



1

## Learner Outcomes

- After this session, participants will be able to do the following things
  - Program Sonic hearing aids on the EXPRESSfit® Pro 2020.1 software platform
  - Perform a first fit of Sonic hearing instruments using EXPRESSfit® Pro 2020.1
  - Install EXPRESSfit® Pro 2020.1 fitting software

[www.sonicl.com](http://www.sonicl.com)

2

## New! in EXPRESSfit® Pro 2020.1

- Support for new Captivate products:
  - 2 new technology levels
    - Captivate 40 | 20



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3

## Software Installation

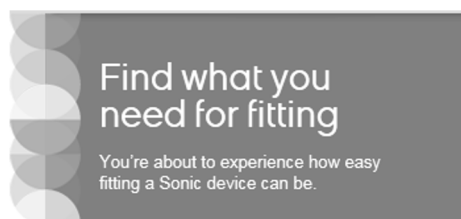
[www.sonici.com](http://www.sonici.com)



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## Website Download

- Download and install from the website:
  - [www.sonici.com](http://www.sonici.com)
    - Go to Professional Center



[www.sonici.com](http://www.sonici.com)



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## Thumb Drive Installation



- If prompted, choose “open files and folders” or
- Choose “CD Drive (D:) EXPRESSfit”
- Click on “set up”

[www.sonici.com](http://www.sonici.com)



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## Sonic Software Updater

- Open in task bar or All Programs
  - Cannot be opened from EXPRESSfit® Pro
- Downloads in the background
- OK to turn off PC, download will resume when powered up again
- Install prompt will appear when download completes
- Download is deleted after install

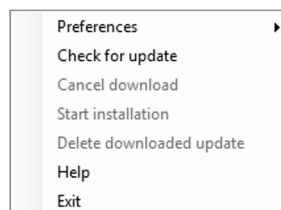
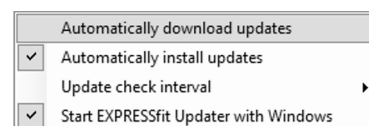
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## Sonic Software Updater

- Changing the settings of the updater
  - Automatically download updates
  - Automatically install updates
  - Check for interval updates
  - Cancel, install and delete download from this menu

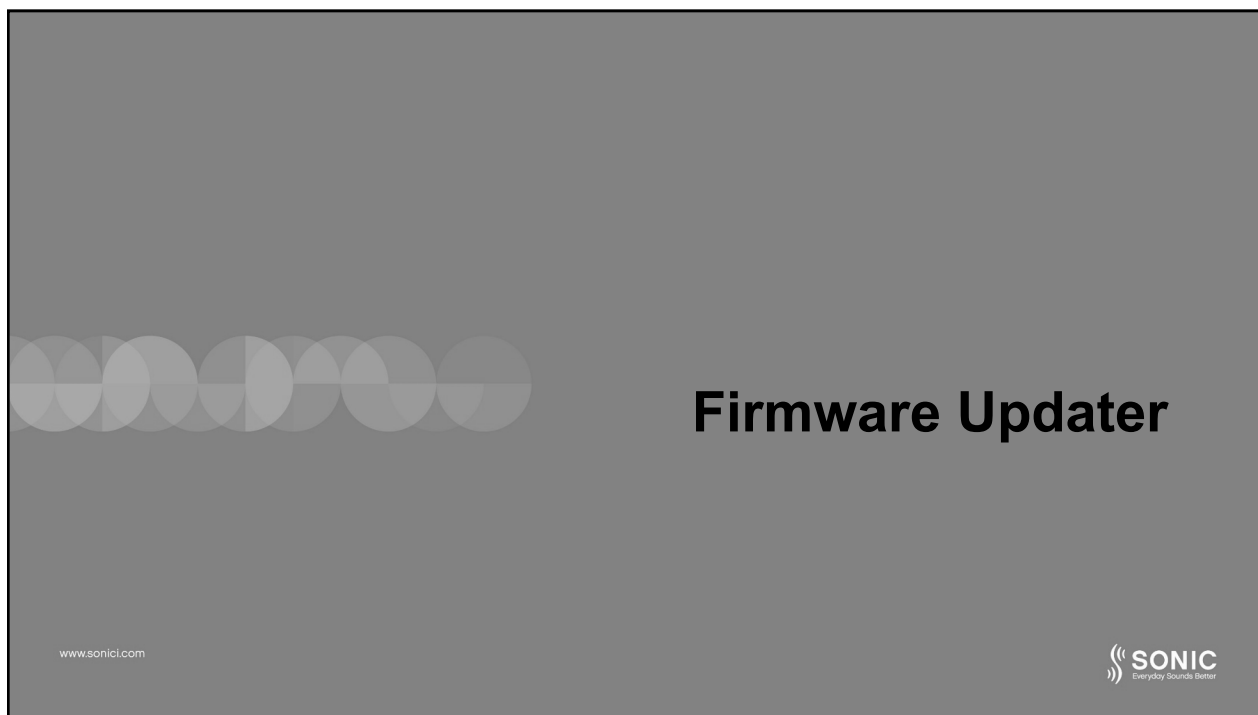


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## Firmware Updater – What Is It?

- Updates hearing instruments and accessories with
  - New features
  - Security updates
  - Fixes so repairs can be made in the clinic



A 3D graphic showing the word "UPDATE" in large, bold, gray letters. A computer mouse is positioned to the right of the word, with its cord looping around the base of the letters, suggesting a click or action to update.

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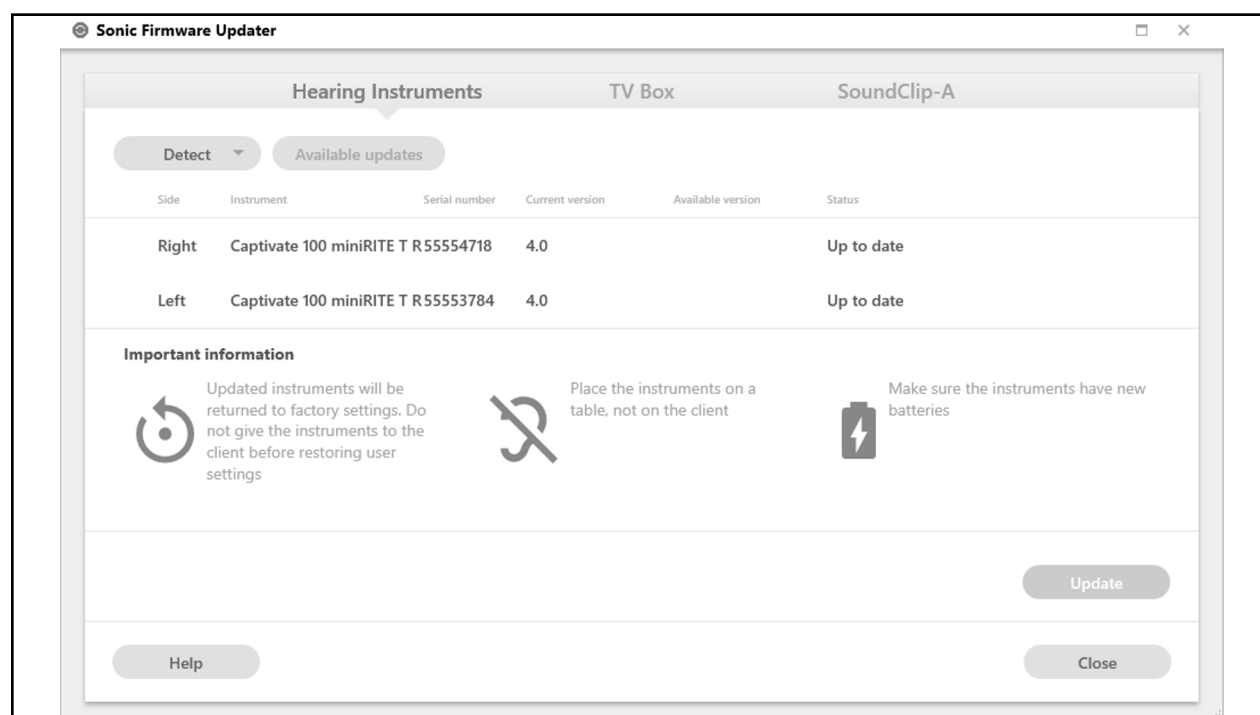
## Firmware Updater - Caveats

