A Deep Dive into Target for Pediatric Hearing Aid Fittings
Stacy Michels, M.A.

A Sonova brand

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Disclosure in accordance with ASHA CEU Requirements

• I have a financial relationship to disclose:
  – Employee of Phonak who receives a salary

• I have no nonfinancial relationship to disclose

Stacy Michels, AuD
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Agenda

1. Target Set Up
2. Fitting Session
3. Resources

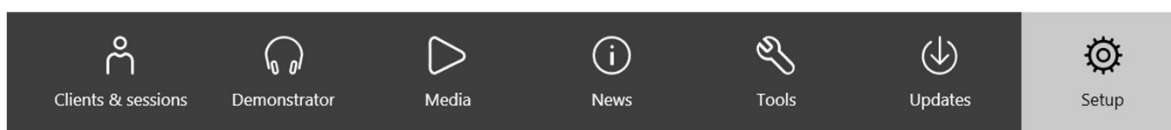**PHONAK**
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3   Target Software for Phonak Pediatric Fittings

1

Target 5.1 Set up

Set up for success

- From home page, go to Setup at bottom of page

- Allows you to customize your fitting session

- Show and allow changes to defaults

- Shows specific defaults for Junior mode

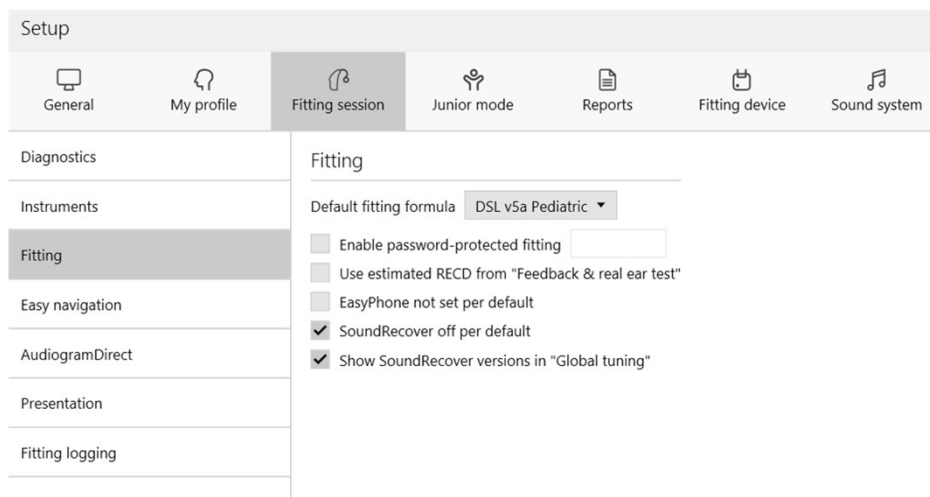- Allows you to customize reports

SoundRecover defaults

Fitting session tab

- Allows you to set up fitting session windows

- Most important tab is presentation

- Can check show recommendation for Junior Mode

- Will create pop up window to show you that Junior Mode is on when you enter age into Noah or Client Info

Setup

| General | My profile | Fitting session | Junior mode | Reports | Fitting device | Soun |

Diagnostics

Instruments

Fitting

Easy navigation

AudiogramDirect

Presentation

Fitting logging

Presentation

- ☑ Show recommendation for junior mode
- ☑ Show absolute tuning values
- ☑ Show compression values in tuning tools
- ☑ Show preparation information in AudiogramDirect assistant
- ☐ Show message on startup of training mode
- ☑ Show warning information when entering SoundRecover extended mode
- ☑ Show warning information when leaving SoundRecover extended mode

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Create clinic defaults in software

⚙️ Setup

Phonak Target 4.3   File   eService   Help

Setup

| General | My profile | Fitting session | Junior mode | Reports | Fitting device | Sound system | Internet |

Defaults	0 - 3 years		4 - 8 years		9 - 12 years		13 - 18 years	
▶ Fitting formula								
▼ Program manager	Startup		Startup		Startup		Startup	
(A) Automatic programs	Disabled ▾	○	Disabled ▾	○	Enabled ▾	○	Enabled ▾	○
1 First priority	Roger/DAI ± mic ▾	●	Roger/DAI ± mic ▾	●	Roger/DAI ± mic ▾	●	Roger/DAI ± mic ▾	●
2 Second priority	Acoustic phone ▾	○	Speech in noise ▾	○	None ▾	○	StereoZoom ▾	○
3 Third priority	None ▾	○	None ▾	○	None ▾	○	None ▾	○
RogerReady	Roger/DAI ± mic ▾		Roger/DAI ± mic ▾		Roger/DAI ± mic ▾		Roger/DAI ± mic ▾	
EasyPhone	Disabled ▾		Acoustic phone ▾		Acoustic phone ▾		Acoustic phone ▾	
Mute program	Disabled ▾		Disabled ▾		Disabled ▾		Disabled ▾	

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New Phonak Target Junior mode defaults - DSL

Setting	0-3 years	4-8 years	9-12 years	13-18 years
Startup	Roger/DAI+M	Roger/DAI+M	Roger/DAI+M	Roger/DAI+M
AutoSense Sky OS	Disabled	Disabled	Enabled	Enabled
Roger and directional	Omni	Real Ear Sound	Fixed directional	Fixed directional
Indicator light	Enabled	Enabled	Disabled	Disabled
Push button	Disabled	Disabled	Enabled	Enabled
Volume control	Disabled	Disabled	Enabled	Enabled
RogerReady	Enabled	Enabled	Enabled	Enabled

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Customize your reports

• Make your reports look professional

• Add your own logo

• Use preprinted letter head

• Choose your curve type
 – gain or output

 A great way to communicate with school or other care providers.

