battery is accidentally swallowed, seek medical attention immediately, or call **The National Button Battery Hotline collect at (202) 625-3333.**
- Always use the battery size recommended on your warranty card or in this manual for your model for best performance.
- Remove the battery from your instrument when not in use. This prevents possible damage from expansion or leakage of the battery, if the instrument is not fully turned off.

- Always carry spare batteries in the event that your current battery goes dead. Place each spare battery in an individual, non-metallic container to prevent contact with other batteries or metal objects, such as keys or coins.
- Follow your local recycling rules for battery disposal.

Note: Do not throw used batteries into household trash. Return them to your Audiologist or Hearing Care Provider for environmentally correct disposal.

WARNING: 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

Inserting and removing the hearing instrument

Hold the instrument between your thumb and index finger. With the face of the instrument toward the outside, place the canal portion into your ear. Gently work the instrument into its proper position by slightly twisting until it is

firmly seated. Lightly press inward for a secure and comfortable fit (Fig. 5).

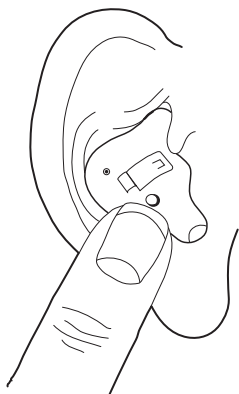


Fig. 5: Inserting the hearing instrument

To remove the hearing instrument, push lightly on the back of the ear to help loosen it. Then, using your index finger, carefully pull the hearing instrument from your ear.

CAUTION! Never pull on the battery compartment door to remove the instrument, as this could cause damage.

Turning the hearing instrument on or off

Using the battery door, insert a battery into the hearing instrument and close the door to turn the instrument on. To turn the instrument

off using the battery door, open the battery compartment door completely.

Your hearing instrument may also be programmed to allow you to turn it on and off using the memory button. To turn the instrument off using the memory button, press and hold the button for 3 – 5 seconds. To turn the instrument back on, press and hold the memory button for 3 – 5 seconds.

Please note that after having turned the instrument off using the memory button, you must wait approximately 10 seconds for the system to reset before turning it back on again by using the memory button.

Check with your Audiologist or Hearing Care Provider about which on/off functions are available on your hearing instrument.

Power-on delay feature

Your hearing instrument may be equipped with an advanced power-on delay feature. This feature delays sound from entering your hearing instrument when it is first turned on, so that you

may insert the instrument into your ear without experiencing unpleasant feedback (whistling).

Using the memory button

Your NITRO/NITRO 16 hearing instrument may have up to 4 memories, also called hearing programs, which are selected with the memory button. Each program is different and designed to help you hear better in specific listening situations.

When initially turned on (after the battery compartment door is closed) the microphone is ON and ready for general use, the default is Memory 1. Your Audiologist or Hearing Care Provider will provide you with the number of memories most appropriate for your needs. Each time you press the memory button on the hearing instrument your NITRO/NITRO 16 hearing instrument changes to the next memory. The memory change may be confirmed by alerting tones or beeps which correlate to the memory you are in. That means if you select Memory 3, then the hearing instrument beeps 3 times.

Below is a list of listening environments programmed into the memories of your hearing instrument.

Memory number	Listening environment
1	_____
2	_____
3	_____
4	_____

If no memory button is provided, your Audiologist or Hearing Care Provider will program the instrument to automatically adjust to a wide variety of listening environments without any effort on your part.

Volume Control

Your NITRO/NITRO 16 hearing instrument is fully automatic. There is no need to manually adjust the volume control. However, if you prefer manual volume control, your NITRO/NITRO 16 hearing instrument can be programmed for manual adjustments, too.

If your instrument is programmed for manual adjustment, the wheel-shaped volume control on the hearing instrument can be rotated forward or backward.

To increase the volume, place your index finger gently against the volume control wheel and rotate it forward. To reduce the volume, rotate the wheel in the opposite direction. Once the volume maximum or minimum has been reached, further changes to the volume in that direction will have no effect.

You may hear soft beeps each time you change the volume, and a three-beep warning when the volume limit has been reached. These tones can be enabled or disabled by your Audiologist or Hearing Care Provider.

If your hearing instrument has not been programmed for manual control adjustment, the volume will adjust automatically and rotating the volume control wheel will have no effect.

Learning volume preference feature (NITRO 16 only)

The learning volume preference feature retains information on when and how you adjust the volume on your NITRO 16 instruments programmed for manual adjustment. Over time, your NITRO 16 hearing instruments will automatically adjust to your preferred volume in each listening program. For more information about this feature, speak with your Audiologist or Hearing Care Provider.

Using the telephone

You may use the telephone in a natural manner. If you get a whistling sound (feedback), tilt the phone receiver away from your ear and/or reduce the volume until the whistling stops. By trying various positions of the telephone receiver, you will discover what works best for you.

Health considerations

If soreness or skin irritation develops in the ear, discontinue wearing your hearing instrument, and bring the instrument to your Audiologist or Hearing Care Provider. Minor fit adjustments and

polishing can often correct this condition. If soreness persists, discontinue wearing the hearing instrument and see your physician. If excessive earwax accumulates when wearing your hearing instrument, consult your Audiologist or Hearing Care Provider.

Maintenance and care

Always store your hearing instrument inside its case. A soft carrying pouch is also included for your convenience when traveling.

Never immerse your hearing instruments in water!

If needed, your NITRO/NITRO 16 hearing instruments can be wiped with a tissue or other clean, dry cloth.

IC: 267AB-WL001

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Your Audiologist or Hearing Care Provider:

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