- Firmware updates require that instruments are hardwired (HiPro 2 or EXPRESSlink 3 recommended)
- Always use fresh batteries
- After firmware update is complete
  - patient settings must be restored
  - New 'Instructions for Use' booklet must be provided to the patient

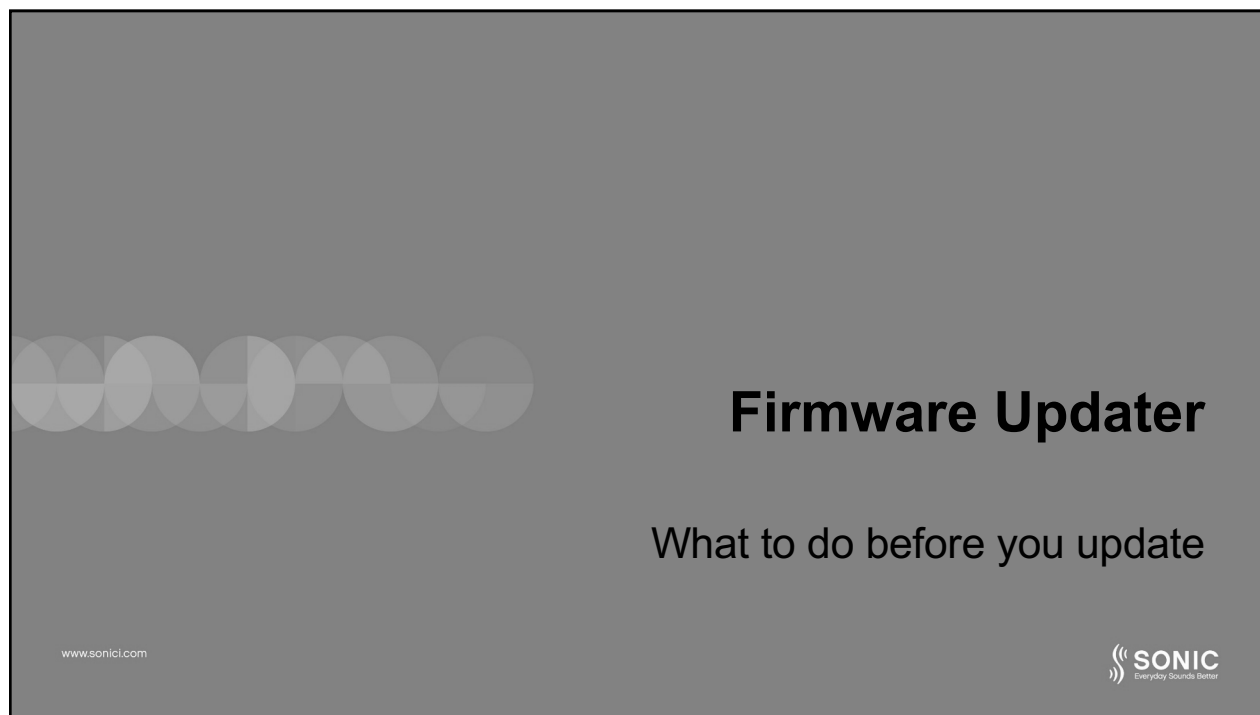
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## Before You Update

- The following scenarios must be met
  - Computer is online
  - Use a hardwire connection
    - Captivate miniRITE T R requires red pin removal tool to open battery drawer for hardwire connection
  - Use fresh/fully charged batteries
    - Ensure > 11% charge for the Captivate miniRITE T R
  - It is recommended that programming is saved before doing a firmware update

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# Removal Tool for MNR T R



Tools needed: Service tool (red),  
part no: 890-22-2270-00



Look for the battery drawer  
release hole on the bottom of the  
instrument.



Insert the service tool in the  
battery drawer release hole to  
open the battery drawer.



The battery drawer has been  
released.

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## Firmware Updater

What to do after you update

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## After You Update

- You Must Restore Patient Settings!!!
  - Updated instruments are returned to factory settings after update
  - Read instruments in EXPRESSfit® Pro directly after update, choose 'use session data' when prompted to restore user settings
  - It is recommended that the hearing instruments are hardwired for restoring session data

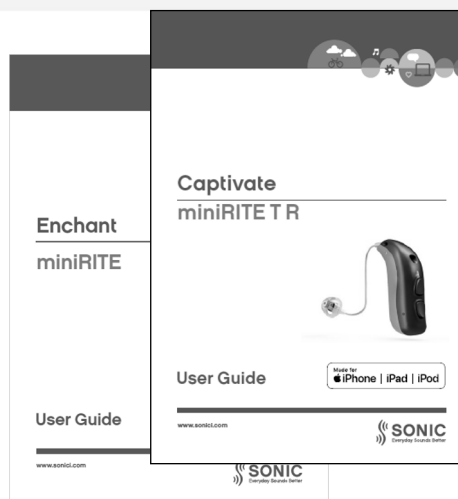
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## After You Update

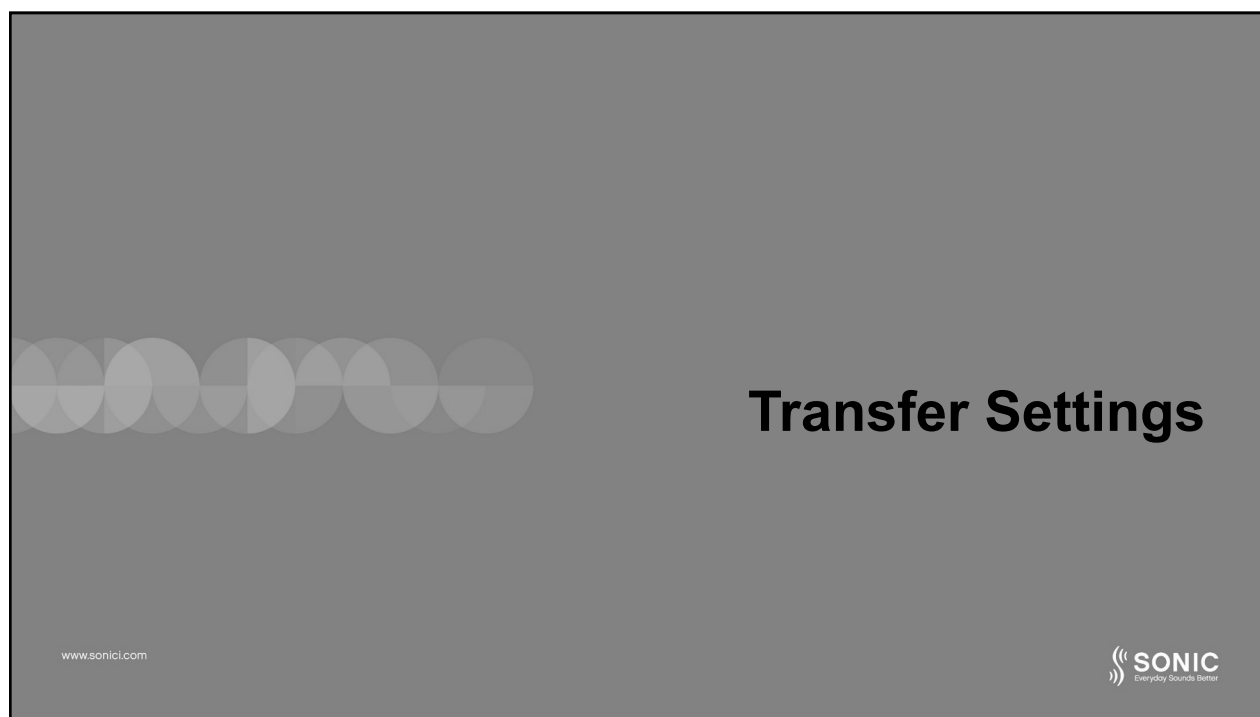
- Provide patient with a new 'Instructions for Use' booklet



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## Transfer Settings

- Transfer settings from one style and/or model of hearing instrument to another on the SoundDNA platform

A diagram illustrating the transfer of settings. It features a small, dark gray, behind-the-ear hearing aid on the left, a large, light gray arrow pointing to the right in the center, and a larger, dark gray, behind-the-ear hearing aid on the right. Both hearing aids are shown from a side profile. The background is white.