Setup — General, My profile, Fitting session, Junior mode, Reports

Layout
Curve type

Layout
○ Standard layout
● Customized layout
  ● Use own logo
    Select file...
  ○ Use own text
○ Preprinted letterhead

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Sending client information

Setup

General	My profile	Fitting session	Junior mode	Reports	Fitting device	Sound system	Internet

Language

Presentation

Import / Export fitting

Support

Support tools

Import fitting

The current Phonak Target setup settings will be overwritten.

Import...

ⓘ Excluded settings: Language, my profile, protected fitting and sound system.

Export fitting

Export the current setup settings to a file.

Export...

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Fitting Session

Fitting session at a glance

Client
- Client details
  - Age
  - Will activate Junior Mode

Audiogram
  - Keeps history of audios
  - Familiar sounds for counseling
  - SPL view

RECD
  - Saves history of RECD

Will auto populate from NOAH

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13   Target Software for Phonak Pediatric Fittings
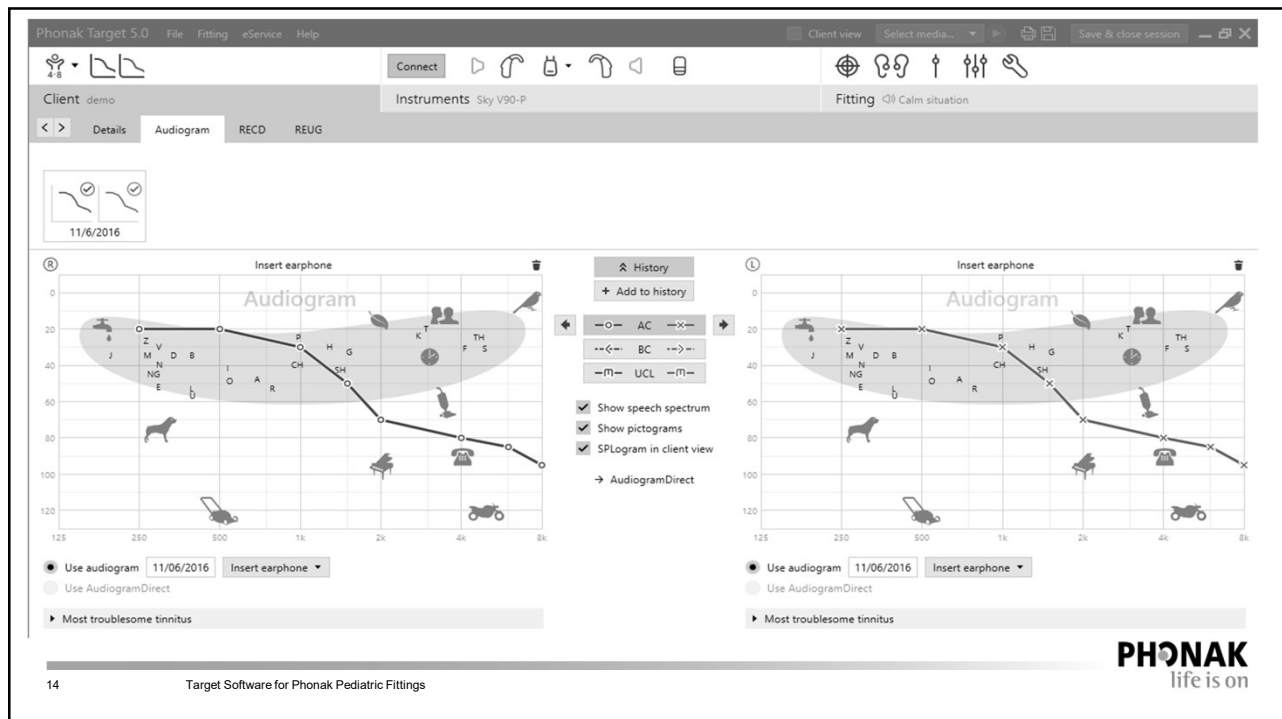
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Slide 15

Client demo | Instruments Sky V90-P | Fitting ◁) Calm situation

Details Audiogram **RECD** REUG

R — Custom earmold vented (HA2) — Average

History
+ Add to history
—o— Entered —o—
——— Estimated ———
------ Average ------
→ Feedback & real ear test

