

CELEBRATING  
**20**  
YEARS OF SOUND

## Sonic Spotlight Series: 7 Steps to Success

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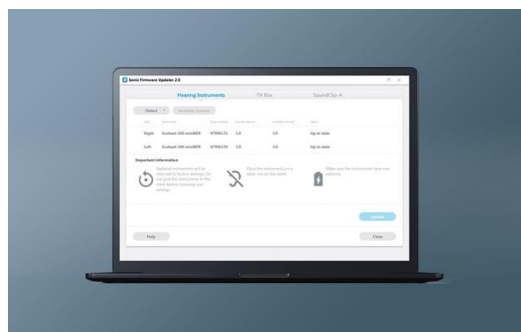
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## The Hook of EXPRESSfit® Pro

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- Alignment with 4S
  - Simplicity in All We Do
- Enables accurate and quick hearing aid adjustments



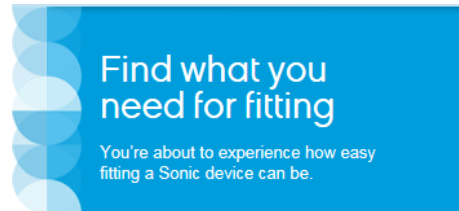
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# The Best Fit, Fast



- The first fit of a hearing instrument is critical for your patient's successful amplification experience
- The First Fit Protocol by Sonic is quick, easy and effective.



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## Step 1 Edit Client Info

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# Client Information



- Ensure fields are completed
  - Women configured for slightly less overall gain at first fit
  - Age affects the fitting rationale default; under 18 years set to DSL v5.0 pediatric

## Client information

First name

This is

Last name

Captivate

Gender

Female

Date of birth

11/25/1960

Age group

18 - 70 years

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# Personalization is Key



- EXPRESS<sup>fit</sup>® Pro offers several fitting rationales
  - Best Fit Fast SE (default)
  - Best Fit Fast
  - NAL-NL1
  - NAL-NL2
  - DSL v5.0 Adult
  - DSL v5.0 Pediatric

A **fitting rationale** is a set of formulas used to fit a broad range of sounds in the environment (usually speech) into the remaining dynamic range of the patient.

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# Sonic Proprietary Algorithms



## Best Fit Fast

- Recommended algorithm for all Sonic products
- Designed to quickly achieve a good fitting result
- Emphasizes speech intelligibility while still providing comfort

## Best Fit Fast SE (Default)

- Emphasizes speech intelligibility
- Good choice for patients who prefer fittings with more gain
- Excellent choice for experienced users

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## Step 2 Adaptation Manager



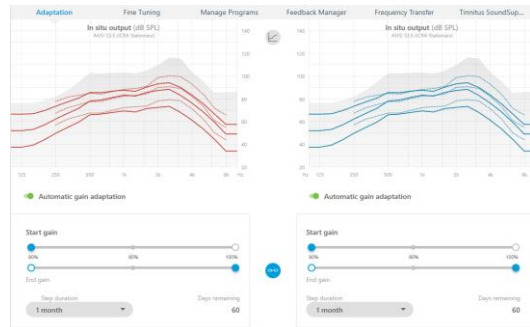
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# Adaptation Manager

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- Defaults to 80% of target gain
  - 80% recommended for new user
  - 90% or 100% recommended for experienced user
- Can turn automatic gain adaptation on, if desired
  - Start/End gain and step duration are adjustable



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## Step 3 Program Manager

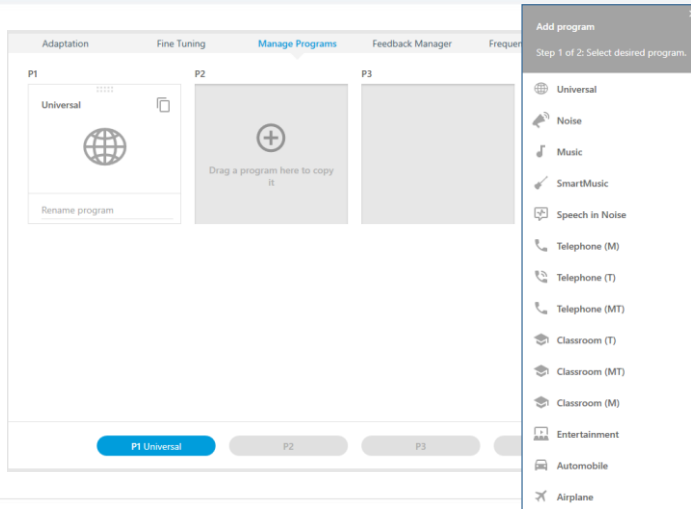
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# Program Manager

