



# Step up with pep





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This document introduces you to the Pep hearing instrument family. Here you will find step by step instructions on everything from exchanging the Thin Tubes and earhooks, to fine tuning adjustments in the EXPRESSfit fitting software. For additional information, please contact your local Sonic customer care department.

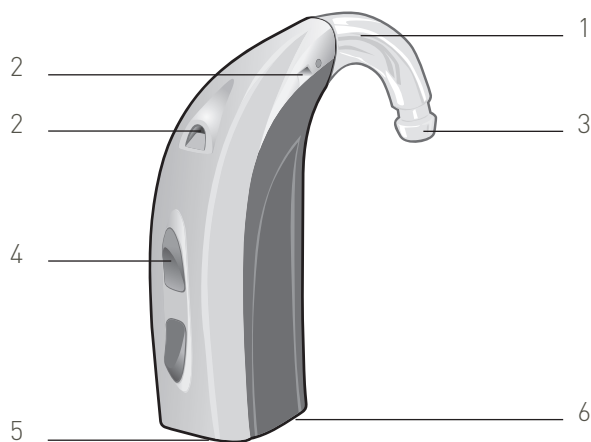


# Pep Hearing Instrument

## Overview

### Pep Power BTE

[Shown with Earhook – Thin Tube also available as an option]



- 1 Earhook
- 2 Microphones
- 3 Sound outlet
- 4 Multi control
- 5 Battery door
- 6 Direct Audio Input

### Pep BTE

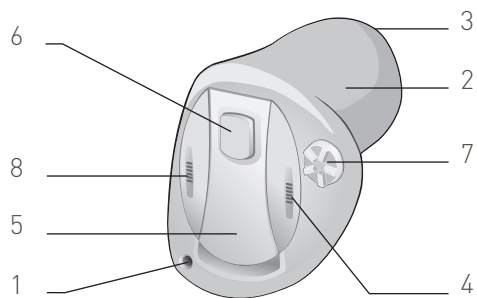
[Shown with the optional Thin Tube – Earhook available as standard]



- 1 Adapter
- 2 Microphones
- 3 Thin Tube
- 4 Multi control
- 5 Sound outlet
- 6 Dome
- 7 Battery door
- 8 Direct Audio Input  
(with an optional DAI adapter)
- 9 Retention lock

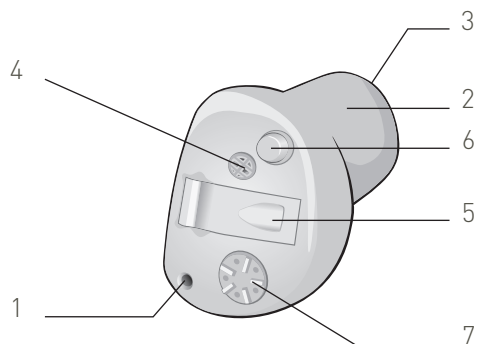


### Pep ITCD



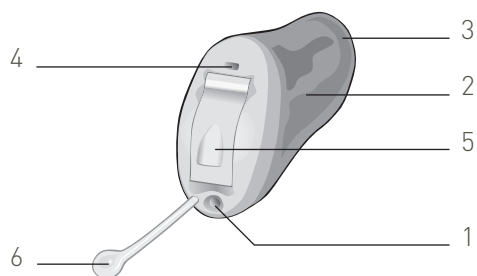
- 1 Vent
- 2 Canal
- 3 Sound outlet with wax protection
- 4 Microphone opening
- 5 Battery door
- 6 Push button (optional)
- 7 Volume control (optional)
- 8 Second microphone opening

### Pep ITC



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

### Pep CIC




- 1 Vent
- 2 Canal
- 3 Sound outlet with wax protection
- 4 Microphone opening
- 5 Battery door
- 6 Removal cord






## Pep BTE Hearing Instruments

All Pep BTE hearing instruments can be fit with either a conventional earhook or a Thin Tube.

