



## Connecting with Power with Phonak Naida Marvel

Alyssa Ricevuto, AuD

A Sonova brand

**PHONAK**  
life is on

### Learning Outcomes

**PHONAK**  
life is on

- Participants will be able to summarize the additions to the Marvel Portfolio
- Participants will be able to describe the key features of Naida M
- Participants will be able to summarize the benefits of Marvel for their patients

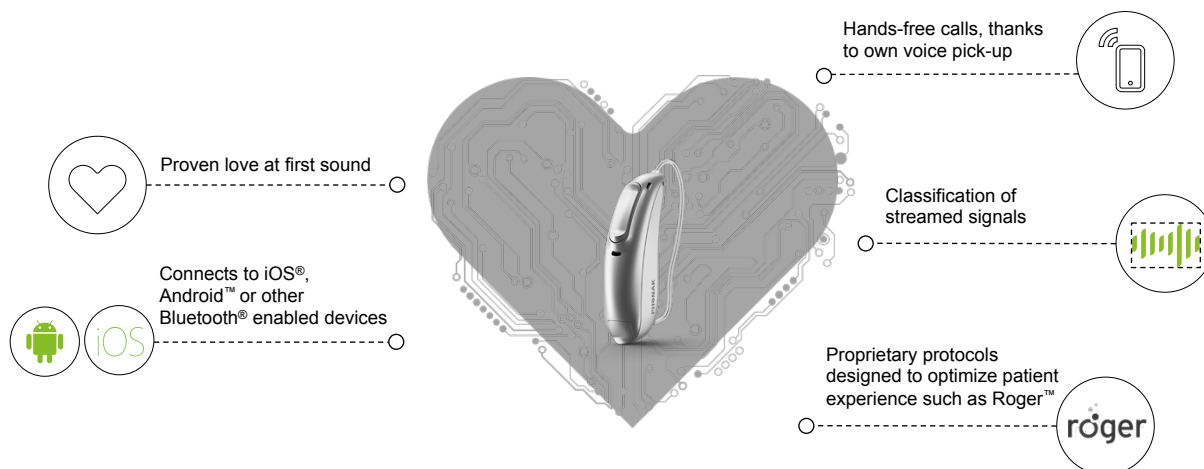
Presented in partnership with

**continued**

# Everyone loves Marvel

## Delivering powerful, rich sound

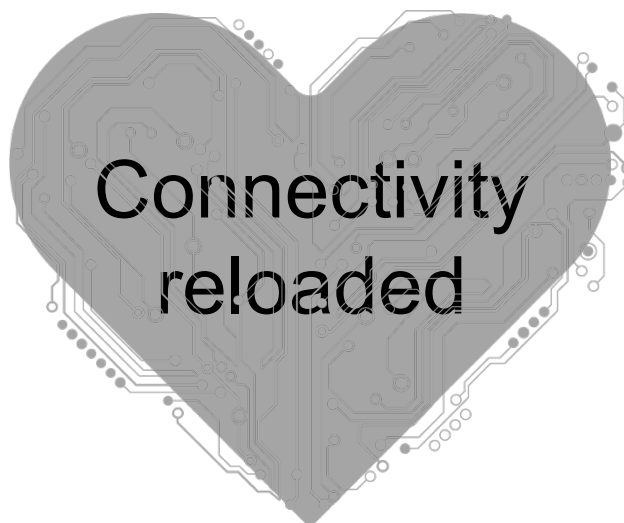
**PHONAK**  
life is on



Presented in partnership with

**CONTINUED**

**PHONAK**  
life is on



Phonak Naída: Rich history of powerful, rich sound

**PHONAK**  
life is on



**Naída M** is the **6<sup>th</sup>** generation of the **most trusted** power hearing aid\*

\*Taphuntsang, D. (2017) Market Research ID 924. Please contact [marketinsight@phonak.com](mailto:marketinsight@phonak.com) if you are interested in further information. Based on Customer Satisfaction Survey 2017.

Presented in partnership with

**CONTINUED**

## Naida M – SP Product options

**PHONAK**  
life is on



**H0**  
Beige



**P1**  
Sand Beige



**P3**  
Sandalwood



**P4**  
Chestnut



**P5**  
Champagne



**P6**  
Silver Gray



**P7**  
Graphite Gray



**P8**  
Velvet Black



**T7**  
Alpine White

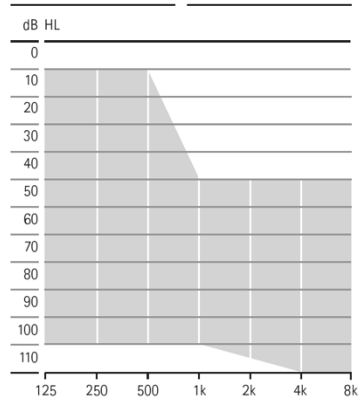
## Naida M – SP Product options

**PHONAK**  
life is on

Fitting range



■ HE11 680



Moderate to profound hearing loss,  
all audiometric configurations

Presented in partnership with

**CONTINUED**

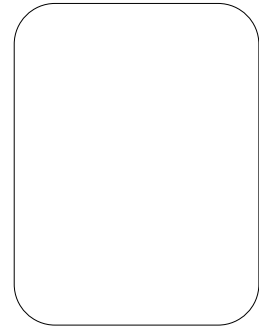
## Naida M-SP Battery Life



- **60 hours**

- 8 hours AutoSense OS 3.0 w/BVST
- 6 hours of streaming (Roger, Music, or TV streaming)

Most Naida M-SP wearers will experience battery life of **4-5 days**



## Reliable



**Naida**  
is the  
**most trusted**  
power  
hearing aid\*



**IP68 rated**

- Dust resistant
- Water resistant
- All day, every day

\*Taphuntsang, D. (2017) Market Research ID 924. Please contact marketinsight@phonak.com if you are interested in further information. Based on Customer Satisfaction Survey 2017.