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## Transfer Settings

- When you connect an instrument in a patient record that has a saved session from a different style or technology level on the SoundDNA platform, there will be a prompt with an option to use the Transfer Settings tool to transfer patient settings

CV100 MNR T R 85  
5554718

Fitting data conflict  
The current fitting session data differs from the detected instrument settings.  
Choose how to proceed:

☒ Use hearing instrument data  
☐ Start new fitting  
☐ Use session data (Transfer Fitting)

CV100 MNR T R 85  
55553784

Retry Continue Cancel

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## Transfer Settings

- A screen will appear next, explaining what will be transferred and what will be removed and prescribed

### Will be transferred

- All settings available with the same values on source and target instruments

### Will not be transferred

- Feedback measurements
  - In-situ audiometry results
  - Accessories pairing
  - Settings that are not available in the target instruments
  - Settings which cannot be transferred correctly.
- These settings will be set to default, or they will be prescribed**

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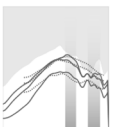
# Transfer Settings


PI Gain and MPO

**Source instruments**



Hook/Thin Tube  
Undamped  
Tubing  
2 mm tube  
Vent  
0.8 mm







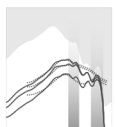
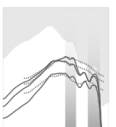
Hook/Thin Tube  
Undamped  
Tubing  
2 mm tube  
Vent  
0.8 mm


Source: Previous instruments saved at 15:41.

**Target instruments**



Hook/Thin Tube  
Und...  
Tubing  
2 m...  
Vent  
Occl...



Hook/Thin Tube  
Und...  
Tubing  
2 m...  
Vent  
Occl...

Source Instruments

Target Instruments

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# Transfer Settings

Summary

**Transferred**

All settings which are available both on source and target instruments, covering:


- Fine Tuning
- Adaptation
- Manage Programs
- Adaptive Feedback Canceller
- Frequency Transfer
- Tinnitus SoundSupport
- Speech Variable Processing
- SmartCompress
- Directionality
- SPIN Noise Reduction
- Impulse Noise Reduction
- Soft Noise Management
- Wind Noise Reduction

**Not transferred**

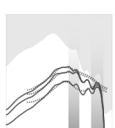
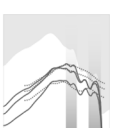
- Feedback measurements
- In-situ audiometry results
- Accessories pairing
- Settings that are not available in the target instruments
- Settings which could not be transferred correctly.


These settings have been set to default, or they have been prescribed

**Target instruments**



Hook/Thin Tube  
Undamped  
Tubing  
2 mm tube  
Vent  
Occluded



Hook/Thin Tube  
Undamped  
Tubing  
2 mm tube  
Vent  
Occluded

After the settings have been successfully transferred, a summary is provided

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## Supported Programming Interfaces

- Hardwire
  - HI-PRO
  - HI-PRO 2
  - USB HI-PRO
  - NOAHlink
  - EXPRESSlink 3

- Wireless
  - FittingLink 3.0
  - NOAHlink wireless

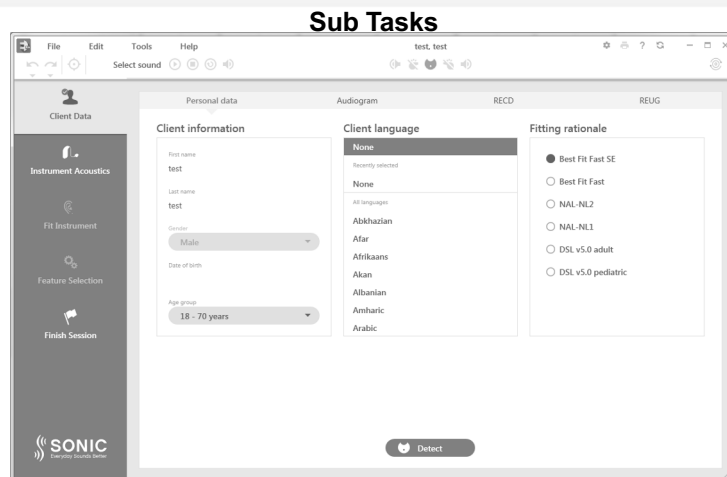
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# Navigating in EXPRESSfit® Pro

## Navigation Steps



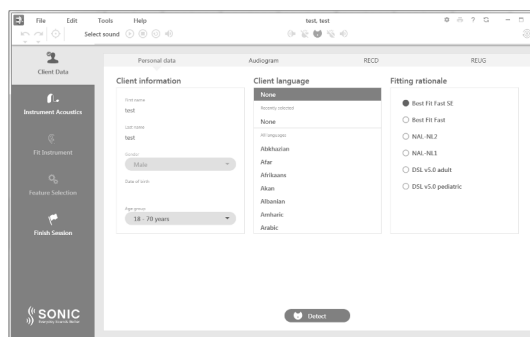
www.sonicl.com



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# Navigating in EXPRESSfit® Pro

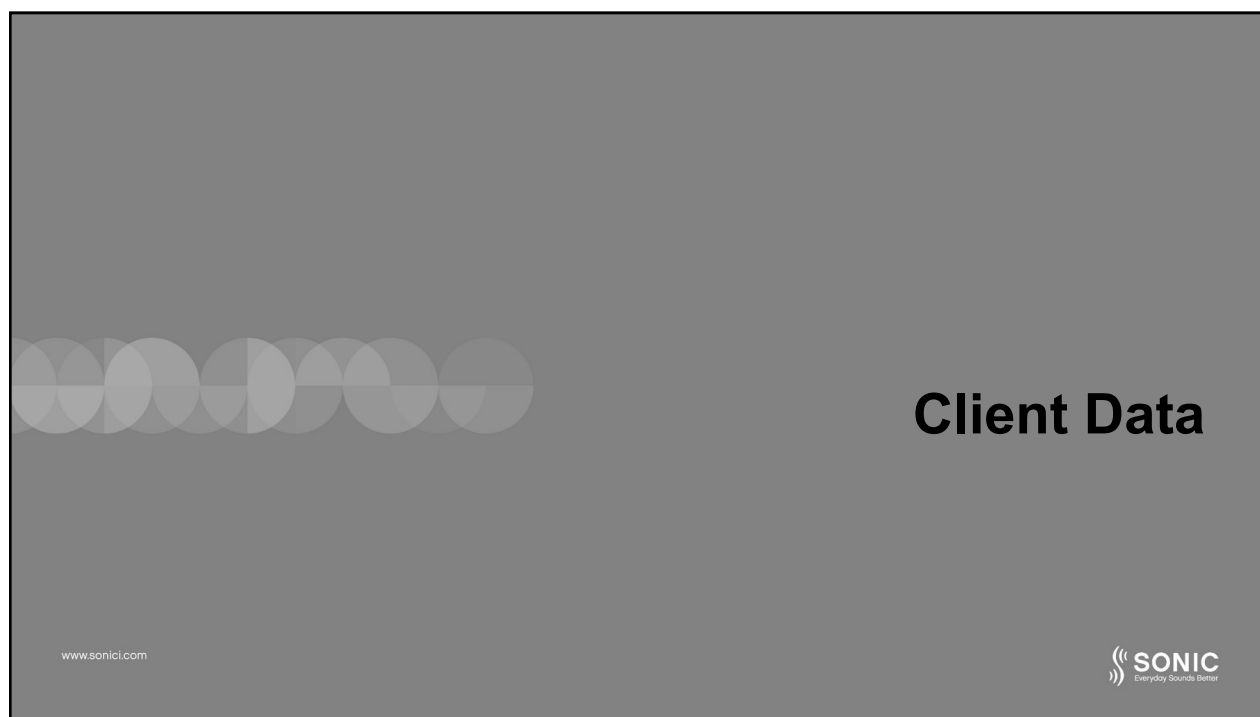
- 5 navigation screens
  - Client Data
  - Instrument Acoustics
  - Fit Instrument
  - Feature Selection
  - Finish Session