Conventional Earhook	Custom Fit
	Various Custom Molds available

### Acoustic options

Thin Tube system (optional)	Thin Tube Domes							Custom Fit
	0.9 mm	1.3 mm		6 mm (XS)	8 mm (S)	10 mm (M)	12 mm (L)	Various Custom Molds available
			Open Dome	•	•	•		
			Tulip Dome				•	
			Dome, Large Vent		•	•	•	
			Dome, Small Vent		•	•	•	
			Power Dome	•	•	•		

### Thin Tube lengths

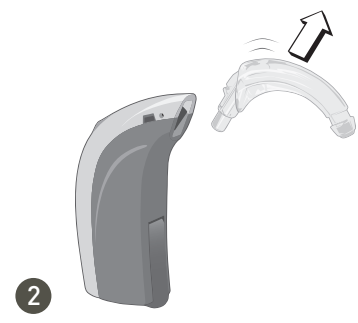
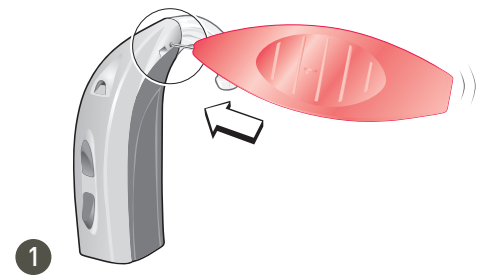
To ensure a secure fitting with maximum patient comfort, the proper Thin Tube length should be selected for each patient before fitting a Pep BTE. Sonic Thin Tubes come in four different lengths, and a red (Right) or blue (Left) marker on the Thin Tube identifies the orientation.

Length	Size Code
XShort	0
Short	1
Medium	2
Long	3



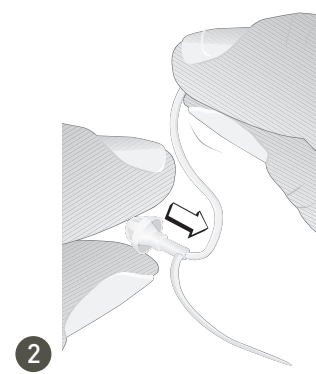
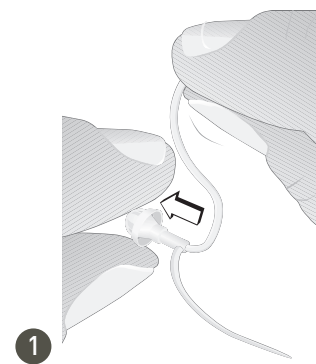
## Attaching and removing the earhook or Thin Tube adapter

- 1 Use the pointed end of the disassembly tool to push the lock pin free.
- 2 Replace the hook or the adapter with the desired part.
- 3 Replace the lock pin (tweezers make this easier).



## Changing Thin Tube domes

- 1 Pull the used dome off the tube and discard.
- 2 With clean hands, firmly push a new dome onto the tube as far as it will go.

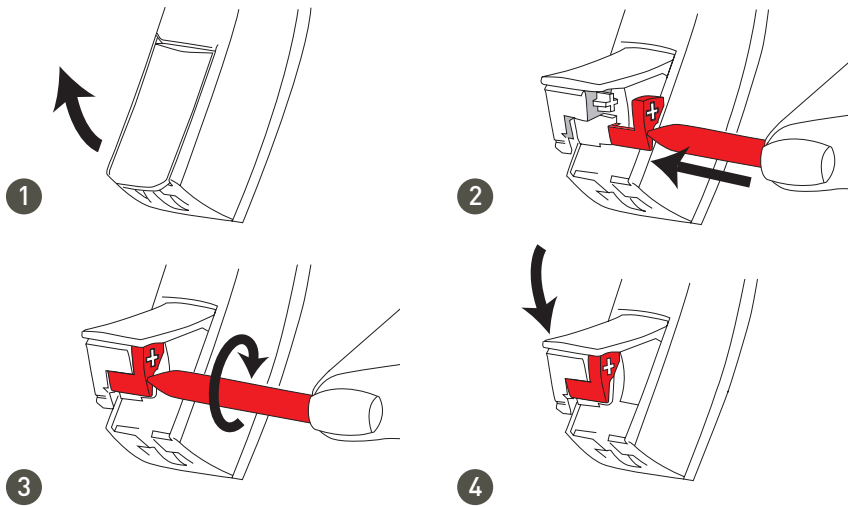


**Note!** If the dome is not pushed all the way onto the tube, it could fall off in the ear canal.



## Installing left and right instrument markers

- 1 Open the battery door of the Pep BTE hearing instrument to expose the receptacle for the Left/Right marker.
- 2 Insert the end of the red (Right) or blue (Left) marker into the slot until it firmly fits as shown.
- 3 Twist and break off the long post of the marker tool, ensuring that the red or blue marker remains in the instrument's opening.
- 4 Close the battery door.