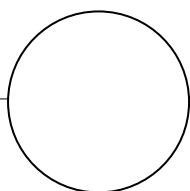
Presented in partnership with



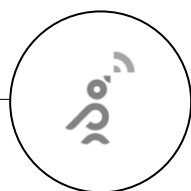
## Complex hearing needs

What do we hear from patients with severe to profound hearing loss?

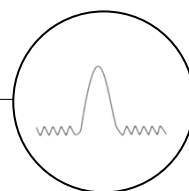
**PHONAK**  
life is on



"Speech isn't clear, I find it difficult to follow conversations"



"I can hear, but I can't understand"



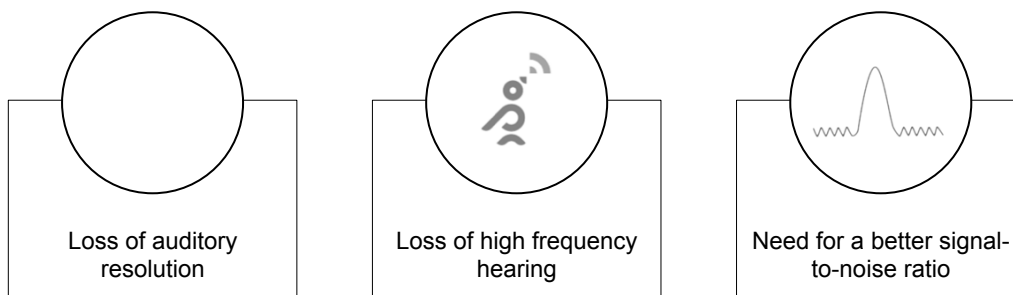
"I can't hear at family gatherings"

Presented in partnership with

**CONTINUED**

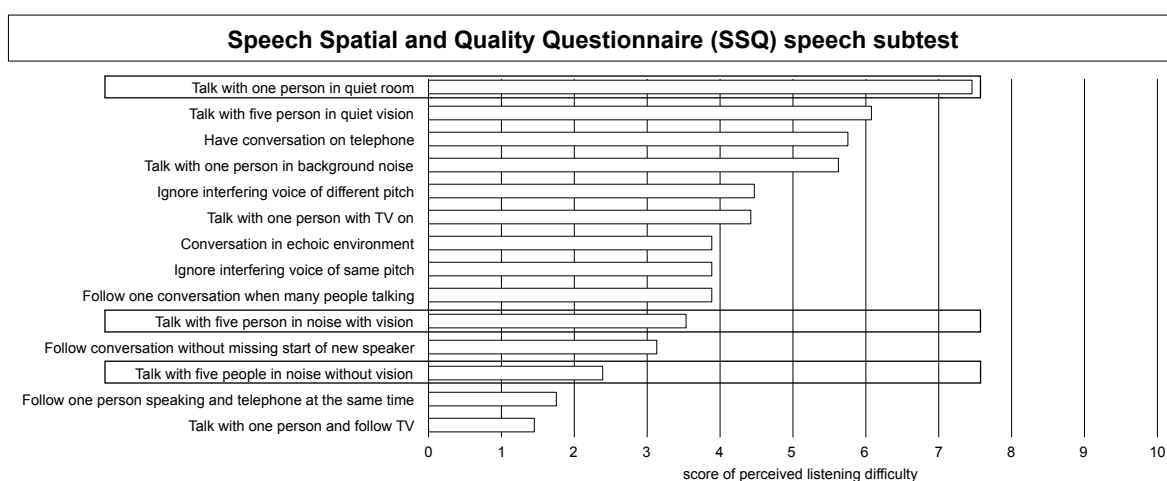
## Key characteristics of severe to profound hearing loss include

**PHONAK**  
life is on



## Challenges with severe to profound hearing loss

**PHONAK**  
life is on



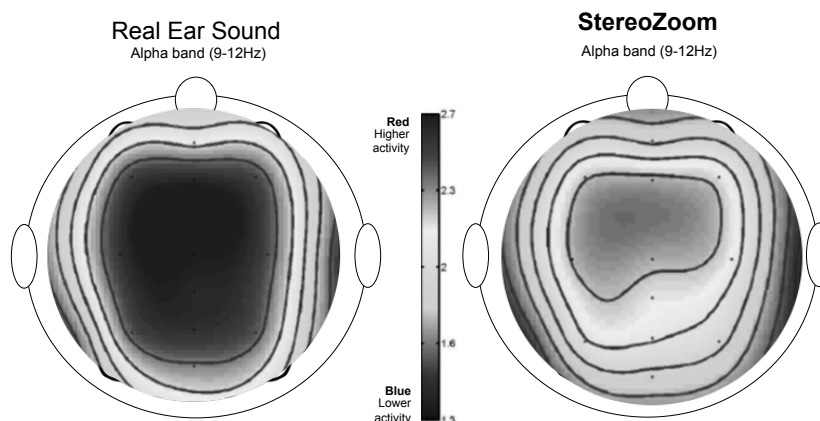
Souza, P. & Hoover, E. (2018) The Physiologic and Psychophysical Consequences of Severe-to-Profound Hearing Loss. *Seminars in Hearing* 39:349–363. (Table 4 p358 re-used with permission)