L — Custom earmold vented (HA2) — Average

Use entered ⓘ Click on graph to enter points
Use estimated
● Use average

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Slide 16
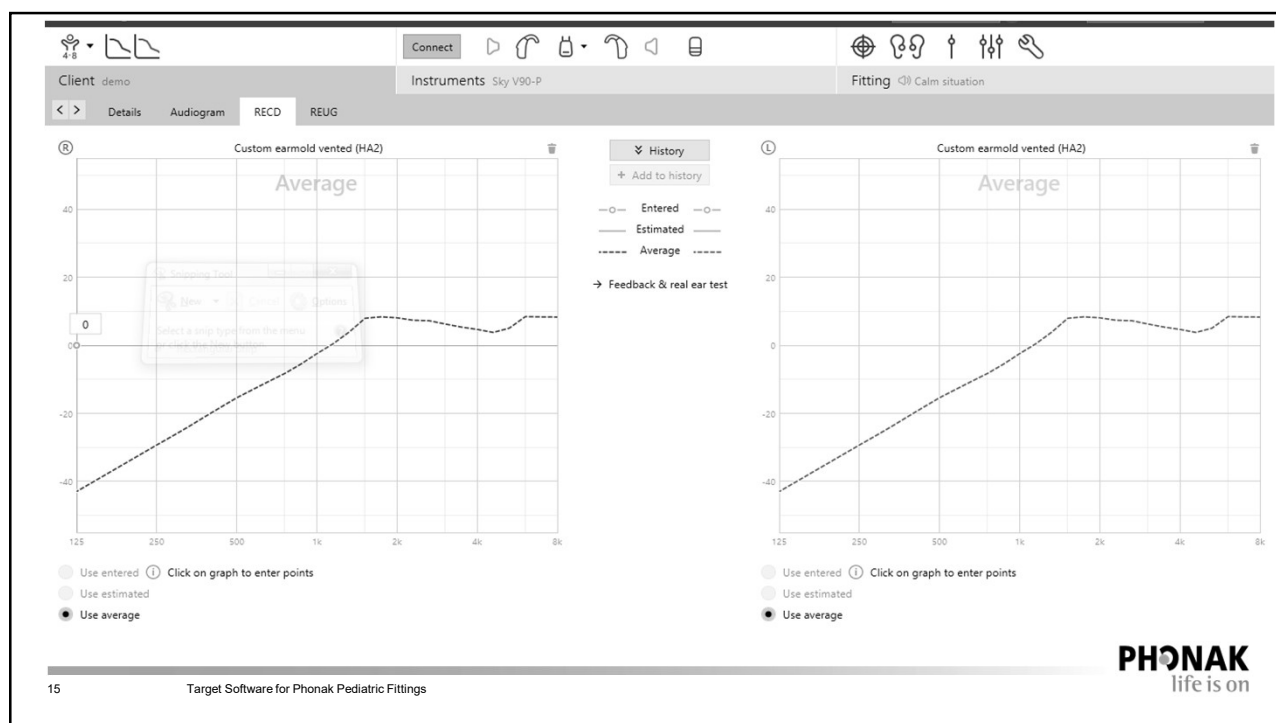
Fitting session at a glance, *cont.*

Ⓛ Sky V70-P

Gain 66 (2cc)
MPO 131 (2cc)
→ Acoustic parameters

Sky V70-P

POWER LEVELS

Standard   SlimTube
66/131 (2cc)   58/126 (2cc)

DESCRIPTION
Advanced WaterResistant BTE (13) for mild to severe hearing loss.
Wireless.

FEATURES
• AutoSense Sky OS advanced   • DuoPhone   • Roger and directional setting
• Speech in loud noise   • FlexControl   • RogerReady
• Speech in 360°   • SoundRecover2   • Indicator light
• UltraZoom advanced   • SoundRelax

▶ More information

Instruments
- • Hearing Instruments
- – Power levels
- – Features
- – Can help you decide between models

- • Acoustic Parameters
- – Choose coupling
- – Save color choices

- • Accessories
- – Identify accessories
- – Reprogram ComPilot for another hearing aid.

Hearing Instrument will auto populate with "Connect"

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Fitting session at a glance, *cont.*
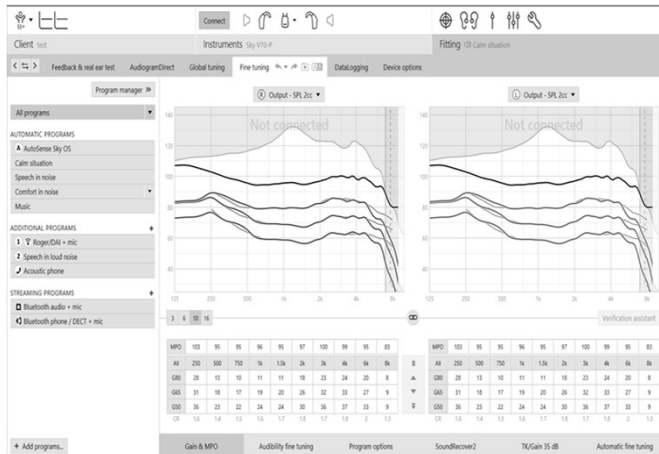
Fitting - Where the action happens!

- Gain and MPO changes

- Verification Assistant

- Sound Recover 2

- Program Manager

- Device options

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Gain and MPO

Most adjustments made on this screen

Access to Verification Assistant
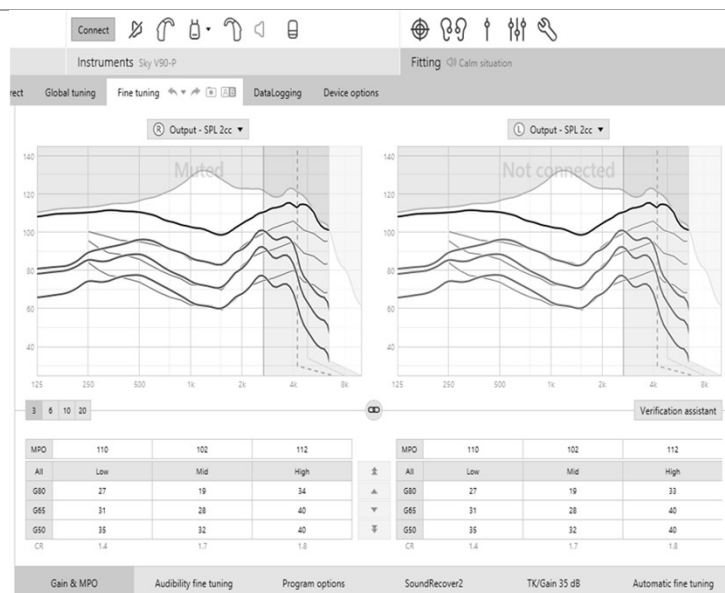
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Verification assistant

Use to ensure all adaptive features are disabled including SoundRecover2

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Software update for audioscan

New /s/ and /sh/ signals can be downloaded

http://software.audioscan.com

CURRENT SOFTWARE
Verifit2 4.6.2
Axiom 1.12.2
RM500SL 3.14.4
Verifit 3.14.4
NOAH Module 2.4.1
Remote App 1.2.2
Update now
Register to stay connected!