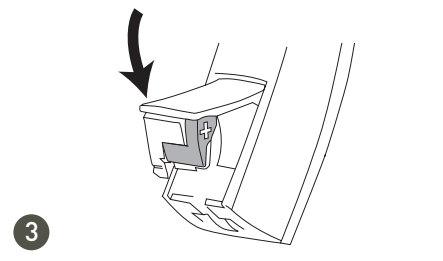
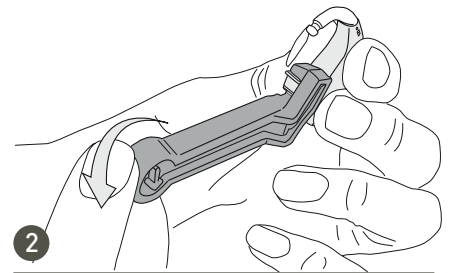
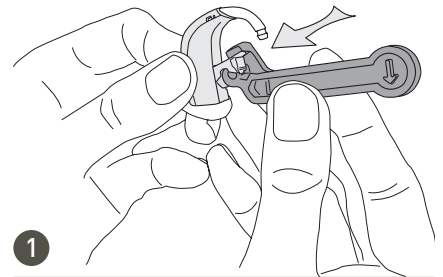


## Replacing the battery door

- 1 Open the battery door and place the battery removal tool as shown in the instruction.
- 2 Gently pull the battery door off.
- 3 Snap the new battery door in place and close.



**Note!** The Pep BTE instruments have an optional tamper resistant battery door that can be ordered separately.



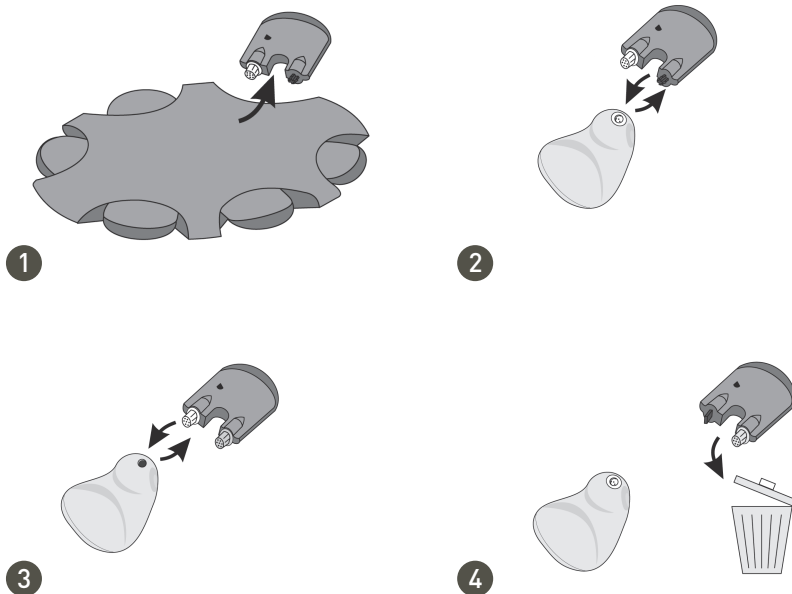


# Pep Custom Hearing Instruments

## Replacing the Wax Guard

All Pep custom models are supplied with the NoWax wax protection system.

- 1 Take a new Removal Tool from the package.
- 2 Insert the removal prong of the tool into the instrument's existing Wax Guard and extract the old Wax Guard.
- 3 Insert the new Wax Guard into the instrument and pull out the Removal Tool.
- 4 Discard the removal tool and old Wax Guard.





## Wind screen for Pep ITC instruments

Locate the microphone opening on the face plate.

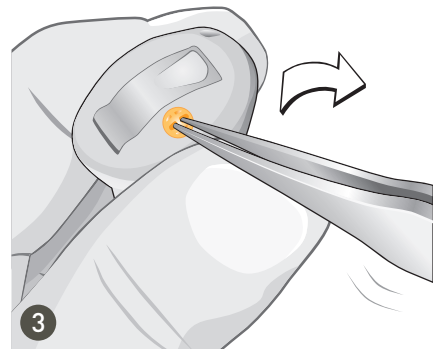
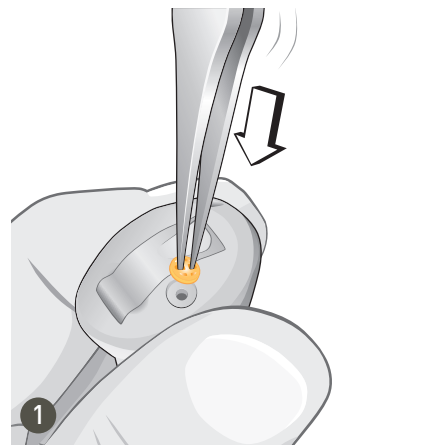
- 1 With the dome side facing up, grasp the wind screen with a pair of tweezers.
- 2 Snap the windscreen into the hole.
- 3 To remove, carefully insert the tweezers into the wind screen and pop it out.