Presented in partnership with

**CONTINUED**

## Reduced listening effort in noise with StereoZoom\*

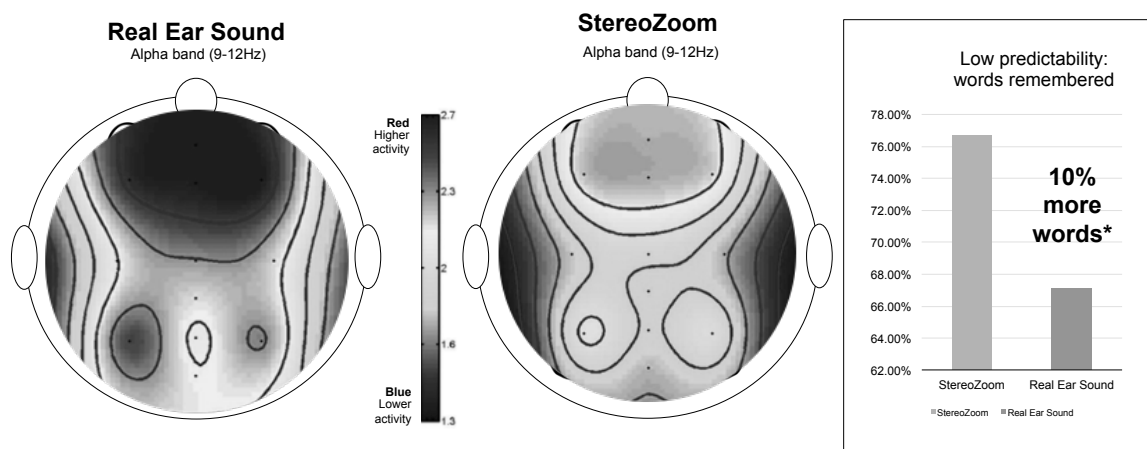
**PHONAK**  
life is on



\*compared to RES  
Winneke, A., Schulte, M. & Latzel, M. (2019). The effect of spatial noise processing in hearing aids on neural correlates of listening and memory effort: an EEG study. Manuscript in preparation.

## Better memory recall in noise with StereoZoom

**PHONAK**  
life is on



\*with StereoZoom compared to RES  
Winneke, A., Schulte, M. & Latzel, M. (2019). The effect of spatial noise processing in hearing aids on neural correlates of listening and memory effort: an EEG study. Manuscript in preparation.

Presented in partnership with

**CONTINUED**

## Listening Span Test of Memory



Task:

- 1) Listen to a list of sentences; repeat the sentences; (score: % words correctly repeated)
- 2) Memory: repeat the final word in the last 4 sentences; (score: % final words correctly recalled)

easy: words with high predictability

The chef spread icing on the CAKE

difficult: words with low predictability

The man should discuss the OX

Pichora-Fuller, Schneider, & Daneman (1995) *JASA*, 97, 593-608

## Listening Span Test of Memory



What are the final words in the following 4 sentences ?

What were the 4 final words?

**Pie Ox Pet Fans**

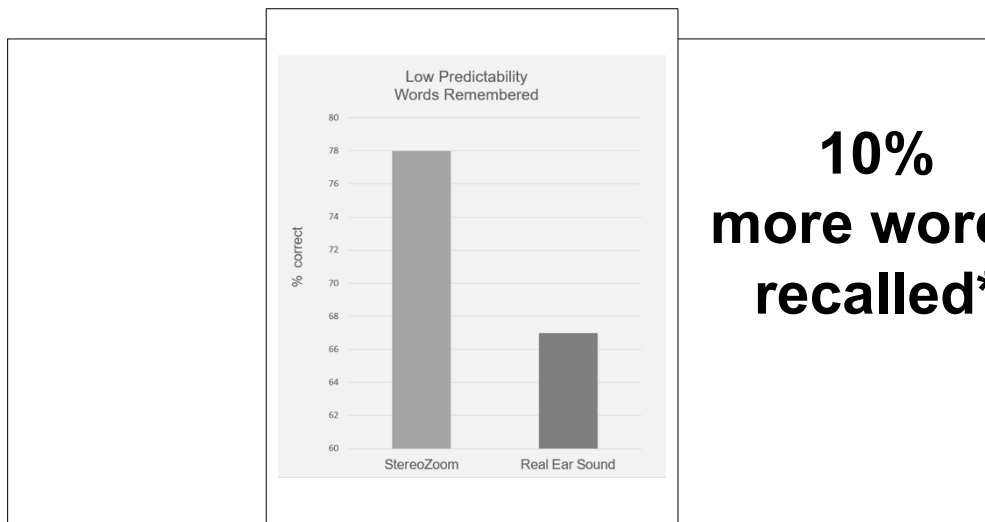
Pichora-Fuller, Schneider, & Daneman (1995) *JASA*, 97, 593-608

Presented in partnership with



## Better memory recall in noise with StereoZoom\*

**PHONAK**  
life is on



\*with StereoZoom compared to RES  
Winneke, A., Schulte, M. & Latzel, M. (2019). The effect of spatial noise processing in hearing aids on neural correlates of listening and memory effort: an EEG study. Manuscript in preparation.

What is significant about  
SoundRecover2?