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Verification of gain and MPO

Gain and MPO:

- Match prescribed targets
  - Average
  - Soft
  - Loud
  - MPO
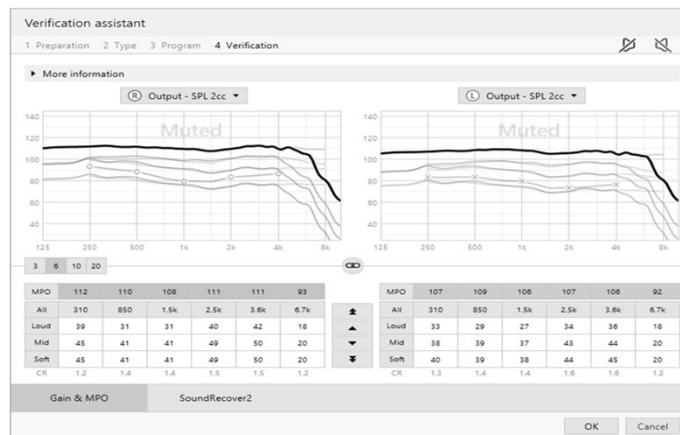
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SoundRecover2 - intelligent adaptive frequency lowering algorithm
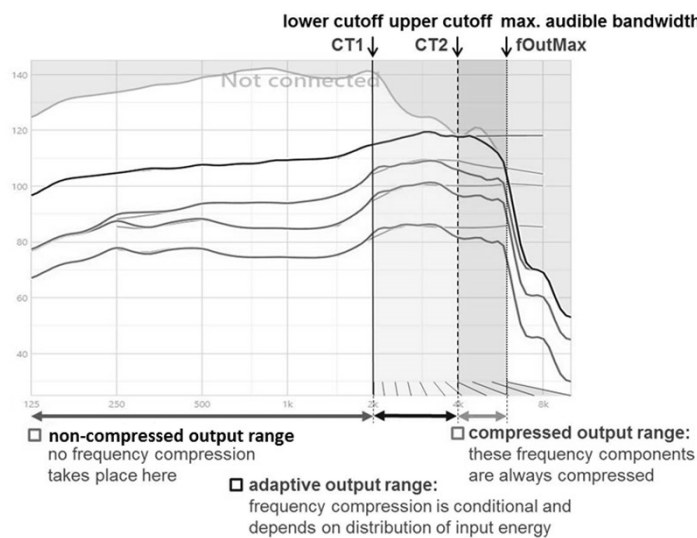
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SoundRecover vs. SoundRecover2
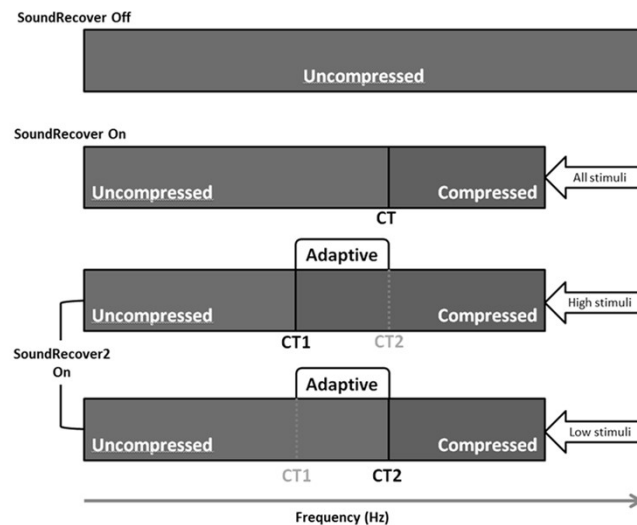
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Best match to prescribed targets without SoundRecover2
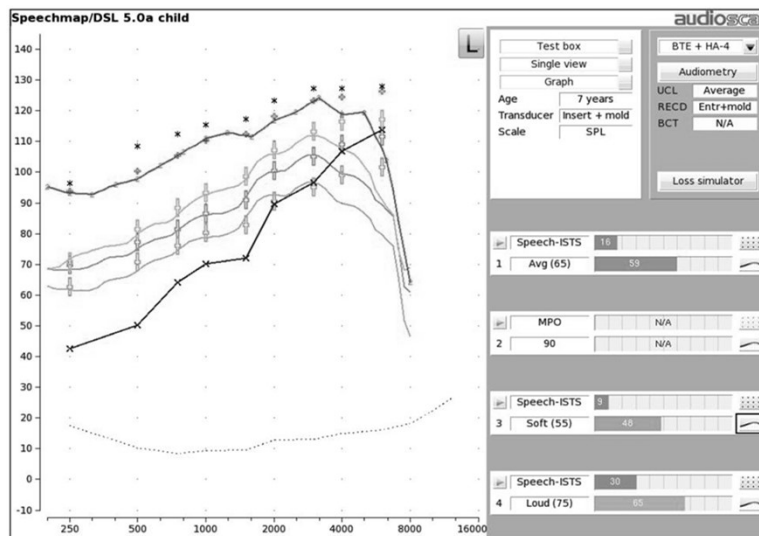
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Determine candidacy using /s/ stimulus
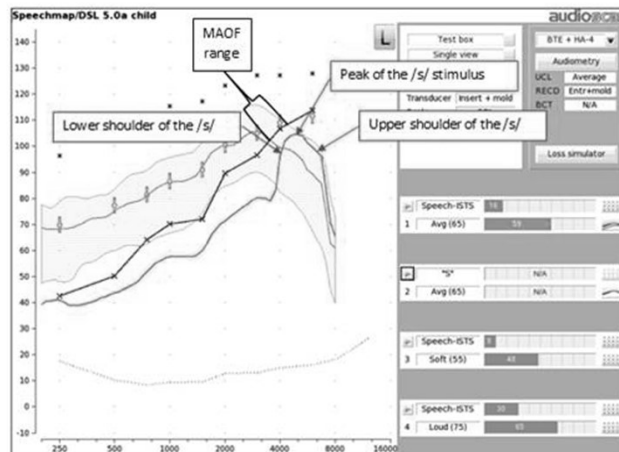
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SoundRecover2 fitting tool