Dome side



Rear side





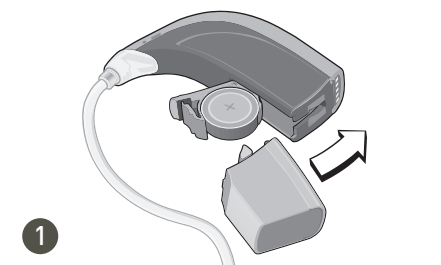
# Programming Pep with EXPRESSfit

Pep can be programmed using EXPRESSfit Fitting Software version 2012.1 or later, and may be used with the EXPRESSlink<sup>3</sup>, NOAHlink, or HI-PRO programming interfaces. The 'New Standard' (no.2) programming cables are required. **A fresh battery (or battery pill adapter for ITCD only) must be inserted into a Pep hearing instrument prior to programming.**

## Attaching programming cables

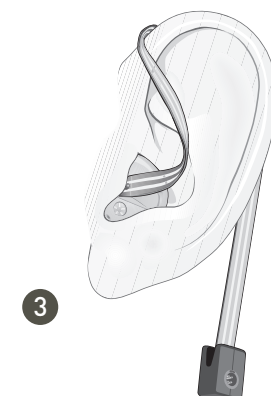
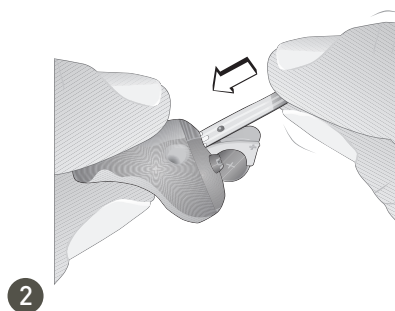
### Pep BTE hearing instruments

- 1 Open the battery door fully and slide the programming adapter into the slot until it lines up with the instrument.
- 2 Close the battery door (with a fresh battery included) again and plug in the cable end into the programming socket as pictured.



### Pep custom hearing instruments

- 1 For Pep ITCD instruments, insert the battery pill with the red indicator pointing to the + sign and close the battery door.
- 2 For Pep ITC and CIC instruments insert a fresh battery. Open the battery door slightly. With the black dot facing up, insert the end of the Flex Strip into the space between the battery door and the hinge until the black dot touches the faceplate. Close the battery door.
- 3 Place the instrument in the client's ear and drape the strip over and behind the ear.





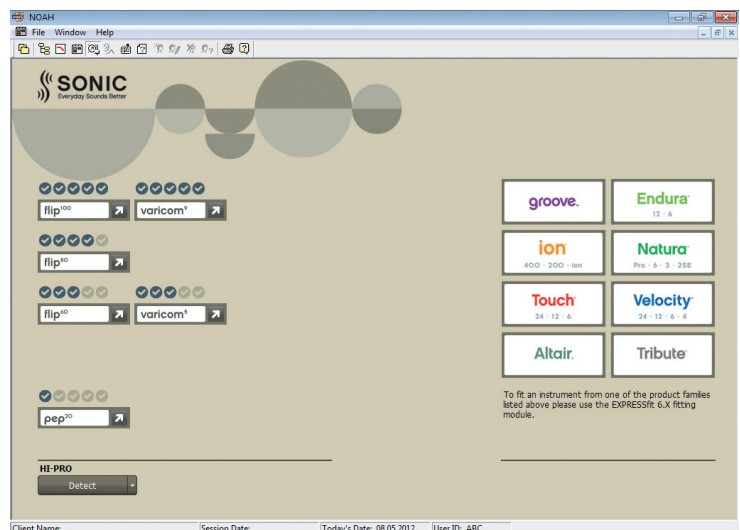
# Programming Pep

## Using the EXPRESSfit Fitting Software

To begin programming Pep instruments, insert a fresh battery and connect programming cables to your EXPRESSlink<sup>3</sup>, HI-PRO, nEARcom, or NOAHlink device. Launch the EXPRESSfit fitting software to proceed.