Adaptive  
Flexible  
Less distortion  
Independent

Presented in partnership with

**CONTINUED**

## SoundRecover2

**PHONAK**  
life is on

Restores access to high frequency information while preserving high frequency discrimination and sound quality

Retains the essence of our SoundRecover strategy, while allowing lower cut-off frequencies with weaker compression ratios

Maintains the familiarity of low and mid frequency sounds

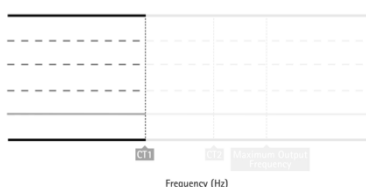
Extends the benefits of SoundRecover to:

- more profound losses
- left corner audiograms
- ski-slope audiograms

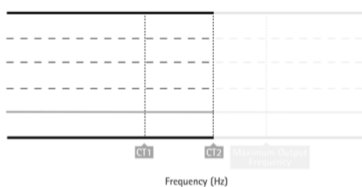
## Adaptive: How does SoundRecover2 work?

**PHONAK**  
life is on

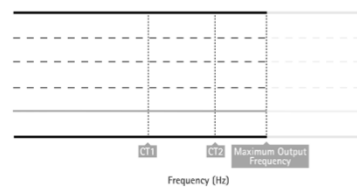
Based on the audiogram default settings are generated for



Lower cut-off frequency (CT1)



Upper cut-off frequency (CT2)



Maximum Output Frequency

Compression ratio

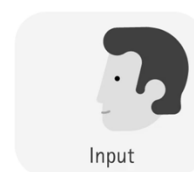
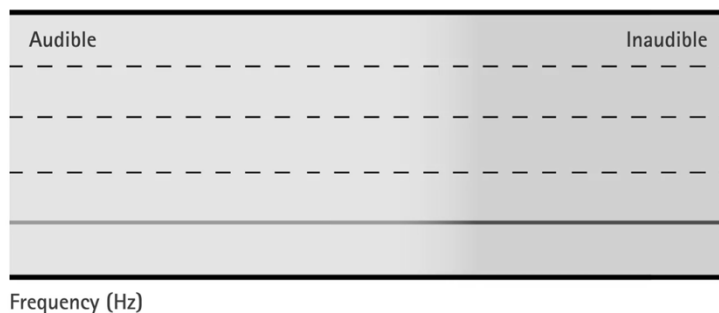
Presented in partnership with

**CONTINUED**

## SoundRecover2



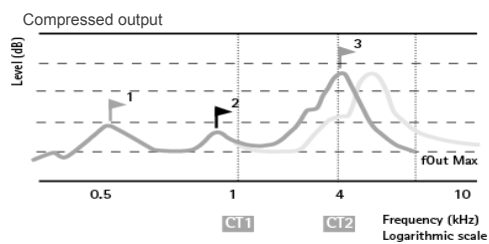
### SoundRecover2 OFF



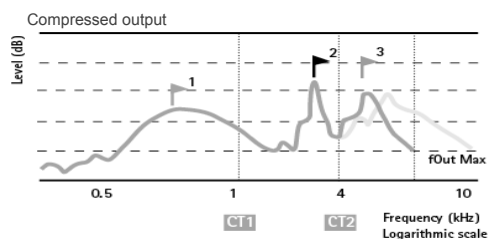
## Adaptive nature of SoundRecover2



Input with significant **high frequency** energy present



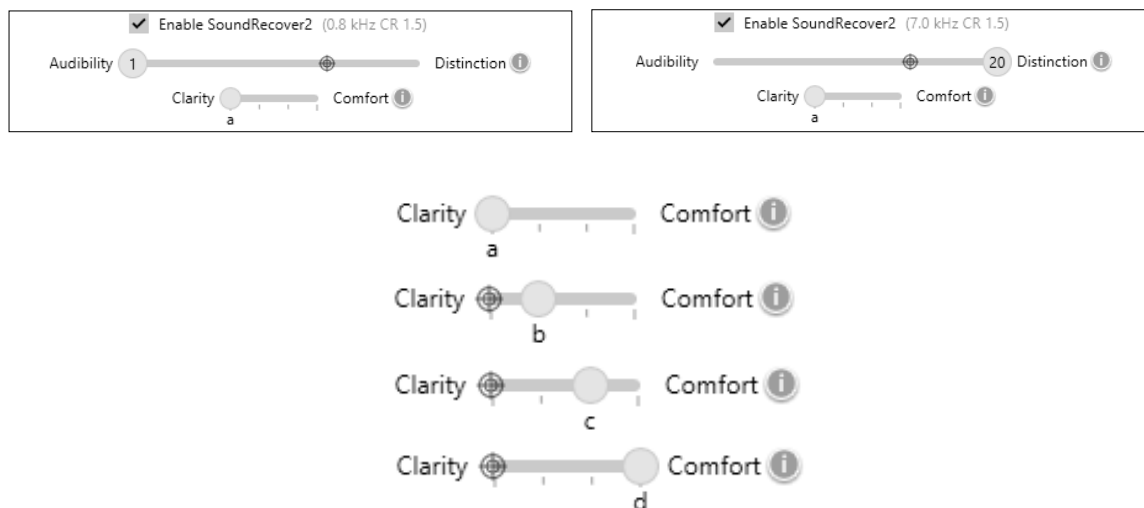
Input with significant **low/mid frequency** energy present



Presented in partnership with



## Flexible – 80 possible settings for precise fine tuning



## Fitting and fine tuning tips and tricks



### Using live voice to quickly check sound quality and perception

Pt reports:

**“/s/ and /sh/ sound muddy”**

- Move Audibility/Distinction slider toward Distinction

Pt reports:

**“vowel sounds are strange and /s/ sounds are ‘lispy’ “**

- Move Clarity/Comfort slider toward Comfort

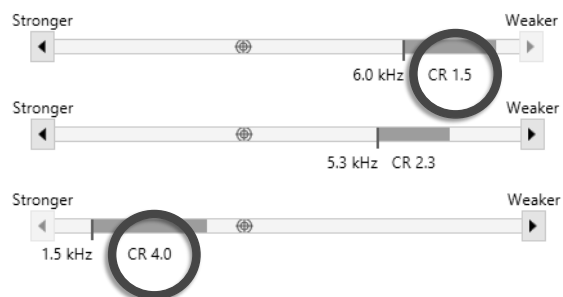
Presented in partnership with



## Less Distortion - More consistent compression ratios

**PHONAK**  
life is on

### SoundRecover

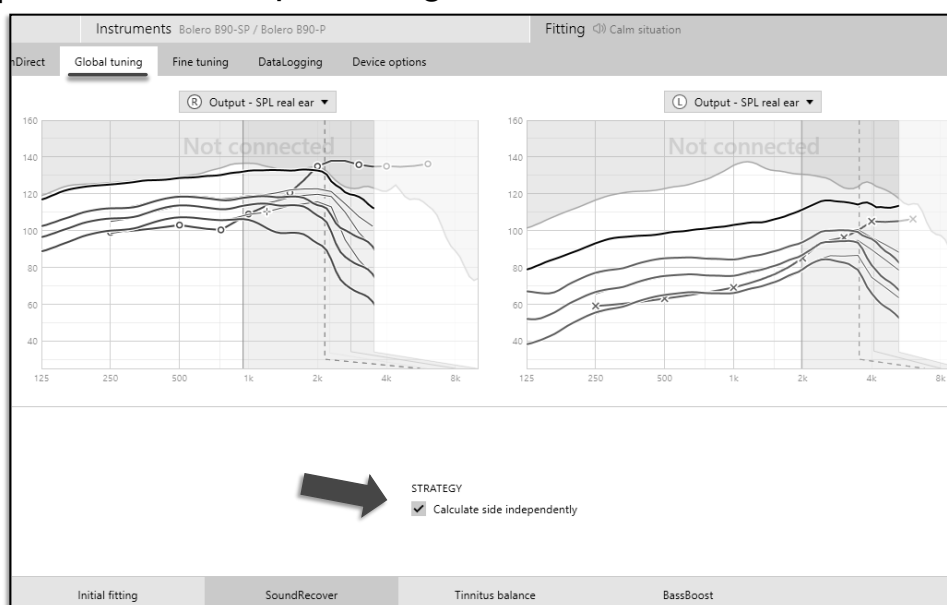


### SoundRecover2

- ☒ Enable SoundRecover2 (3.0 kHz CR 1.1)
- ☒ Enable SoundRecover2 (1.6 kHz CR 1.3)
- ☒ Enable SoundRecover2 (0.8 kHz CR 1.5)

## Independent – separate right/left calculations

**PHONAK**  
life is on



Presented in partnership with

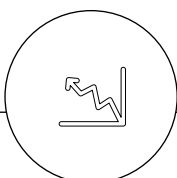
**continued**

## Adaptive behavior results in more audibility of high-frequency sounds

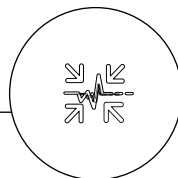
**PHONAK**  
life is on



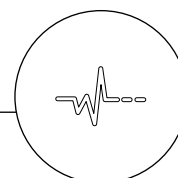
Lower cutoff abilities  
extends benefit to sloping  
losses and corner  
audiograms



More audibility of high  
frequency sounds

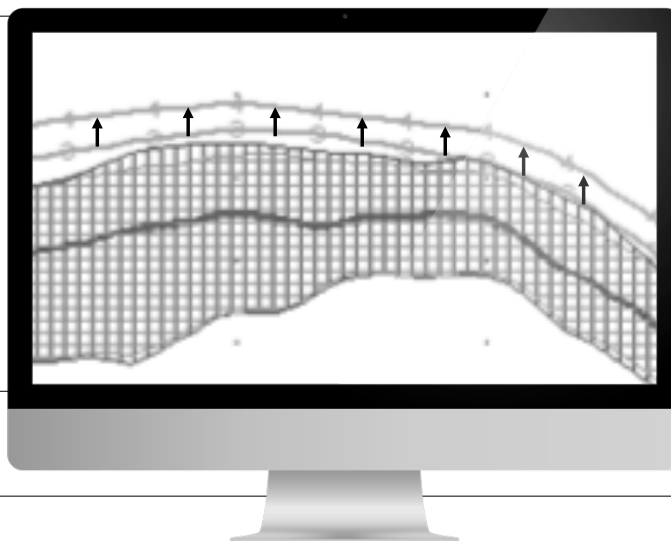


Lower compression ratios  
improve sound quality of  
the compressed signal



Vowels sound pleasant  
and natural

## 5 dB extra headroom for narrow band sounds



Presented in partnership with

**CONTINUED**

## Roger and directional

**PHONAK**  
life is on



Wagener, K. C., Vormann, M., Latzel, M., & Mülder, H. E. (2018). Effect of Hearing Aid Directionality and Remote Microphone on Speech Intelligibility in Complex Listening Situations. *Trends in Hearing*, 22, 1-12. doi: 10.1177/2331216518804945