- Adjustments made from
  - Verification Assistant
  - **[Fine tuning]**, **[SoundRecover2]**

- Two interdependent sliders are available:
  Audibility --------------   Distinction
  Clarity ------------------- Comfort

- A change to top slider automatically resets
  second slider to optimal clarity
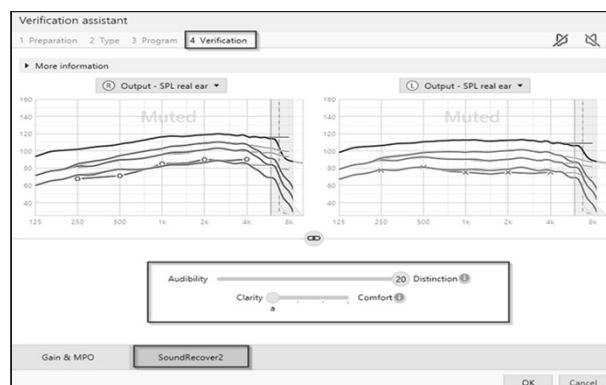
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Audibility – Distinction slider adjustments
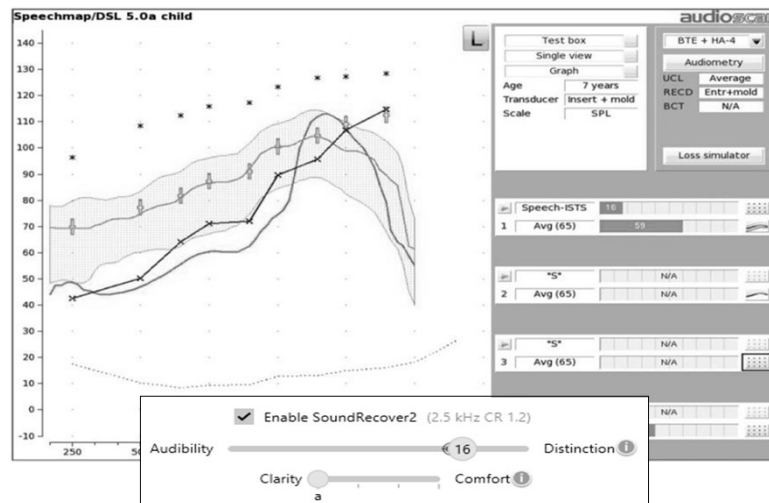
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/s/ and /sh/ separation
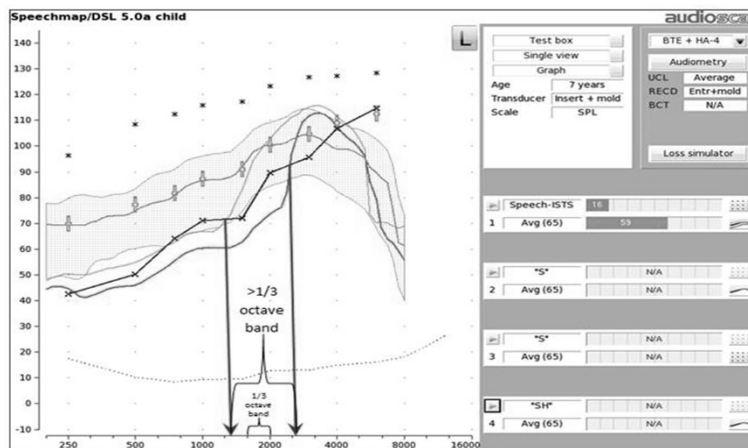
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Clarity – Comfort slider adjustments
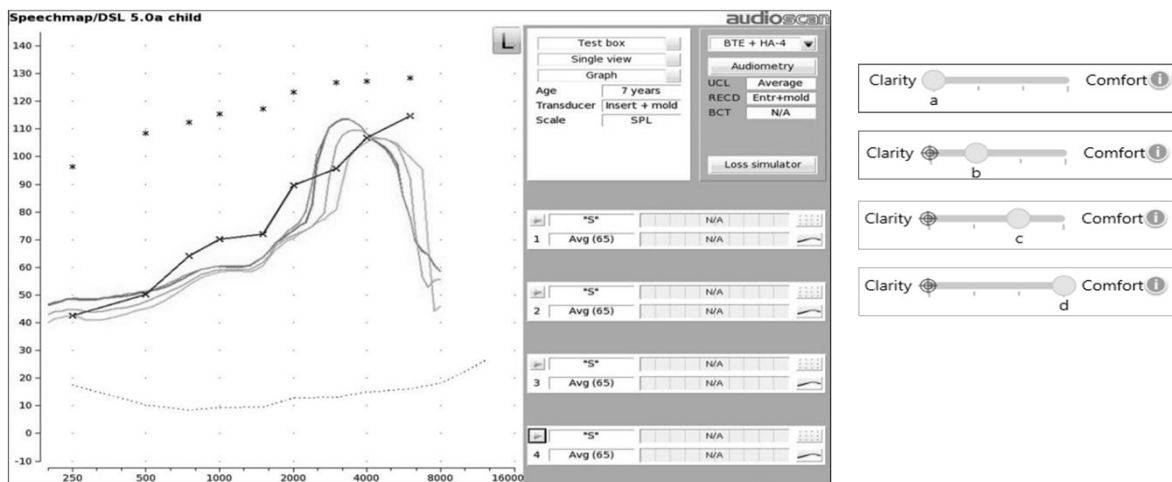
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SoundRecover2 fitting protocol summary is available in print or online