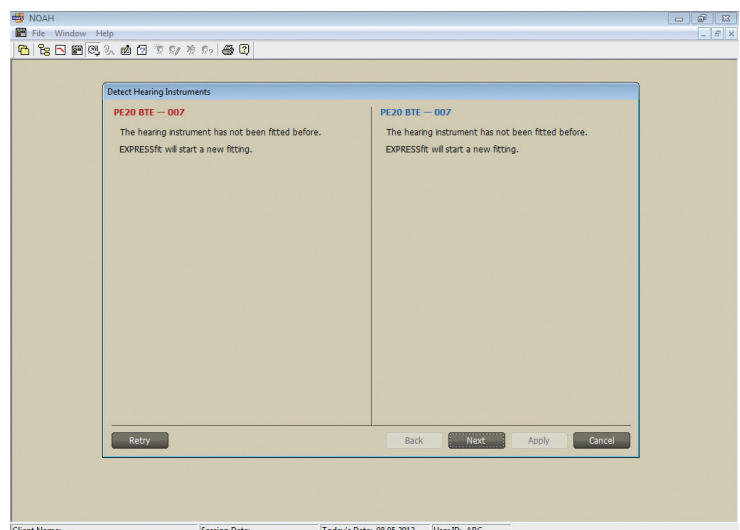
### Open EXPRESSfit

When starting a new fitting, press Detect on the Product Overview screen if instruments are connected, or select an instrument family for simulation.



### Detection

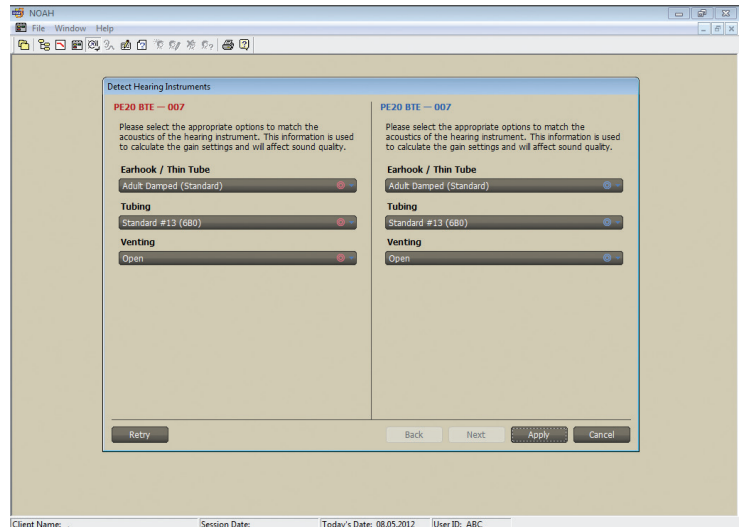
With the instrument detected, follow the prompts to start a new fitting with the hearing instrument.





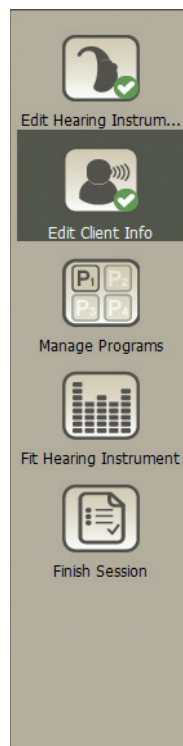
## Acoustics

EXPRESSfit will recommend acoustic options based on the patient's audiogram. You can accept the recommendations by clicking Apply or modify the acoustics by selecting the Thin Tubes or Earhook, and Ear Piece to be used for your patient.



## Navigation Toolbar

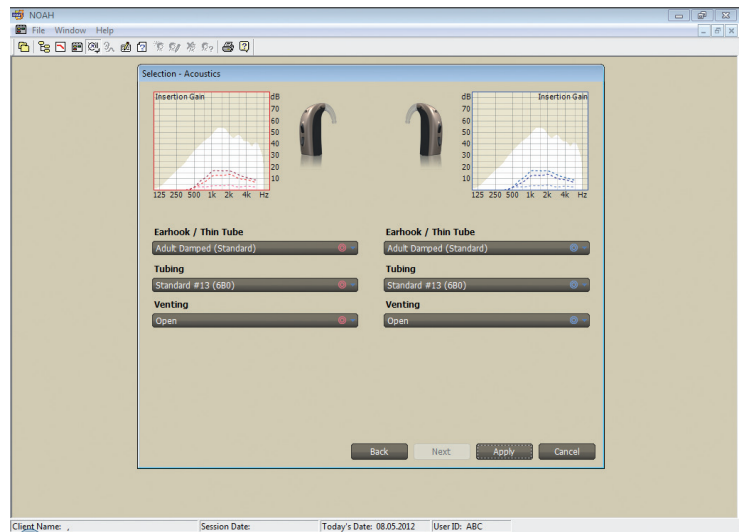
Use the toolbar located on the left side of your screen to navigate through the fitting process. The main screens for each segment will be reviewed in the following pages.