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## Client Data

- Check demographic data
  - Add gender and age if needed
- Select appropriate language
- Tabs for Audiogram, RECD and REUG information
- In-Situ Audiometry available (Audiogram)

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# Supported Fitting Algorithms

- **Best Fit Fast**
  - Designed to quickly achieve a good fitting result
  - Emphasizes speech intelligibility while still providing comfort
- **Best Fit Fast SE**
  - Emphasizes speech intelligibility for experienced users
  - Great choice for patients who prefer fittings with more gain

## Fitting Rationale

- ☒ Best Fit Fast
- ☐ Best Fit Fast SE
- ☐ NAL-NL1
- ☐ NAL-NL2
- ☐ DSL [i/o]
- ☐ DSL 5 Adult
- ☐ DSL 5 Child

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## Instrument Acoustics

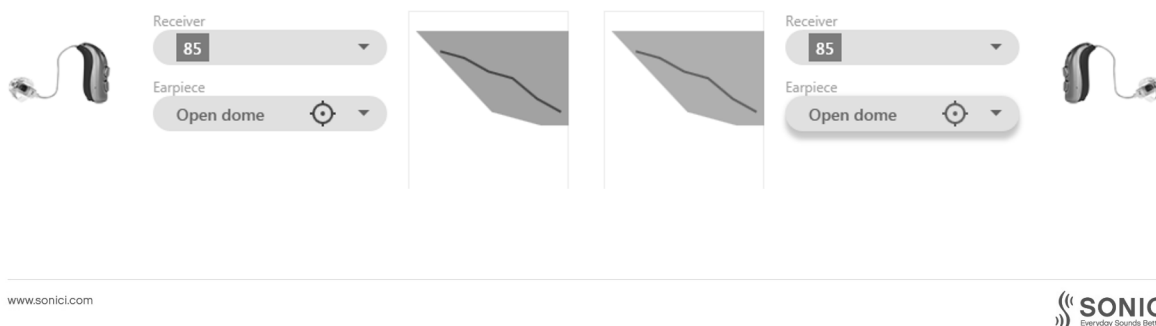
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# Instrument Acoustics

- Set Acoustics
  - Drop down menu
  - Includes customizable Fitting Range graphs



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# Instrument Acoustics - Simulate

## Family

Captivate 100  
 Captivate 80  
 Captivate 60  
 Captivate 40  
 Captivate 20  
 Enchant 100  
 Enchant 80  
 Enchant 60  
 Enchant 40  
 Enchant 20

} New in 2020.1!

## Style

CV20 B 105  
 CV20 MNR T  
 CV20 MNR  
 CV20 MNR T R

## Styles:

miniRITE  
 miniRITE T  
 miniRITE T R  
 BTE 105  
 SP/UP

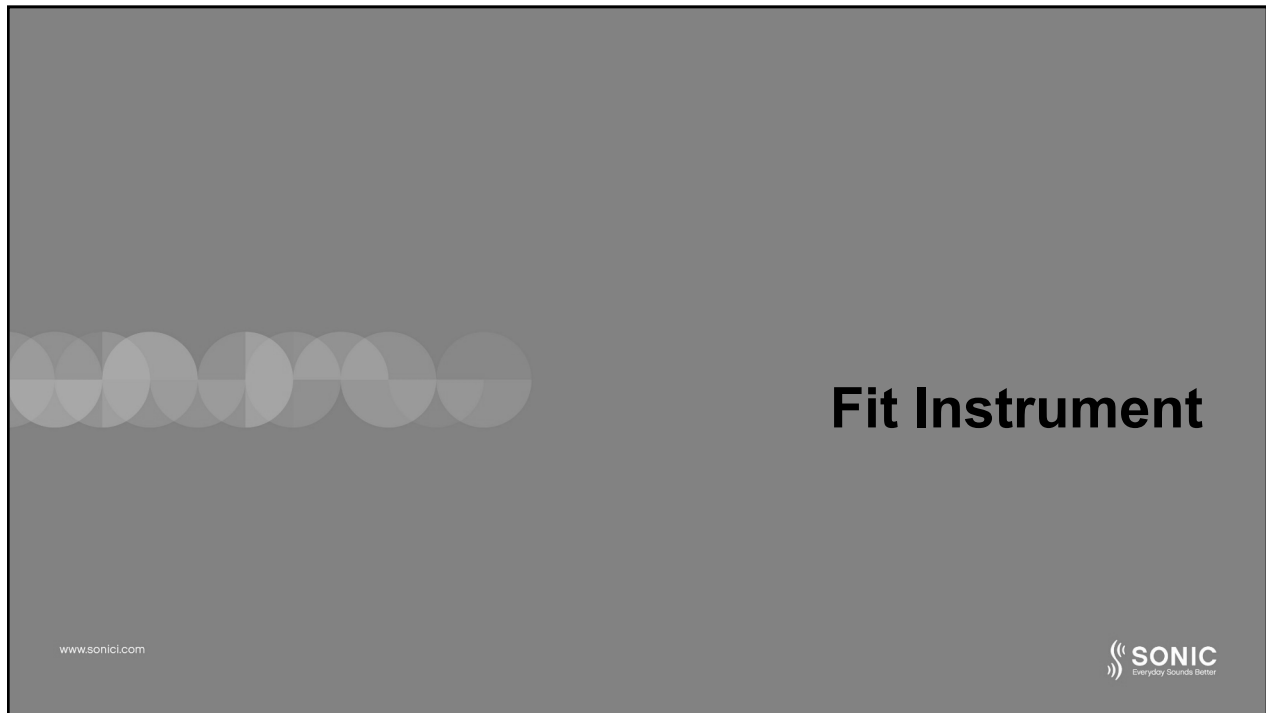
## Customs

- ITE FS
- ITE HS
- ITC
- CIC
- IIC

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## Fit Instrument

- Adaptation Manager
- Fine Tuning
- Programs
- FB Manager
- Frequency Transfer
- Tinnitus SoundSupport

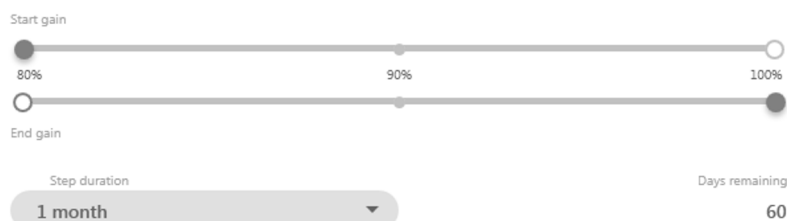
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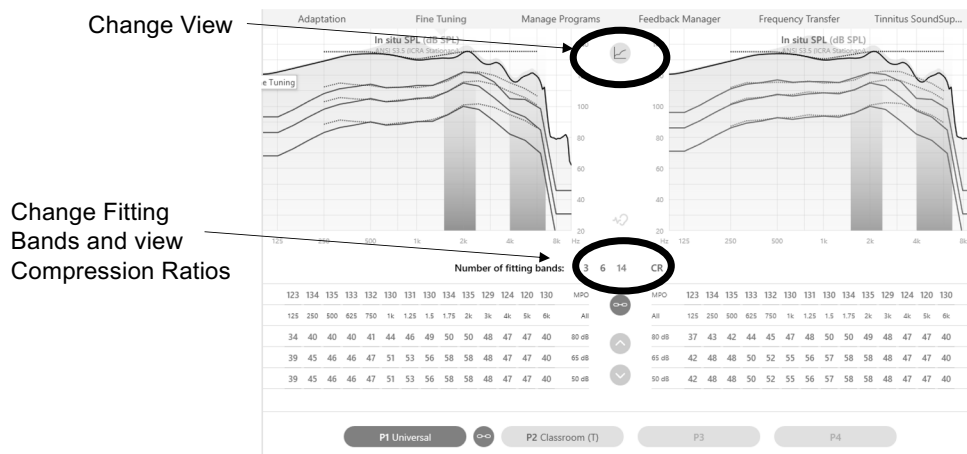
# Adaptation Manager

