

Nucleus®
freedom™

QUICK START GUIDE

for the Nucleus® Freedom™ Speech Processor with BTE,
Mini, Bodyworn and Babyworn™ Wearing Options



Hear now. And always



Symbols



Note
Important information or advice.
Can avoid inconvenience.



Warning (harmful)
Potential safety hazards and serious
adverse reactions.
Could cause harm to person.

Contents

Introduction.....	5
Purpose of this guide	5
Overview	6
Understanding the symbols on the display.....	8
Changing the batteries.....	9
BTE, Mini and Babyworn™	9
Bodyworn	10
Turning your processor on and off.....	11
BTE, Mini and Babyworn.....	11
Bodyworn	11
Changing Programs	12
BTE, Mini and Babyworn.....	12
Bodyworn	12
Changing your perception of loudness.....	13
Controlling microphone sensitivity	13
BTE, Mini and Babyworn.....	13
Bodyworn	13
Controlling volume	14
BTE, Mini and Babyworn.....	14
Bodyworn	14
Using the telecoil	15
Selecting or disabling the telecoil	15
BTE, Mini and Babyworn.....	15
Bodyworn	15
Mixing the telecoil and microphone.....	16
Maintenance checklist.....	17
Cleaning the microphone protector	17
Replacing the microphone protector	17
Cleaning your processor.....	18
Storing your processor.....	18
Cleaning the battery contacts.....	18

Introduction

Purpose of this guide

This guide provides you with the essential information you need to familiarise yourself with the basic operations of your Nucleus® Freedom™ Speech Processor.

Once you understand the basic functions of your processor, the Freedom User Manual provides more in-depth information that's outside the scope of this guide – particularly in the areas of advanced user operations, maintenance and troubleshooting. Refer to the user manual for more detailed information on the instructions provided in this guide.

It is important that you familiarise yourself on how to clean and maintain your processor, and follow a regular cleaning routine. This will increase the lifetime of your processor and minimise the risk of decreased hearing performance.

Overview

Your processor is used together with a Cochlear™ Implant to transmit sound to the cochlea.

Your processor consists of a Processing Unit, coil and a choice of four wearing options that use different controllers. The four wearing options can be worn interchangeably with the same Processing Unit.



BTE wearing option



Mini BTE wearing option

The Behind The Ear (BTE) and Mini BTE Controllers allow your processor to be worn behind the ear. The Mini BTE Controller is slightly smaller than the BTE Controller but is functionally identical.



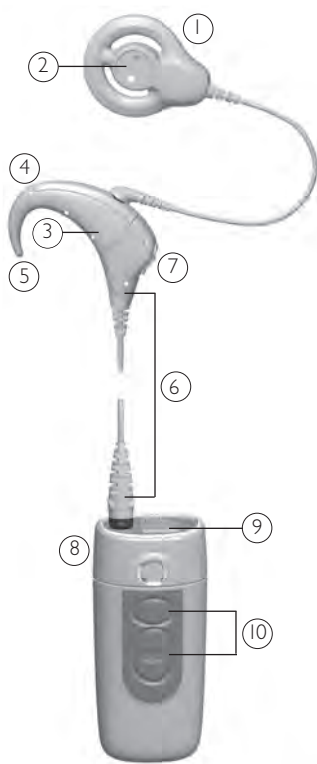
The operational functionality of the buttons and display on the BTE and Mini BTE Controllers is identical. Both controllers are also very similar in appearance and therefore this guide displays images of the BTE for instructions that apply to both controllers.

The Bodyworn and Babyworn™ wearing options allow your controller to be worn on the body and attached to your processor with a Bodyworn or Babyworn cable.



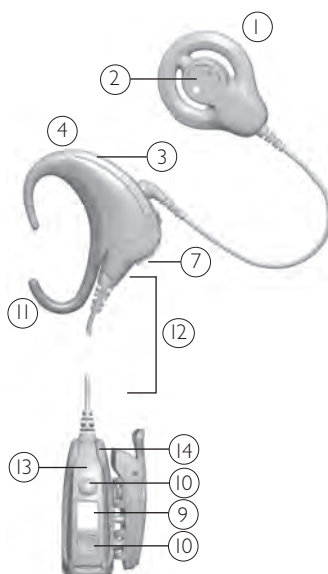
Your processor contains small parts that may be hazardous if swallowed, or may cause choking if ingested or inhaled. Infants and young children should wear the Bodyworn Controller in a Cochlear provided, tamper-resistant pouch.

For details on warnings and precautions, refer to the Warnings and Precautions leaflet included in the documentation you received with your processor.



- 1 Coil
- 2 Magnet
- 3 Processing Unit
- 4 Indicator Light
- 5 Earhook
- 6 Bodyworn Shoe & Cable
- 7 Accessories Connection
- 8 Bodyworn Controller
- 9 Display
- 10 Control Buttons
- 11 Snugf t™ Retention Aid
- 12 Babyworn Shoe & Cable
- 13 BTE Controller
- 14 BTE Retention Case
- 15 Mini BTE Controller

Bodyworn wearing option



Babyworn wearing option with Snugf t

Understanding the symbols on the display

These symbols display on all four controllers:

Symbol	Meaning
P1, P2, P3, P4	Program 1, Program 2, Program 3, Program 4
M	Microphone
T	Telecoil
MT	Microphone and Telecoil on at the same time
S	Sensitivity (ranges from 0 to 20)
V	Volume (ranges from 0 to 9)
EA	External Accessory: flashes when accessory is first turned on
	Lines on left of display: processor programmed for the left ear
	Lines on right of display: processor programmed for the right ear
H1	Flat battery
H2	Low battery
H3	Coil error
H4	Audio error
H5	Program corrupted
H6	Implant ID error (incorrect implant detected by your processor)

In addition to the above, these symbols display on the Bodyworn Controller:

Symbol	Meaning
x	External Accessory is activated
	Sound level indicator sounds are being picked up by your processor
	Battery Level Indicator: battery power is full
	One segment of Battery Level Indicator: battery power is low

For information on additional symbols that can appear on your display, see the user manual.