- Match gain and MPO for prescribed targets

- Assess candidacy for SoundRecover2 using /s/ stimulus

- Use Audibility --- Distinction slider to achieve audibility of /s/ stimulus

- Adjust for comfort if required using Clarity --- Comfort slider

- Check for 1/3 Octave separation between /s/ and /sh/

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Program manager

- Enable RogerReady
  - Automatic activation of Roger
  - In AutoSense Sky OS or startup program

- See programs within AutoSense Sky OS
  - The first automatic program just for kids.

- Can change Startup program

- Add additional programs

« Program manager

AUTOMATIC PROGRAMS	Position	Startup	Easy access	Label for client
A AutoSense Sky OS	A ▾	○		Automatic
Calm situation	− ▾	○		Calm situation
Speech in noise	− ▾	○		Speech in noise
Comfort in noise	− ▾	○		Comfort in noise
Music	− ▾	○		Music
ADDITIONAL PROGRAMS +				
1 📶 Roger/DAI + mic	1 ▾	●	✔ RogerReady	Roger/DAI + mic
2 Speech in loud noise 🗑	2 ▾	○		Speech in loud noise
♪ Acoustic phone 🗑	− ▾	○	✔ EasyPhone	Acoustic phone
STREAMING PROGRAMS +				
🔋 Bluetooth audio + mic			⚡ 📶 ᛒ	Bluetooth audio +…
ᛒ Bluetooth phone / DECT + mic			ᛒ	Bluetooth phone / D…

☐ Enable mute program in last position

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RogerReady

100% of the time!

The Roger/DAI + Mic program is always in the program structure and cannot be deleted by accident

Automatic activation of the Roger/DAI + Mic program

No additional programming required

Every child's Sky V hearing aids are ready for Roger as soon as they are.

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RogerReady - Automatic activation of Roger

Transmission from the Roger microphone activates the Roger program

Automatic switching into the Roger program occurs in <400ms

Switching out of Roger program occurs after ~50 seconds of no transmission

100% of the time!

Available in AutoSense Sky OS and also in startup program

RogerReady now enabled by default for all Junior mode fittings in Phonak Target

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Roger and directional setting

Found in program options

– Three microphone modes available at programming

- **Omni** – always omnidirectional microphone
- **Real Ear Sound** – always Real Ear Sound
- **Fixed directional** – adaptive activation of fixed beamformer

0
Omni directional

4
Real ear sound

12
Fixed directional

Calm Situations 10%   Other 5%

Roger+Mic 44%
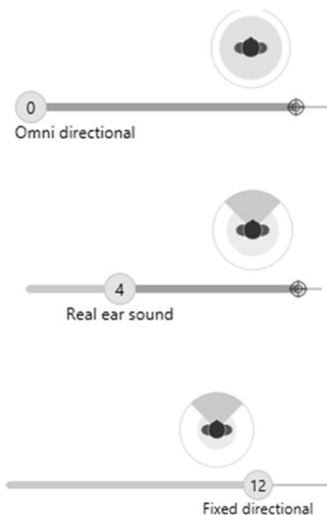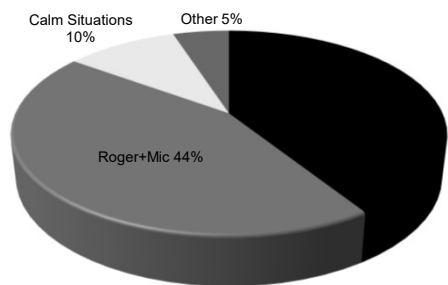
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Roger and Directional - **Omnidirectional**

- ✓ 0-3 Age group

- ✓ Hear from all around for incidental listening

- ✓ No changes from Sky Quest

- ✓ Recommended for infants and those with poor head control

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Roger and Directional - **Real Ear Sound**

- ✓ 4-8 yr old age group

- ✓ Hear from all around for incidental listening

- ✓ Essentially omnidirectional with small amount of directionality

- ✓ Helps with localization

- ✓ Helps with attenuation of high frequency sounds

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Roger and Directional - **Fixed Directional**