- Automatic or manual gain increases
  - 80% - 90% - 100%
- Duration of automatic increase:
  - One week to 4 months



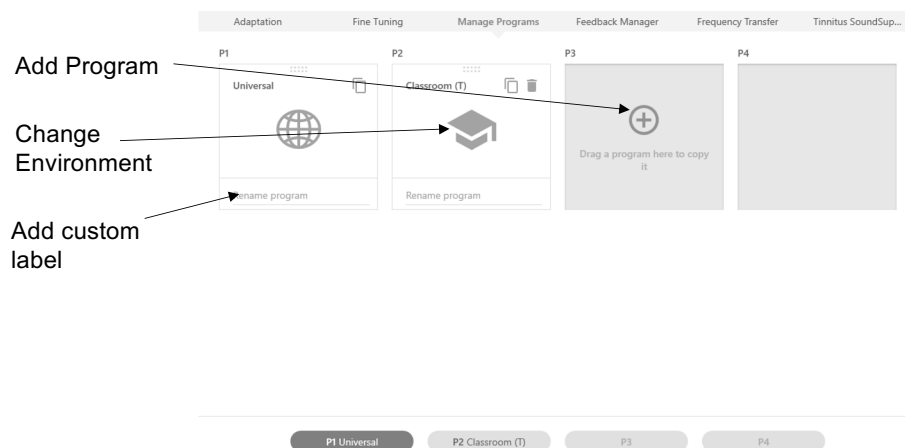
37

# Fine Tuning



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# Programs

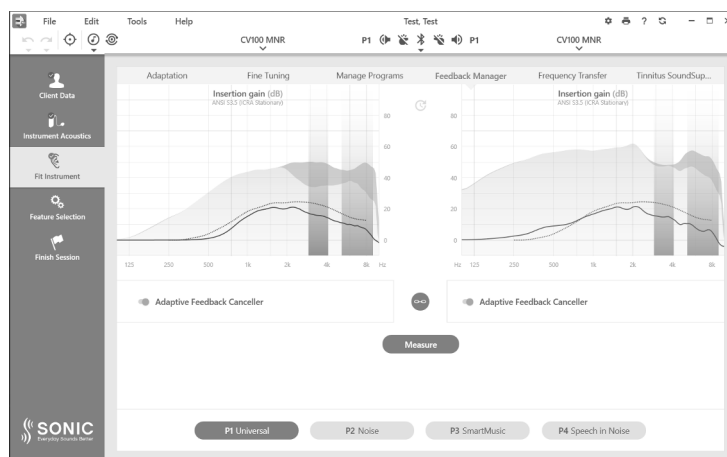


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# Feedback Manager



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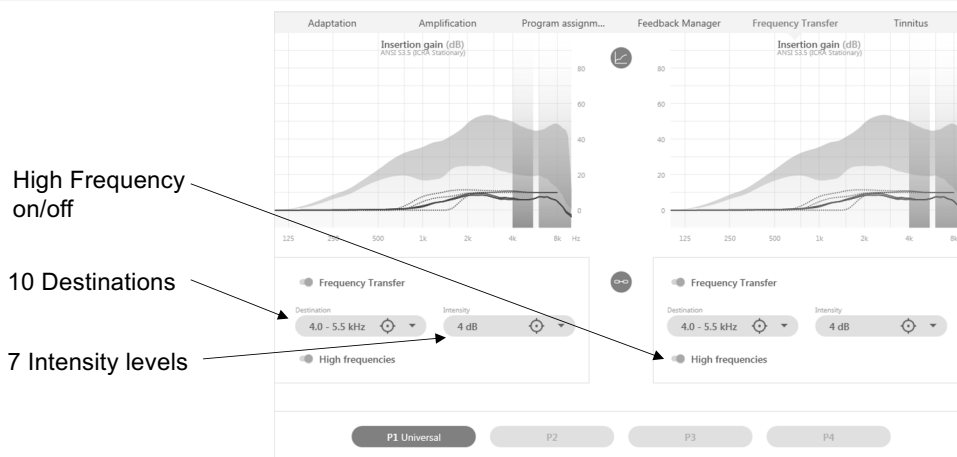
**Adaptive  
Feedback  
Canceller PRO**