## Edit Hearing Instrument

On the Edit Hearing Instrument screen you can change the acoustics or the selected hearing instrument.





## Edit Client Info

This screen allows you to review and select your patient's personal data, and customize the client experience level and fitting rationales.

The default fitting rationale is Best Fit Fast.

**Personal Data**  
First Name:  
Last Name:  
Gender: ▼  
Date of Birth: 13.03.1939  
Age Group: > 70 years ▼

**Experience Level**  
☒ New User  
☐ Linear User  
☐ Experienced User  
For a new client who has not worn hearing instruments.

**Fitting Rationale**  
☐ NAL-NL1  
☐ DSL [I/o]  
☒ Best Fit Fast  
  
A proprietary non-linear rationale designed to quickly achieve a good fitting result. This rationale emphasizes speech intelligibility while still being comfortable, making it a good choice for most patients

Your patient's audiogram and the selected fitting rationale will determine the gain and frequency response for the Pep fitting. You may also wish to perform In Situ measurements or include additional audiometric data to further customize the fitting. These functions are accessible by clicking on the appropriate tab at the bottom of the screen.

**Personal Data** Audiogram RECD REUG

## Manage Programs

The Manage Programs screen allows you to add, copy, swap, and remove listening programs.

To view or change features, select the appropriate program, then select the Features tab near the bottom of your screen.

The Universal program is available in slot 1 only. P1 Universal and P2 Telephone are set by default.

**NOAH**  
File Window Help  
Edit Hearing Instrum...  
Edit Client Info  
Manage Programs  
Fit Hearing Instrument  
Finish Session

**P1 Universal**  
Select New Program...  
Copy to...  
Swap with...  
Delete  
Comment

**P2 Telephone (MT/MT)**  
Select New Program...  
Copy to...  
Swap with...  
Delete  
Comment

**P3 No Program**  
Select New Program...  
Copy to...  
Swap with...  
Delete  
Comment

**Program Assignment** Features  
P1 Universal P2 Telephone P3 No Program

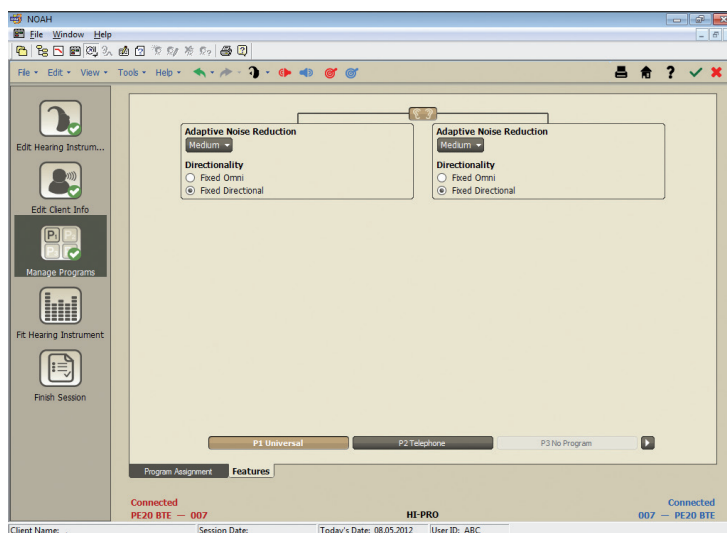
Connected PE20 BTE — 007  
Session Date: Today's Date: 08.05.2012 User ID: ABC  
Connected 007 — PE20 BTE