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Additional programs  
can be added, if  
desired

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

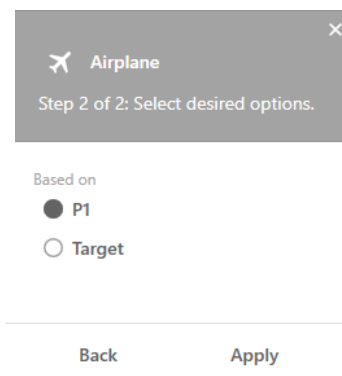
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# Program Assignment

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- If you add a new program after you have already made adjustments to P1  
You can retrofit the new program to the changes you made in P1



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## Step 4 Run Feedback Manager

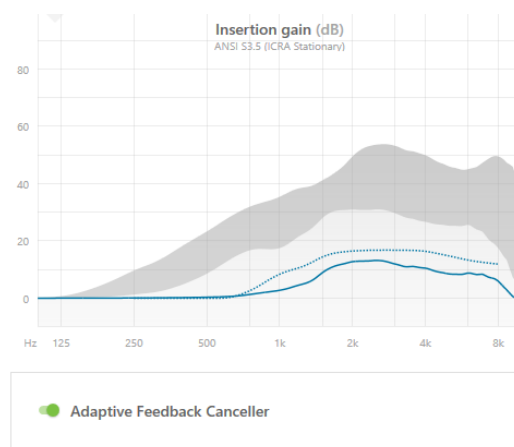
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## Feedback Manager

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- 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 5A Perform Real Ear Fit

If you don't use Real Ear in your office,  
proceed to step 5B

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## Real Ear Fit in EXPRESSfit Pro



- If you have the following REM equipment, you can use Real Ear Fit to quickly and easily get to first fit
- AudioScan Verifit
- AudioScan Verifit 2
- Interacoustics Callisto
- Interacoustics Affinity
- MedRx Avant Speech
- MedRx Avant Speech+
- MedRx Avant REMsp

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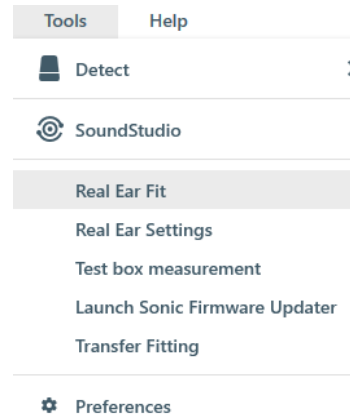




# Real Ear Fit in EXPRESSfit Pro



- Select Real Ear Fit from Tools pull-down menu
- Follow on-screen instructions
  - Perform REAG
  - Speech mapping
    - Verifit only



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## Step 5B Set Initial Overall Gain

Establishes the correct overall volume level of externalsounds.

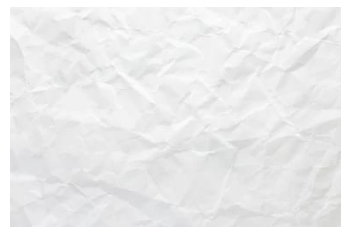
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# Paper Crinkle Test



- 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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# 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

Number of fitting bands:

3

6

16

CR

83	106	112	MPO
Low	Medium	High	All
0	5	8	80 dB
0	7	9	65 dB
0	8	9	50 dB

↔

↑

↓

MPO	83	106	112
All	Low	Medium	High
80 dB	0	5	8
65 dB	0	7	9
50 dB	0	8	9

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## Step 6 Adjust for Patient's Own Voice

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## 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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# Volume



Have the patient to recite their address while listening only to volume of their own voice

- Too loud
  - Decrease overall volume by 1 dB, both ears
- Too soft
  - Increase overall volume by 1 dB, both ears

Too Loud!