Changing the batteries

Batteries should be replaced when any of the following occur:

- Low or flat battery warning tones are heard.
- Low or flat battery help message shows on the display (H1 or H2).
- Low battery warning shows on the Bodyworn Controller (only a small segment of the battery is on the display).
- You stop hearing sound.

BTE, Mini and Babyworn™

To change the batteries:



1. Remove the battery rack.



2. Remove the used batteries.



3. Insert the new batteries.



4. Replace the battery rack.



5. Turn on your processor.

Bodyworn

To change the batteries:



1. Remove the battery compartment.



2. Remove the used batteries.



3. Insert the new batteries.



4. Replace the battery compartment.



5. Turn on your processor.

Turning your processor on and off

BTE, Mini and Babyworn



Push and hold the Select button for more than one second to turn on or off.



The display shows the current program when turned on.



The display is empty when turned off.

Bodyworn



Push and hold the Select button for more than one second to turn on or off.



The display shows the current program when turned on.



The display is empty when turned off.

Changing Programs

Up to four sound processing programs (P1 to P4) are available for your use, providing that your clinician has enabled them for you.

You can change programs to help you hear better in different listening situations.

BTE, Mini and Babyworn



1. Push the Select button briefly to change the program.



The display shows the selected program.



2. Continue pushing the Select button until you reach the program you want.

Bodyworn



1. Push the Select button briefly to change the program.



The display shows the selected program.



2. Continue pushing the Select button until you reach the program you want.

Changing your perception of loudness

You can use the microphone sensitivity and volume controls to change the loudness levels of the sounds you hear.

Microphone sensitivity and volume settings are saved for each program, providing that your clinician has enabled you to make changes. If you are adjusting the sensitivity or volume settings often, consult your clinician.

Controlling microphone sensitivity

The microphone sensitivity controls the softest level of sound picked up by the microphone. The recommended level is 12.

To change the microphone sensitivity:

BTE, Mini and Babyworn



1. Briefly push either the Increase or Decrease button.



The display shows the current sensitivity level.

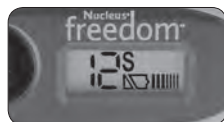


2. Continue pushing until you reach the sensitivity level you want.

Bodyworn



1. Briefly push either the Increase or Decrease button.



The display shows the current sensitivity level.



2. Continue pushing until you reach the sensitivity level you want.

Controlling volume

The volume controls your perception of loudness.

To change the volume level:

BTE, Mini and Babyworn



1. Push either the Increase or Decrease button and hold for more than one second.



The display shows the current volume level.



2. Continue pushing the Increase or Decrease button until you reach the volume level you want.

Bodyworn



1. Push either the Increase or Decrease button and hold for more than one second.



The display shows the current volume level.



2. Continue pushing the Increase or Decrease button until you reach the volume level you want.

Using the telecoil

The in-built telecoil allows you to receive signals from a

- Hearing aid compatible telephone
- Room fitted with an induction loop, or
- Personal induction loop, such as a neck loop or cushion loop.

The sound signal from an amplifier, TV or Hi-Fi can also be sent from an induction loop to the telecoil. To select or disable the telecoil:

Selecting or disabling the telecoil

BTE, Mini and Babyworn



1. Push and hold the Increase and Decrease buttons together for a few seconds.



T shows on the display when the telecoil is selected.



T disappears from the display when the telecoil is disabled.

Bodyworn



1. Push and hold the Increase and Decrease buttons together for a few seconds.



T shows on the display when the telecoil is selected.



T disappears from the display when the telecoil is disabled.

Mixing the telecoil and microphone

Your clinician can set your program to operate using the telecoil alone, or as a mix of your in-built telecoil and processor microphone. If your clinician sets your program as a mix of the telecoil and microphone, this will show as MT on the display.



Mix of microphone and telecoil on the display for the BTE, Mini BTE and Babyworn™ wearing options.



Mix of microphone and telecoil on the Bodyworn display.

Maintenance checklist

Cleaning the microphone protector



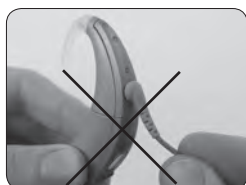
Clean the microphone protector daily with a soft brush or cloth, while it is positioned on your processor. Do not clean the underside of the protector. Do not use chemicals.

Replacing the microphone protector

Replace the microphone protector when sound quality is degraded or when it becomes dirty. If you are unsure if it needs to be replaced, try using a new protector and if the sound quality improves or is louder then dispose of the old protector. Replace the protector every month (at the very least) to ensure optimal sound quality.



1. Pull out the coil by holding the plug firmly.



Do not pull the cable.



3. Remove the dirty protector using your fingernail.



4. Attach the new protector.

Cleaning your processor

Wipe your processor gently with a cloth slightly dampened with mild detergent. Regular cleaning prevents dirt from building up.

Storing your processor

Store your processor overnight or when you are not using it, in a dry aid kit or drying pack such as the Dry & Store®. It is recommended that you store your processor fully assembled.



Dry aid kit



Drying pack

Cleaning the battery contacts



Use a soft brush to gently clean the battery contacts. Do not use chemicals. Take care not to apply force that may damage the contacts.

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