## Features

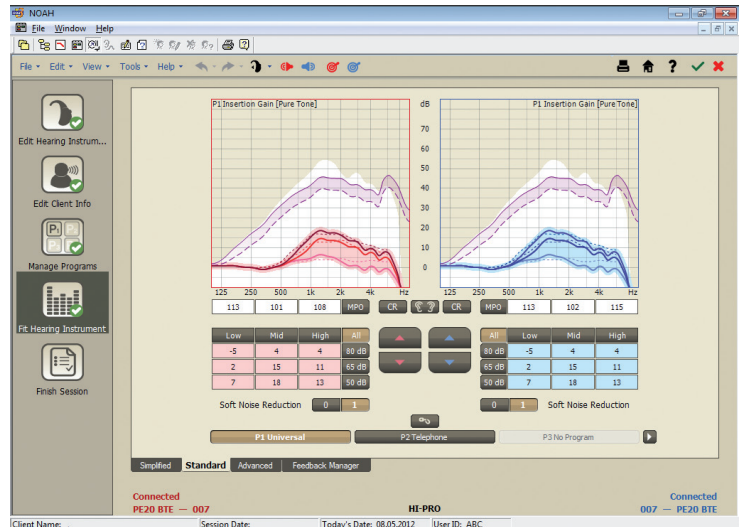
Optimize the features specific to each program on the Features screen. The buttons at the bottom of the screen allow you to easily switch between programs.






## Fit Hearing Instrument

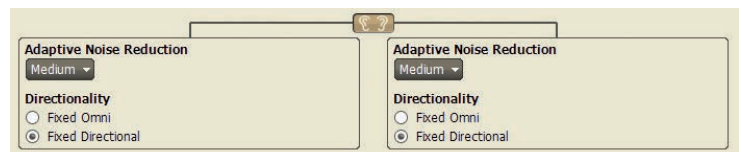
Use the Fit Hearing Instrument screen to make gain adjustments and view the hearing instrument's frequency response relative to prescribed targets. To adjust the levels of fine tuning, click the Simplified, Standard, or Advanced tabs.



Click the  icon to select whether these changes are made for a single program or for all listening programs.

You may also measure the feedback margin by clicking the Feedback Manager tab near the bottom of your screen.

Click Measure and follow the prompts to complete measurements for one or both ears.

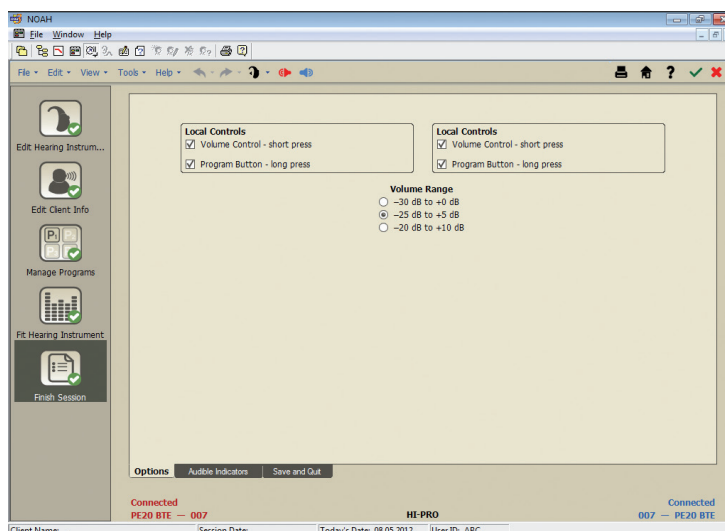




## Finish Session

### Options

In this section you will find access to all local controls, including volume control range configurations and program selector settings.

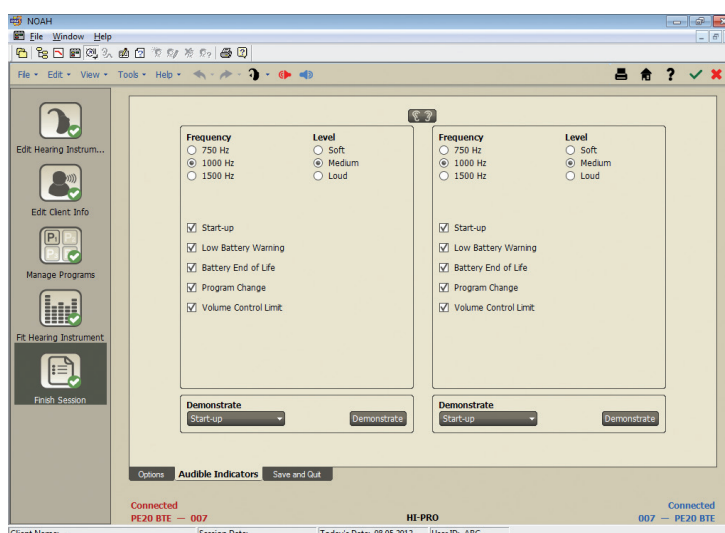


### Audible Indicators

Select and demonstrate audible indicators on this screen. The frequency and level of these tones can be customized for better recognition.