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# Position



Ask patient to recite the phrase - "Baby Jeanie is teeny tiny"

Have patient point to where their voice is originating, until it's coming from their lips

- Nose
  - Decrease the 80 dB curve at 1kHz by 1 dB, both ears
- Throat
  - Increase the 80 dB curve at 1kHz by 1 dB, both ears
- Inside head
  - Increase the 80 dB curve by 1 dB, both ears
- Far Front
  - Decrease the 80 dB curve by 1 dB, both ears

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# Occlusion

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Mute the mics, asking the patient to recite phone number while listening to the volume of their own voice

- Right or Left for the Occluded Ear
  - Decrease the 80 dB curve at 250 Hz by 5 dB (until gone or limit is reached)
  - Increase the 50 dB curve at 250 Hz by 2 dB
- Booming or Too Much Bass
  - Decrease all low frequencies, as needed
- Hollow or Too Thin
  - Increase all low frequencies, as needed



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# Quality

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Ask patient to recite address while listening to the quality of their own voice

- Tinny / Brassy
  - Decrease all high frequencies, as needed
- Muffled
  - Increase all high frequencies, as needed
- Vowel Echoes
  - Decrease the 80 dB curve from 500-1500 Hz by 1 dB
- Consonant Echoes
  - Decrease the 80 dB curve from 2000-8000 Hz by 1 dB



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## Step 7 Finish Session

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## Device Options

General Controls	Audible Indicators	Visual Indicators	SoundClip-A ringto...	Tinnitus Controls	Save and Quit
Volume control				Volume control	
Volume control	Short press Volume up/down	Short press Volume up/down			
Program change					
Program change	Medium press Change program	Medium press Change program			
Mute				Mute	
Mute	Long press	Long press			

Ear level controls  
identified

Volume control  
defined

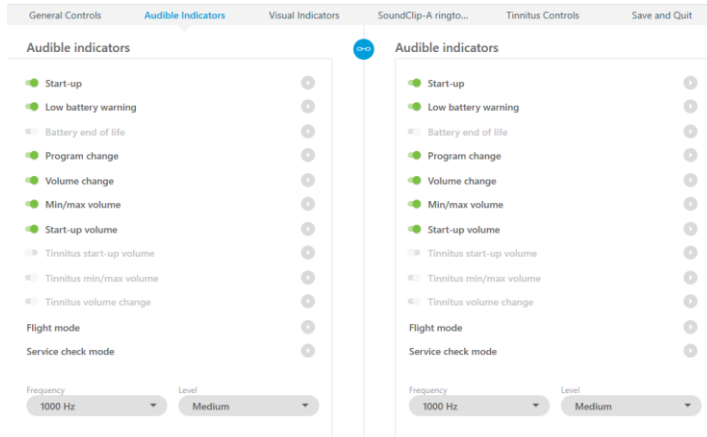
VC range  
-20 dB to +10 dB

Start-up delay  
Short

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# Audible Indicators



Demonstrate to ensure audibility and understand of the alerting tones

Adjust frequency or level as needed

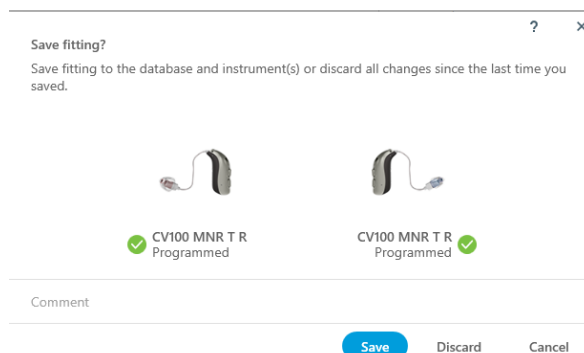
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# Save & Quit



- Finalize settings and save to aids & database



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# Thank YOU!



- Thank you for attending today's session  
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