✓ 9-18 yr old age group

✓ Fixed null point allows her to hear her friends from the side

🦻 Real Ear Sound is the default in quiet

✓ Fixed directional is automatically activated based on two parameters:
- ☐ ~50% Speech in Noise classification is detected
- ☐ Ambient noise level exceeds a moderate level

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Roger and Directional

Three microphone modes:

Omni directional — 0

Real ear sound — 4

Fixed directional — 12
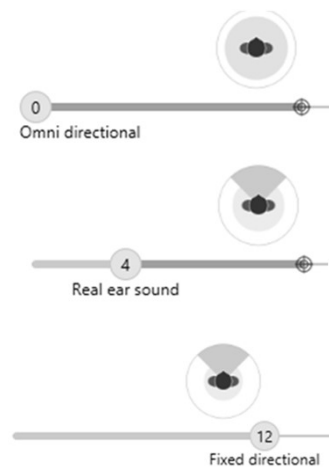
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Push button

- Junior Mode
  - 0-3 and 4-8 yrs - disabled
  - 9-12 and13-18 yrs - enabled

  - Short and long press options

- QuickSync automatically activated
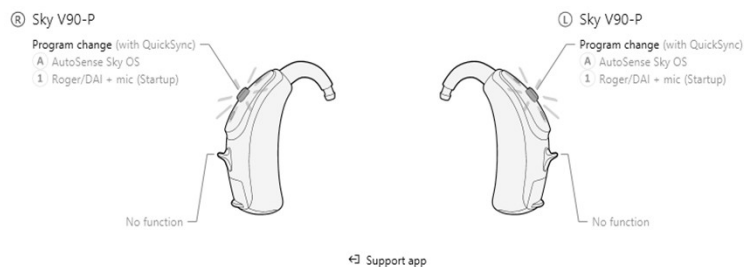
SHORT PRESS
Program change ▼   ✔ QuickSync

LONG PRESS
No function ▼

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Volume control

- Allows for increase and decrease in volume

- Junior Mode
  - 0-3 yrs and 4-8 yrs disabled
  - 9-12 yrs and 13-18 yrs enabled

- QuickSync automatically activated
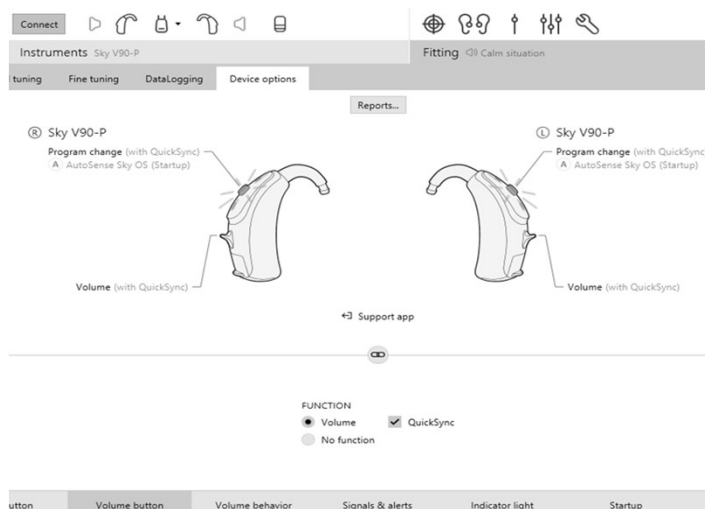
FUNCTION
● Volume   ✔ QuickSync
○ No function

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Volume behavior

Allows for setting of maximum volume both upper and lower limits

Individual options for both louder and softer:
- None
- 6 dB (3 steps)
- 10 dB (5 steps)

Mic attenuation

Push button needs to be activated for long press, mic attenuation
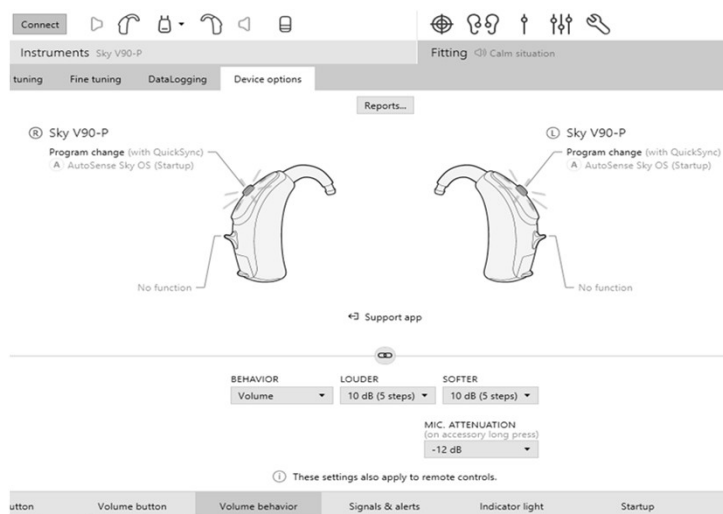
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Signals and alerts

- Allows for manipulation of whether or not to enable/disable the signals

- Intensity and frequency are defaulted to medium

- Choose those alerts that apply to the hearing aid settings

- The low battery beep alert is audible to the child
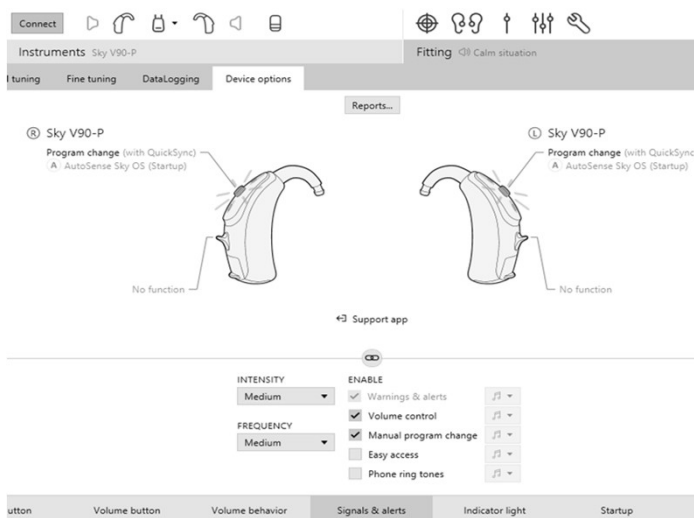
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Indicator light