**\*Available in all  
technology  
levels, Captivate  
and Trek**

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# Frequency Transfer

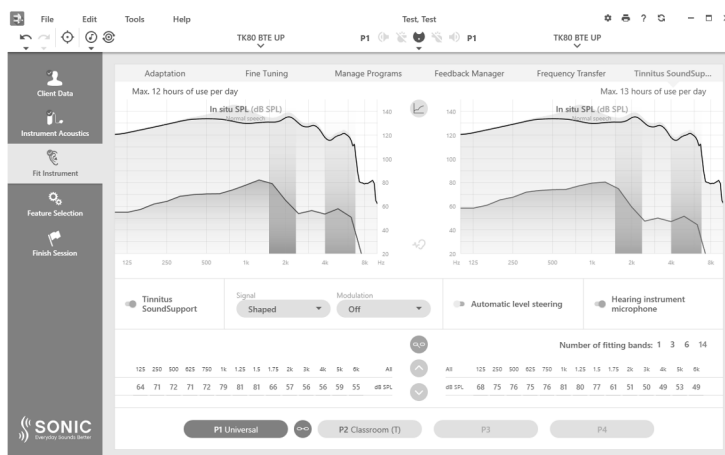


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# Tinnitus Sound Support

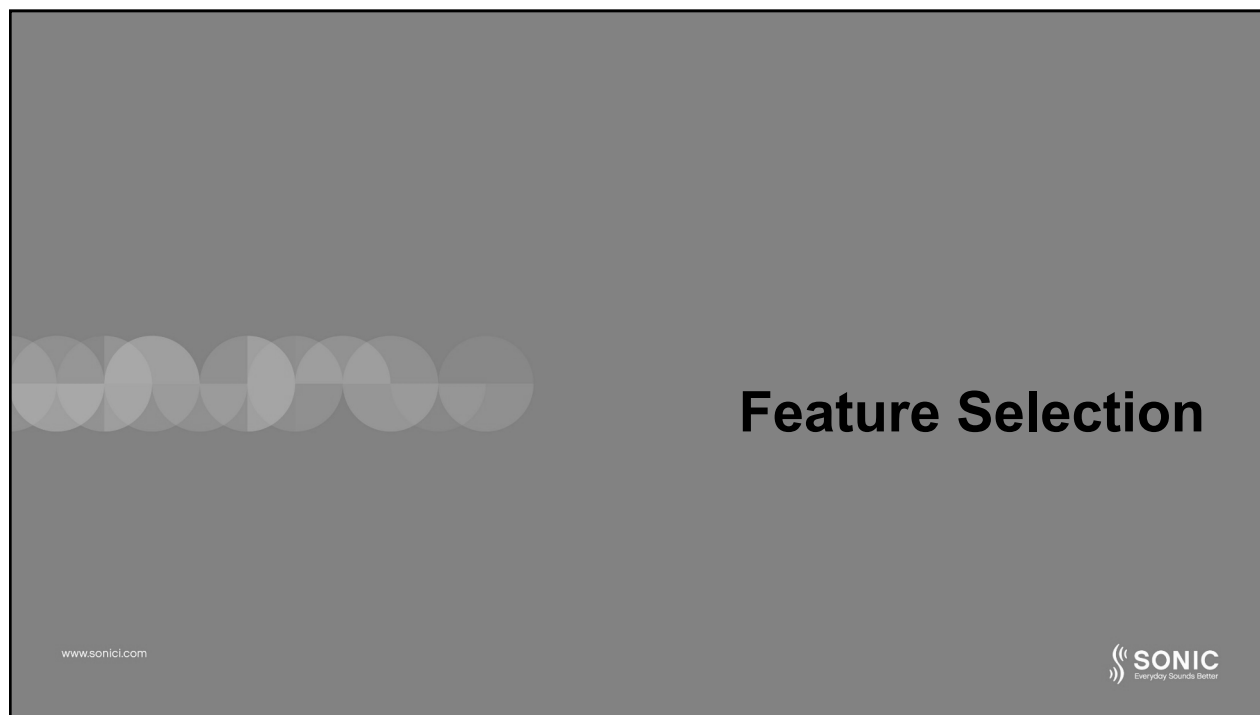


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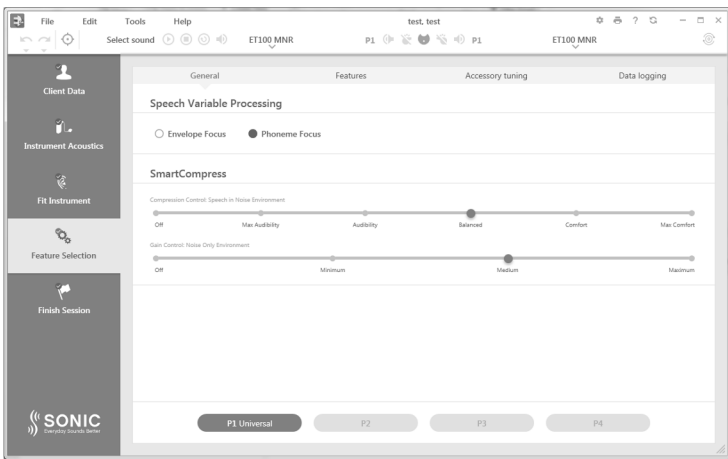
- Adjust Tinnitus signal:
  - White Noise, Pink Noise etc...
- Add modulation
- Add automatic level steering
  - Level of signal adjusts base on environment
- Turn off Hearing Aid microphone

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## Feature Selection - General



**Speech Variable Processing**

- Envelope Focus
- Phoneme Focus

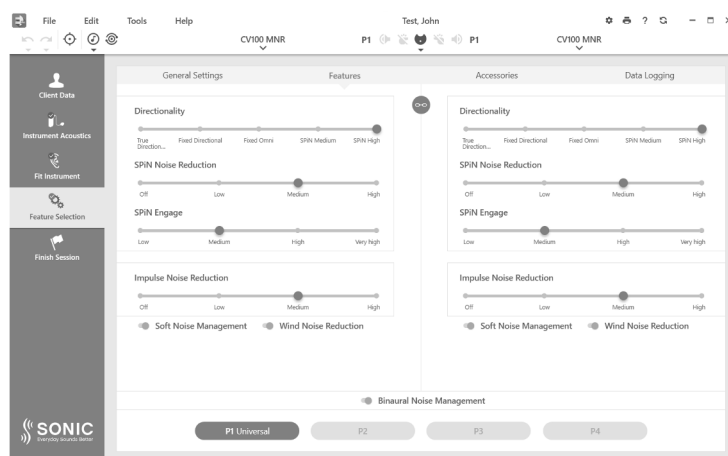
**SmartCompress**

- Compression Control
- Gain Control

The screenshot shows the SONIC software interface. On the left is a vertical sidebar with icons for Client Data, Instrument Acoustics, Fit Instrument, Feature Selection (highlighted), and Finish Session. The main window has a menu bar (File, Edit, Tools, Help) and a toolbar. Below the toolbar are tabs for General, Features, Accessory tuning, and Data logging. The General tab is active, showing the Speech Variable Processing section with radio buttons for Envelope Focus and Phoneme Focus (selected). Below this is the SmartCompress section with two sliders: "Compression Control: Speech in Noise Environment" (set to Balanced) and "Gain Control: Noise Only Environment" (set to Medium). At the bottom of the window are four buttons labeled P1 Universal, P2, P3, and P4.

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# Feature Selection – Features



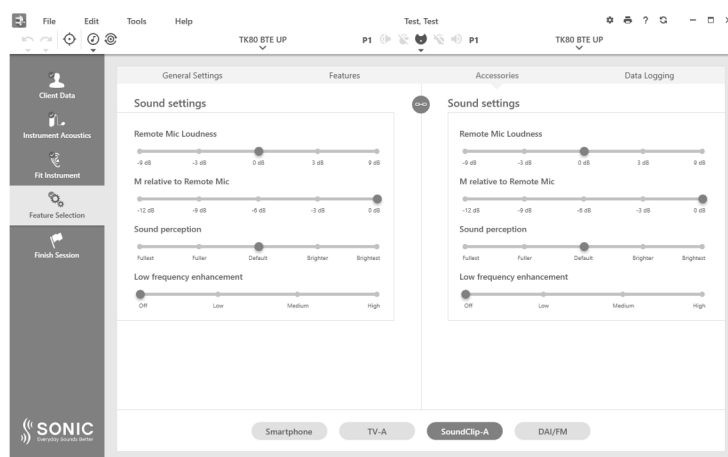
Directionality  
SPiN Noise Reduction  
SPiN Engage  
Impulse Noise Reduction  
Soft Noise Management  
Wind Noise Reduction

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# Feature Selection - Accessories



Sound Settings  
Remote Mic Loudness  
Mic relative to Remote Mic  
Sound Quality  
Low Frequency Enhancement

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## Finish Session – General Controls

Volume Control  
Program Change  
Mute

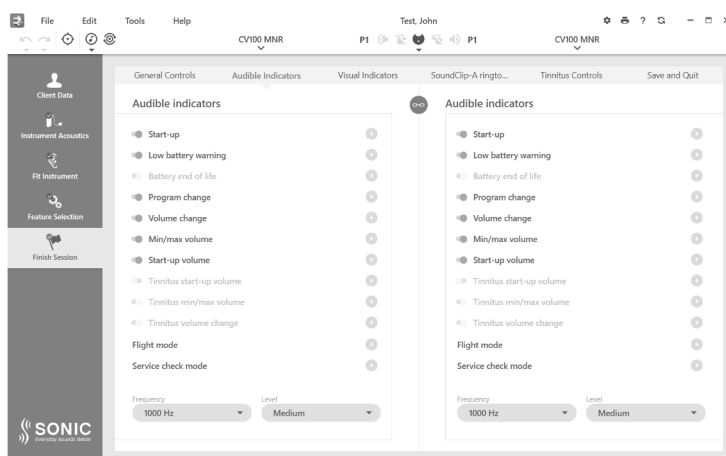
VC step size and VC range adjustments (Trek only)

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## Finish Session – Audible Indicators



Demonstrate  
Audible Indicators  
Change Frequency  
Change Level

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## Finish Session – Visual Indicators