## Naída connects

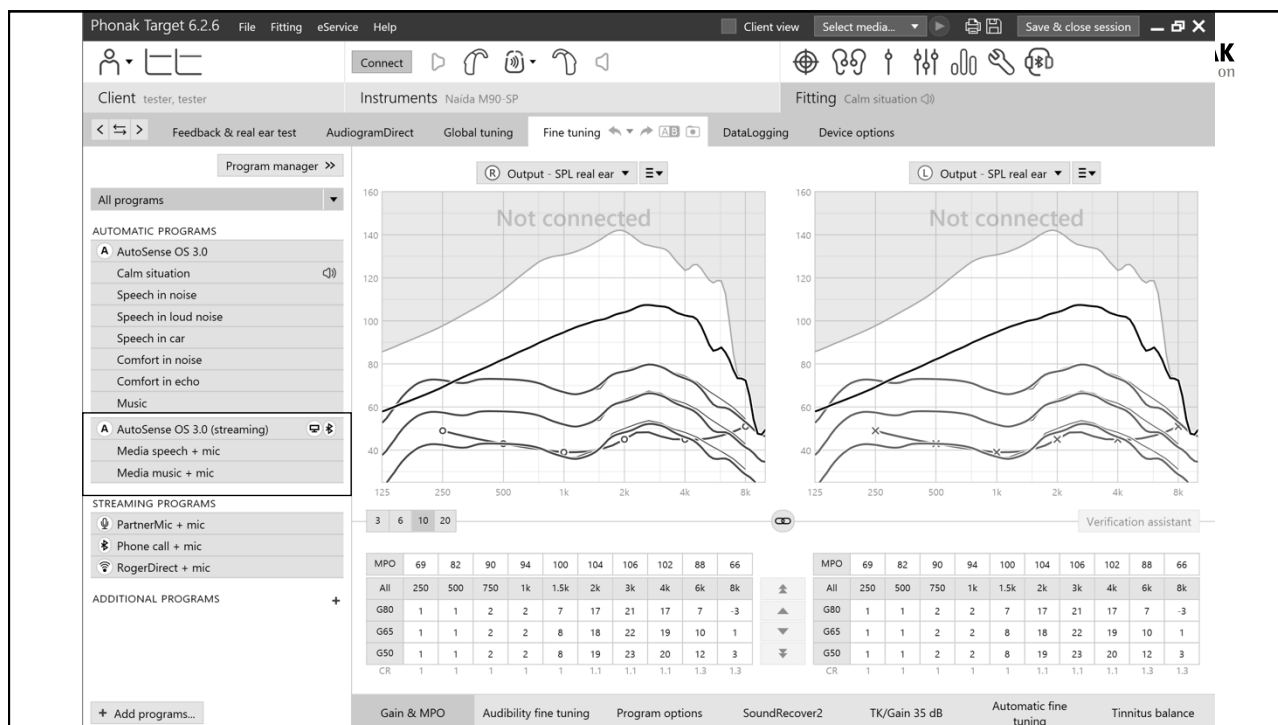
**PHONAK**  
life is on



○ Naída is the **world's first** super power BTE with **hands-free calls** that **directly connects** to iOS, Android or other Bluetooth enabled devices.