### Save and Quit

Review program and feature settings, and save your session here. There is also space available for optional comments on this screen.





## Ordering Information

### Thin Tubes 0.9 mm

Product	Quantity per packaging	Order reference number
Thin Tube 0.9, 0L, Spira Flex	5	589-25-070-00
Thin Tube 0.9, 0R, Spira Flex	5	589-25-060-00
Thin Tube 0.9, 1L, Spira Flex	5	589-25-071-00
Thin Tube 0.9, 1R, Spira Flex	5	589-25-061-00
Thin Tube 0.9, 2L, Spira Flex	5	589-25-072-00
Thin Tube 0.9, 2R, Spira Flex	5	589-25-062-00
Thin Tube 0.9, 3L, Spira Flex	5	589-25-073-00
Thin Tube 0.9, 3R, Spira Flex	5	589-25-063-00

### Thin Tubes 1.3 mm

Product	Quantity per packaging	Order reference number
Thin Tube 1.3, 0L, Spira Flex	5	589-25-090-00
Thin Tube 1.3, 0R, Spira Flex	5	589-25-080-00
Thin Tube 1.3, 1L, Spira Flex	5	589-25-091-00
Thin Tube 1.3, 1R, Spira Flex	5	589-25-081-00
Thin Tube 1.3, 2L, Spira Flex	5	589-25-092-00
Thin Tube 1.3, 2R, Spira Flex	5	589-25-082-00
Thin Tube 1.3, 3L, Spira Flex	5	589-25-093-00
Thin Tube 1.3, 3R, Spira Flex	5	589-25-083-00

### BTE Earhooks and Thin Tube Adapters

Product	Quantity per packaging	Order reference number
BTE Thin Tube adapter #3	10	589-25-160-00
BTE earhook	10	571-01-130-00
BTE earhook, child	1	105116



## Ordering Information

### Thin Tube Domes

Product	Quantity per packaging	Order reference number
Dome, Open, 6 mm	10	570-07-410-00
Dome, Open, 8 mm	10	570-07-411-00
Dome, Open, 10 mm	10	570-07-412-00
Dome, Tulip	10	589-25-100-00
Dome, Large Vent, 8 mm	10	123310
Dome, Large Vent, 10 mm	10	123311
Dome, Large Vent, 12 mm	10	123312
Dome, Small Vent, 8 mm	10	123307
Dome, Small Vent, 10 mm	10	123308
Dome, Small Vent, 12 mm	10	123309
Dome, Power, 6 mm	10	123293
Dome, Power, 8 mm	10	123305
Dome, Power, 10 mm	10	123306

### Programming Cables

Product	Quantity per packaging	Order reference number
Programming cable, No. 2 New Standard (HI-PRO) Blue, left	1	120900
Programming cable, No. 2 New Standard (HI-PRO) Red, right	1	120902
Programming cable, No. 2 New Standard (NoahLink) Blue, left	1	3003388
Programming cable, No. 2 New Standard (NoahLink) Red, right	1	3003387

### Programming Adapters

Product	Quantity per packaging	Order reference number
Programming adapter for BTE models	1	399-50-640-00
Programming adapter for ITCD models	1	390-01-040-00
Flex Strip/Flex Connect for ITC and CIC models	1	390-01-180-05



## Ordering Information

### DAI/FM Adapters

Product	Quantity per packaging	Order reference number
DAI adapter	1	399-50-522-00
FM adapter	1	399-50-591-00

### Tools

Product	Quantity per packaging	Order reference number
Disassembly tool for lock pin	1	890-22-270-00
Battery door removal tool for BTE instruments	1	101484
Measurement Tool for selecting the Thin Tube length	1	890-21-222-00
NoWax System	10 discs with 6 filters each	689-30-302-08

### Wind Screens

Product	Quantity per packaging	Order reference number
Wind screen for ITC instruments, beige, BE	25	543-09-020-00
Wind screen for ITC instruments, light brown, LB	25	543-09-021-00
Wind screen for ITC instruments, medium brown, MB	25	543-09-022-00
Wind screen for ITC instruments, dark brown, DB	25	543-09-023-00