• 5 indication patterns
  − can be selected by the fitter

• Easily demonstrated on the hearing instrument when connected to Target 5.0

• Pattern explanation available in Target report

• Starting up in Roger please select top two to indicate that the hearing aid is working.
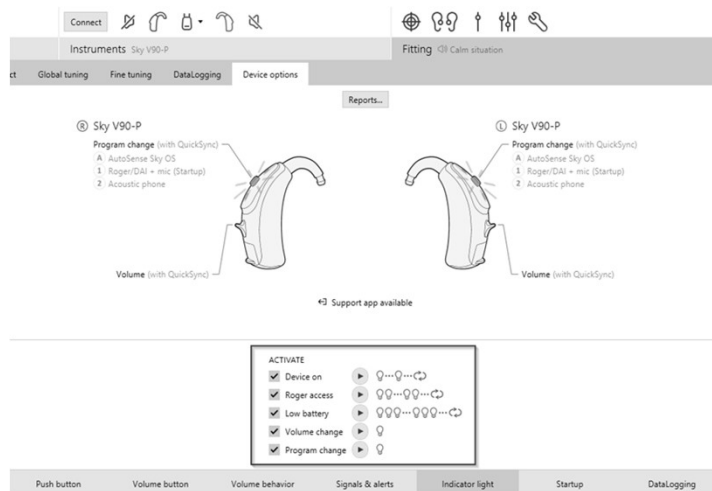
Start up

• Start up program change option

• Start up melody on/off

• Additional start up delay option
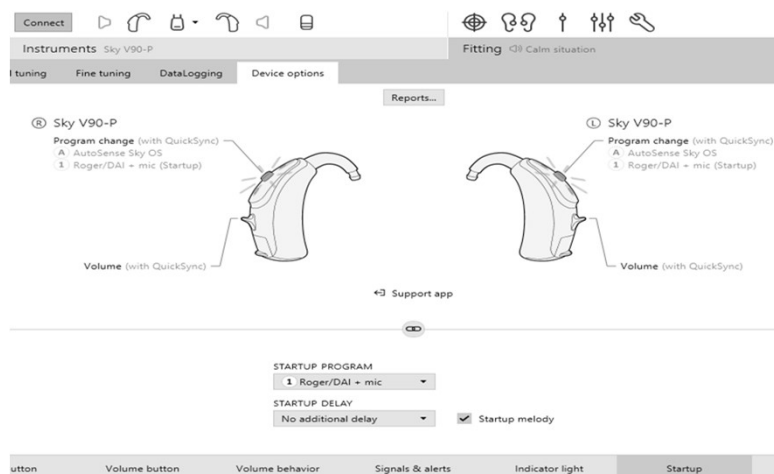
Datalogging

- Allows for datalogging on/off option

- Datalogging information can then be found under Datalogging tab

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3

Resources

Reports

- For parent or professional

- 26 different languages

- Good reference for use and care

- Offers counselling opportunities

- Good way to communicate with school

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Did you notice?

Reports can be accessed in two different places
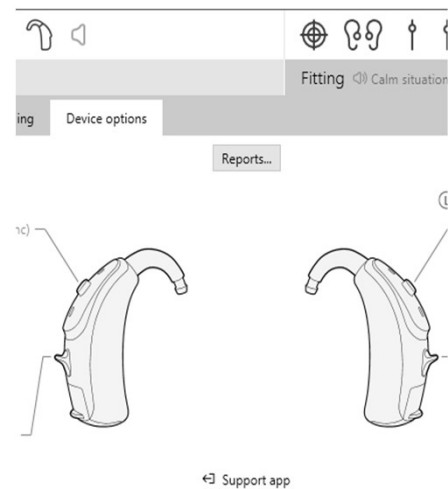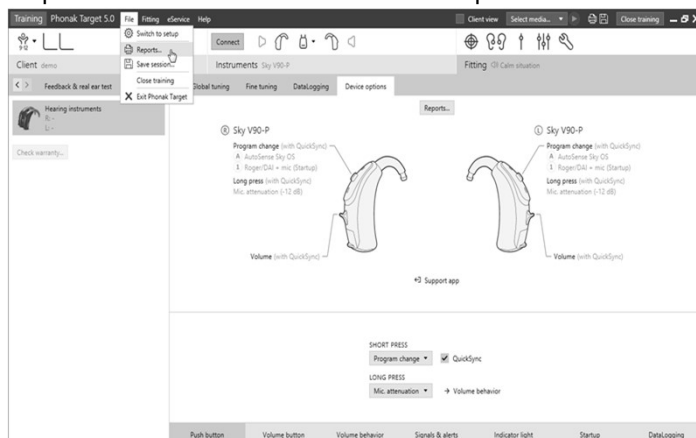
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Target 5.1 Demonstrator

Pediatric fitting resources

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**Together,
we change lives**