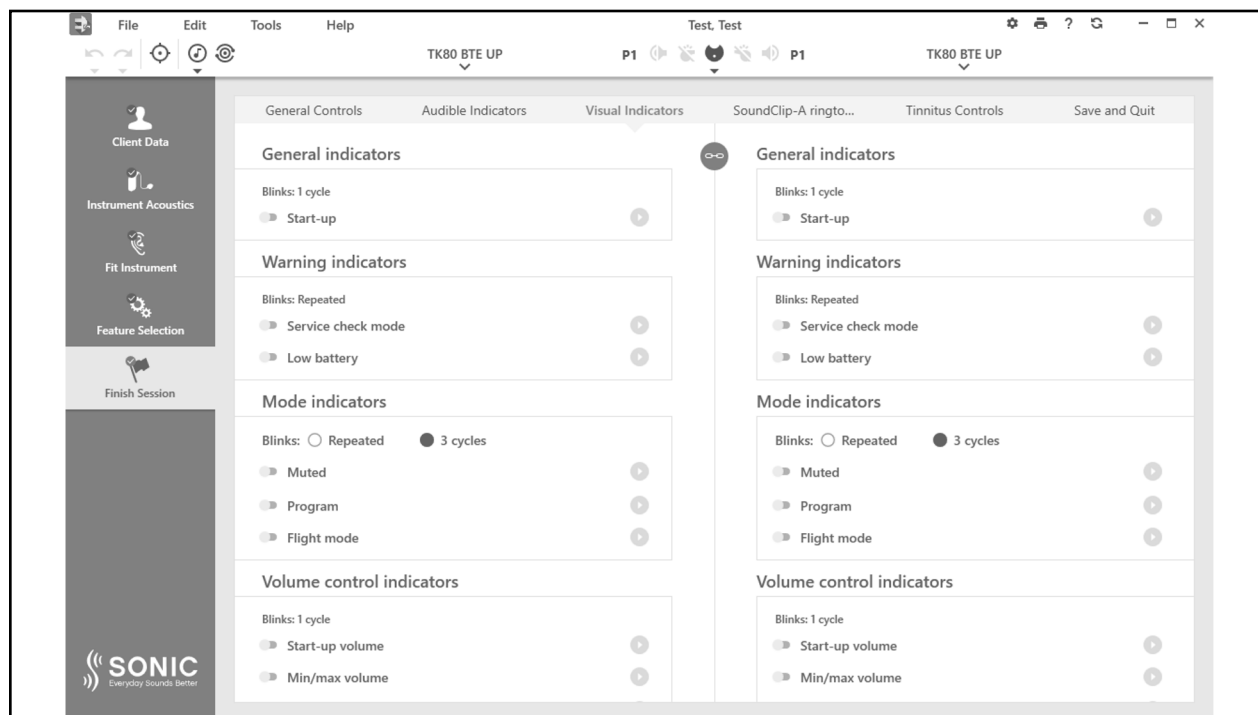
- Visual indicators are available for the following styles
  - Captivate miniRITE T R
  - Trek SP | UP



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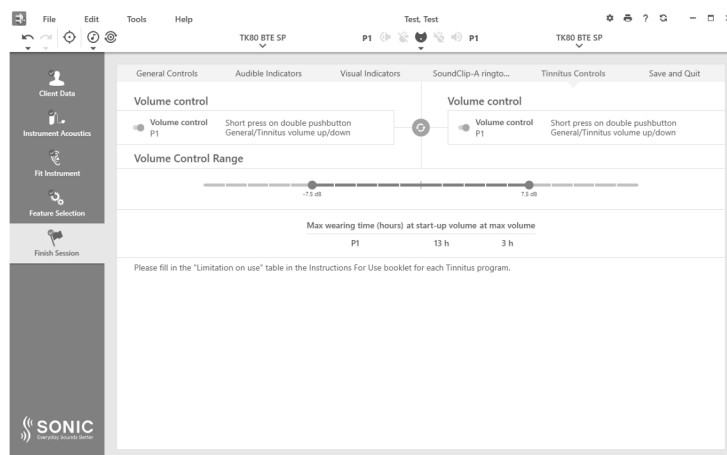
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## Finish Session – Tinnitus Controls



Enable Tinnitus  
Volume Control  
Set Range  
Get Maximum  
Wearing Time data

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# Battery Status

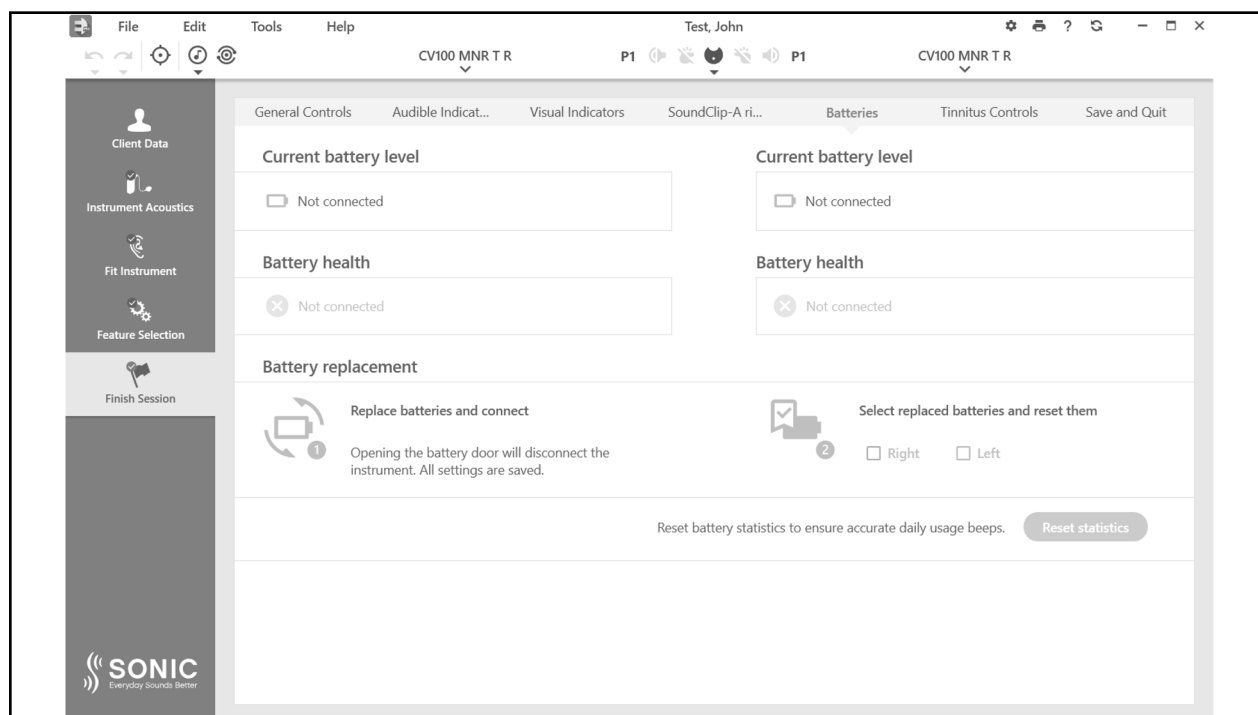
- The battery status screen is available for the Captivate miniRITE T R
- Battery Status
  - Battery Level
  - Battery Health




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# First Fit Protocol

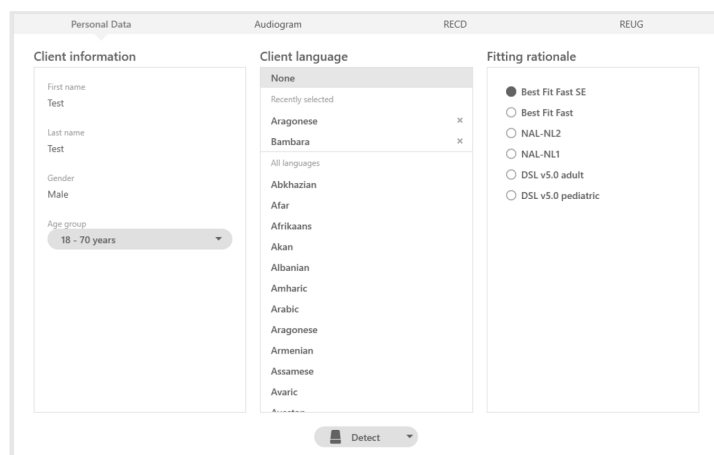
7 steps to success

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## Step 1 – Edit Client Info



Ensure fields are completed

- Age
- Gender
- Client language
- Fitting rationale

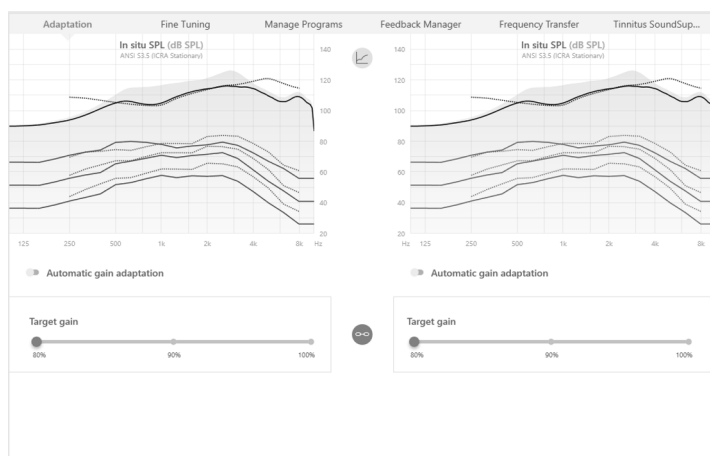
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## Step 2 – Adaptation Manager



Defaults to 80% of target gain

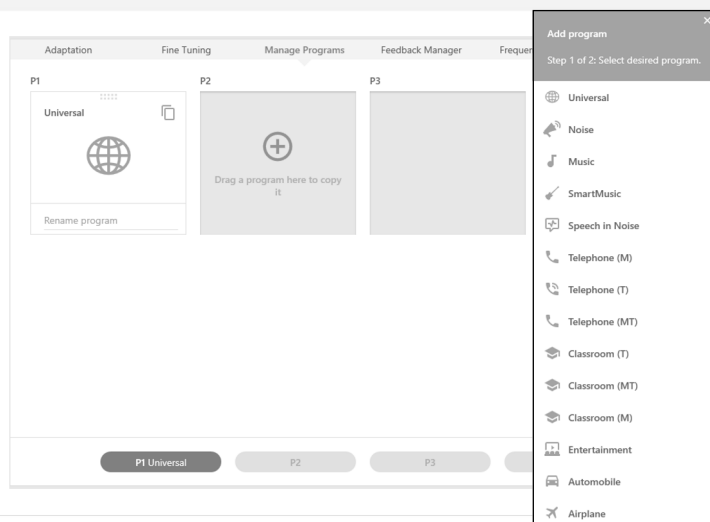
- 80% recommended for new user
- 90% or 100% recommended for experienced user

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## Step 3 - Program Manager



Additional programs can be added, if desired

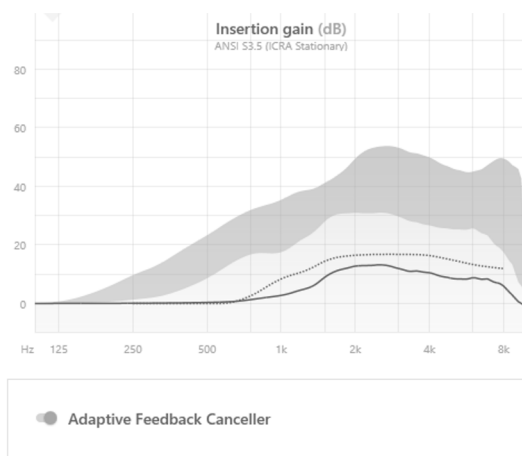
Choose from a long list programs, based on your patient's needs

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## Step 4 – Run Feedback Manager



Ensures device, fit and acoustics are appropriate for the patient's gain needs

Click Measure and follow the on-screen instructions

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## Step 5 – Set Initial Overall Gain

- Real ear measurements
- OR-
- Paper crinkle test
  - Goal is to reach the loudest level where paper still sounds like paper
  - Recommend not to exceed 4 increases (8dB) at first fit



Give patient a piece of paper and ask them to crinkle it

Ask, "Does the paper sound like paper, plastic or foil?"

- If sounds like paper, increase overall volume 2 dB
- If sounds like plastic/foil, decrease overall volume 2 dB

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## Step 6 – Adjust For Own Voice

- Important to ensure amplification acceptance and retention
- Accepting their own voice is instrumental in successful first fit

Resolve issues in this order

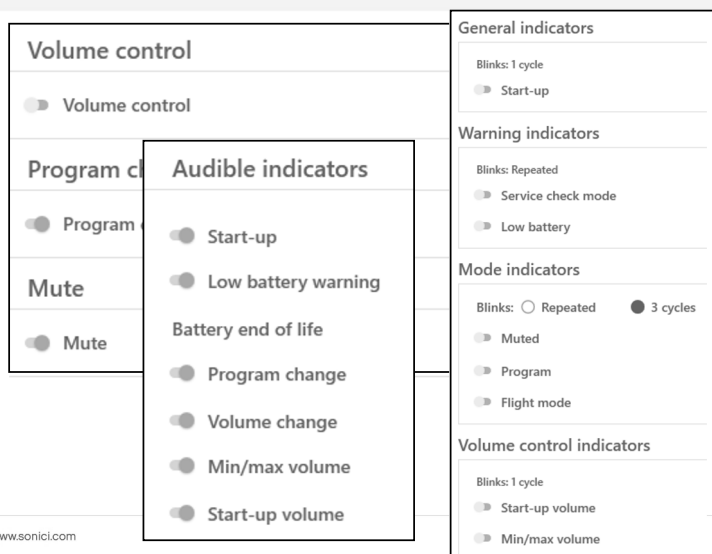
- Volume
- Position
- Occlusion
- Quality

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## Step 7 – Finish Session



Set VC and Push Button option

Demonstrate Audible and Visual indicators

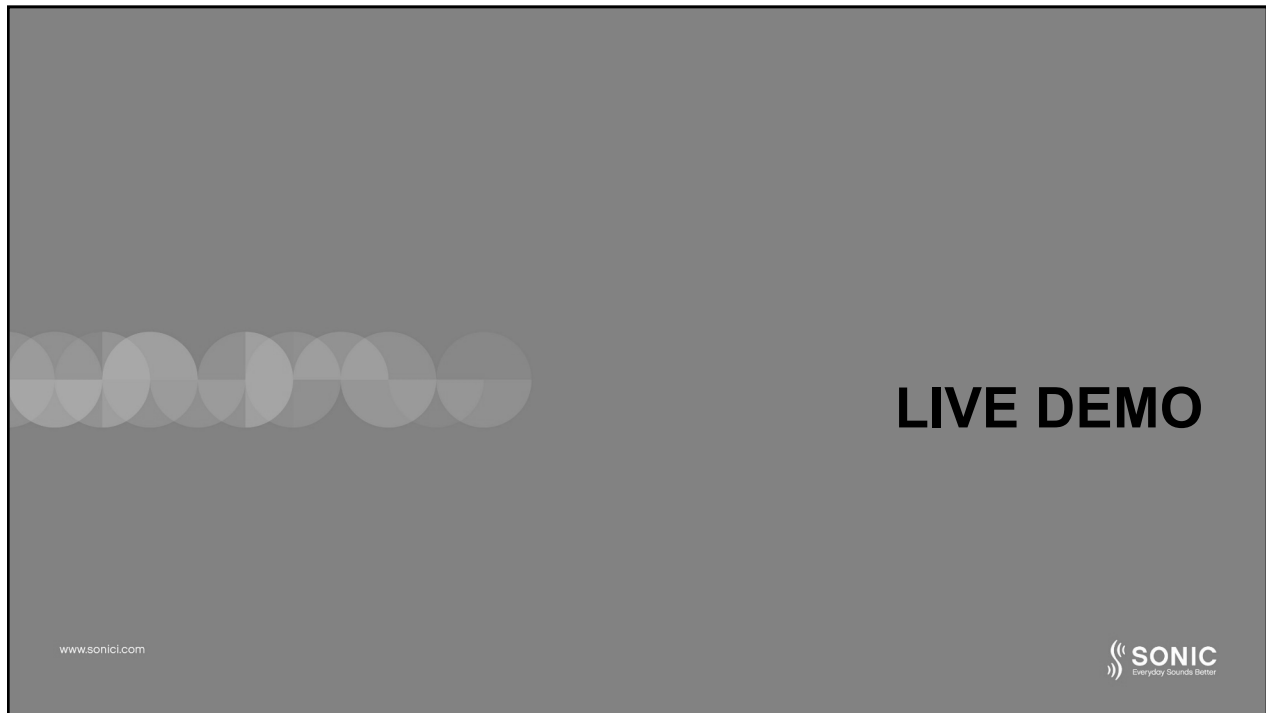
Save and Quit

Save and Quit

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## Final Comments

- Thank you for joining us today for our course
  - EXPRESSfit® Pro 2020.1: First Fits Made Easy
- Any Questions?
  - 888.423.7834
  - [www.sonici.com](http://www.sonici.com)
  - [www.mysonici.com](http://www.mysonici.com)
  - Email: [support@sonici.com](mailto:support@sonici.com)

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