Presented in partnership with


**CONTINUED**



## Naída Marvel with AutoSense OS 3.0

**PHONAK**  
life is on

### Classification of **streamed speech** and **music**

**A** AutoSense OS 3.0 (streaming) 

Media speech + mic

Media music + mic

Presented in partnership with

**CONTINUED**

## RogerDirect™

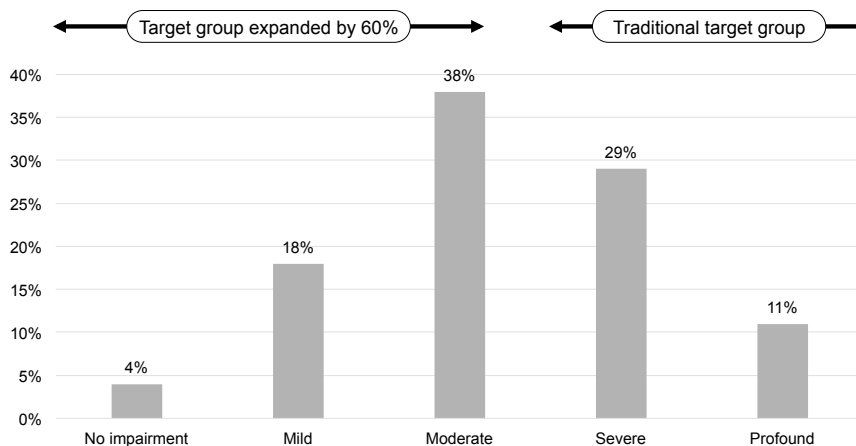
**PHONAK**  
life is on



\*Naída M SP with RogerDirect compared to Naída B SP + Roger receiver

## Roger suitable for more users than ever before

**PHONAK**  
life is on



### WHO scale:

Mild 26-40 dBHL

Moderate 41-60 dBHL

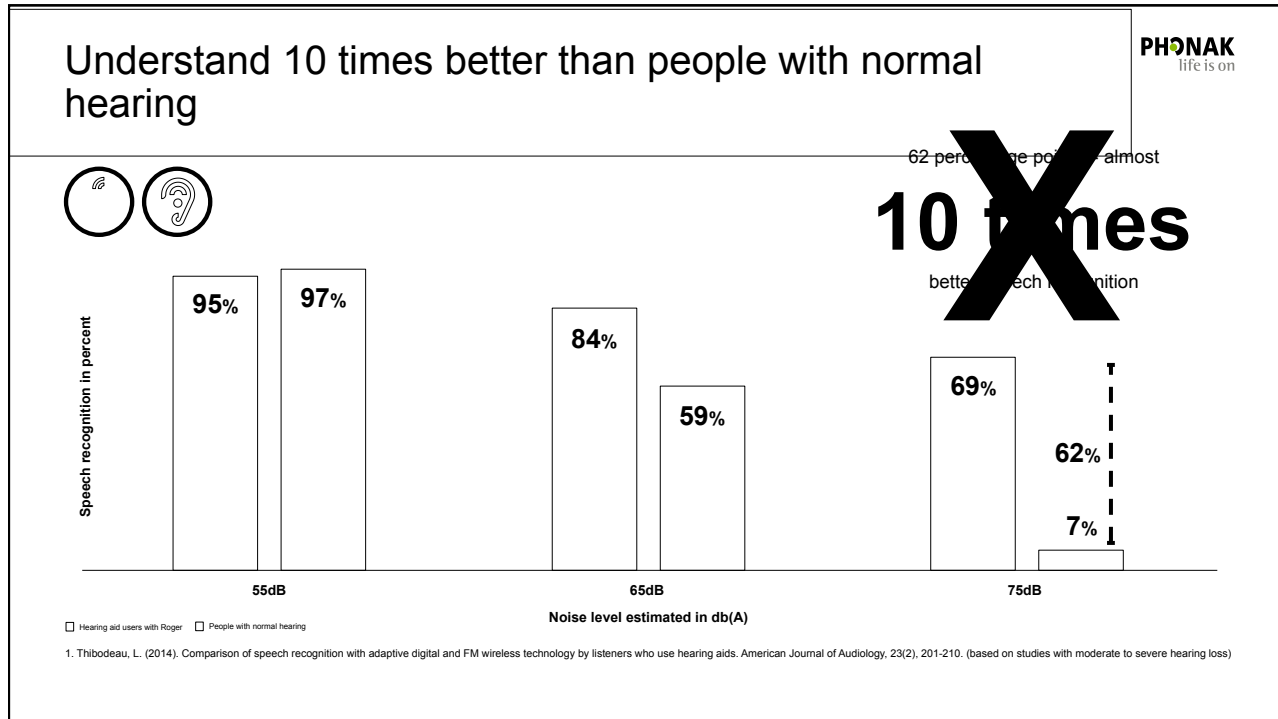
Severe 61-80 dBHL

Profound 81+ dBHL

HL level – Roger Pen (Sample 698 – Nr Patients)  
Senn. M., Baney L., (2018). An analysis of programs Roger Pen distribution across hearing loss – Phonak target fitting data. Unpublished data

Presented in partnership with

**CONTINUED**

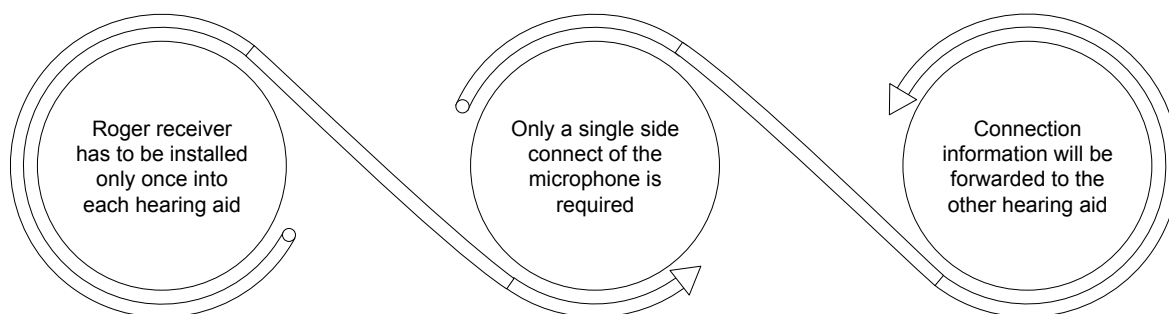


# RogerDirect

Presented in partnership with

CONTINUED<sup>®</sup>

## Roger installation: easily connected



Both Roger (02) and (03) wireless receivers can be installed into the same hearing aid

## Marvel Products and RogerDirect



Roger Installer pad  
w/ Roger X receivers



Roger iN microphone

Presented in partnership with



## Roger iN installation video



How to install a Roger receiver into a hearing aid using the Roger iN microphone

## Compatible with all Roger microphones



Roger Select / Roger Select iN



Roger Table Mic II / Roger Table Mic II iN



Roger Pen / Roger Pen iN and EasyPen



Roger Clip-On Mic

Presented in partnership with

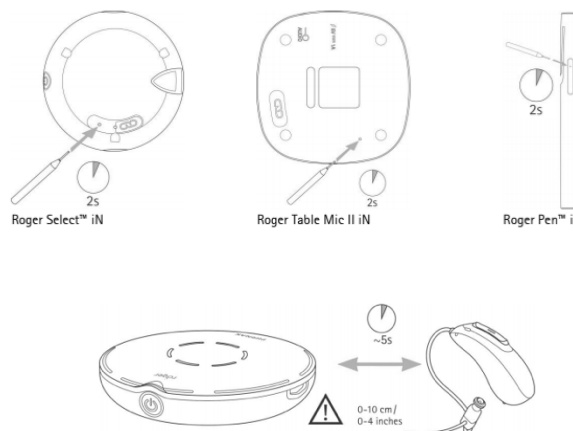


## Roger Installation

**PHONAK**  
life is on

Installation steps:

1. Switch on the Roger iN microphone
2. Press and hold the install button for two seconds until the indicator light starts to blink green
3. Place the Roger iN microphone on the table
4. Switch on one hearing device (keep other hearing devices switched off) Phonak Roger™ iN microphones
5. Place the hearing device close to the Roger iN microphone (within 10 cm / 4 inches)
6. Wait approximately 5 seconds until the indicator light on the Roger iN microphone turns solid green
7. Repeat step 2. to 6. with the second hearing device.



Instructional videos can be found on [www.phonakpro.com](http://www.phonakpro.com)

## Roger Demo techniques

**PHONAK**  
life is on

- Quick & Easy
- 10 minute demonstration of Roger in office
  - Ease of use
  - Outstanding performance
- Demo guide provides scripting & easy to follow instructions

**Phonak**  
**RogerDirect™ demo guide**

This guide is to assist you in quickly (10 minutes) and easily demonstrating the benefits of the Roger Select™ iN for your patients using Phonak Marvel™ hearing instruments.

**Equipment needed**

- Round or rectangular table, size approximately 1 meter / 3 feet in diameter/length if possible
- Roger Select iN microphone
- Loudspeaker to create noise, connected to a computer. (Ex: Party noise file from Phonak Target media software)

It's also nice to have a Roger MyLink with headphones available for patient's family or friends to experience demo

**Preparation**

1. Make sure the equipment is well charged
2. Place the noise speaker approximately 2 meters / 6 feet away from the center of the table and calibrate the noise level to around 70 dBA at the center of the table

**Getting started**

1. Install Roger™ in both Phonak Marvel hearing instruments and remember to uninstall after the demonstration
2. Invite the patient and significant other(s) to sit around the table

Do	Say
1. Switch on the Roger Select and place it in the center of the table	This is Roger Select, a versatile microphone ideal for stationary situations where background noise is present. As you can see, Roger Select picks up each speaker's voice around the table. Roger Select immediately switches the beam in the direction of the current talker. It quickly reacts to changing talkers, keeping you in the conversation.  Let's see how the Roger Select performs in noise. I am going to add some noise.
2. After switching on the noise, wait 10 seconds for the Roger Select to adapt to the noise	Roger Select immediately switches the beam in the direction of the current talker. It quickly reacts to changing talkers, keeping you in the conversation.  [If family or friends are present, ask them to say something too.]

A Sonoma brand

**PHONAK**  
life is on

Presented in partnership with

**CONTINUED**

## Additional Resources

How to choose what Roger to use?

**PHONAK**  
life is on



**Rogerpedia**  
Your A-Z of Roger™ for adults

A Sonnet brand

**PHONAK**  
life is on

Presented in partnership with

**CONTINUED**

## Roger microphone portfolio

**PHONAK**  
life is on

The wide range of Roger microphones offers a solution for every client. Regardless of the type of hearing aids or cochlear implants that they currently use, the different Roger microphones are capable of effectively dealing with various situations.

### Roger Select™ / Roger Select™ IN

Versatile microphone ideal for stationary situations where background noise is present. When placed in the center of a table, it discreetly and automatically selects the person who is talking and seamlessly switches from one talker to another. When multiple conversations take place, the listener can manually select whom to listen to.



### Roger Pen™ / Roger Pen™ IN / Roger EasyPen

Handy microphone for various listening situations. Thanks to its portable design, it can be conveniently used where additional support is needed over distance and in noise.



### Roger Table Mic II / Roger Table Mic II IN

Dedicated for working adults who participate in various meetings. It selects the person who's talking and switches automatically between the meeting participants. Multiple Roger Table Mic IIs can be connected to create a network, making it ideal for large meeting configurations.



### Roger Clip-On Mic

Small microphone designed for one-to-one conversations. Featuring a directional microphone, the user can focus on a conversation with their partner.



To find out which Roger microphone is best for your client visit [www.easyguide.phonakpro.com](http://www.easyguide.phonakpro.com)

The Roger Select IN, Roger Pen IN, and Roger Table Mic II all function just like their respective counterparts but without Bluetooth. The Roger IN microphones contain two Roger receivers that can be installed into a pair of Marvel hearing aids. When using an original Roger microphone with a Marvel hearing aid, disable the Bluetooth.

10

**PHONAK**  
life is on



### Dinner with friends and family

Dinners in restaurants usually include a complex mix of sounds and background noise. With the Roger Select distracting noises are cut out so clients can capture every word and stay ahead of the conversation.



### Social gatherings

Roger Pen is ideal for social gatherings – especially when music is playing and people are talking. Simply point it in the direction of the conversation and Roger delivers speech directly to the hearing aids.



### At home

Roger microphones reduce distracting background noise like the rattle of kitchen utensils or the blare from a TV. This allows clients to fully enjoy conversations, and make time spent with family, loved ones or friends truly special.



### TV and multimedia

Roger microphones can easily be connected to the TV, video conference and other multimedia sources to help stay connected.

Presented in partnership with

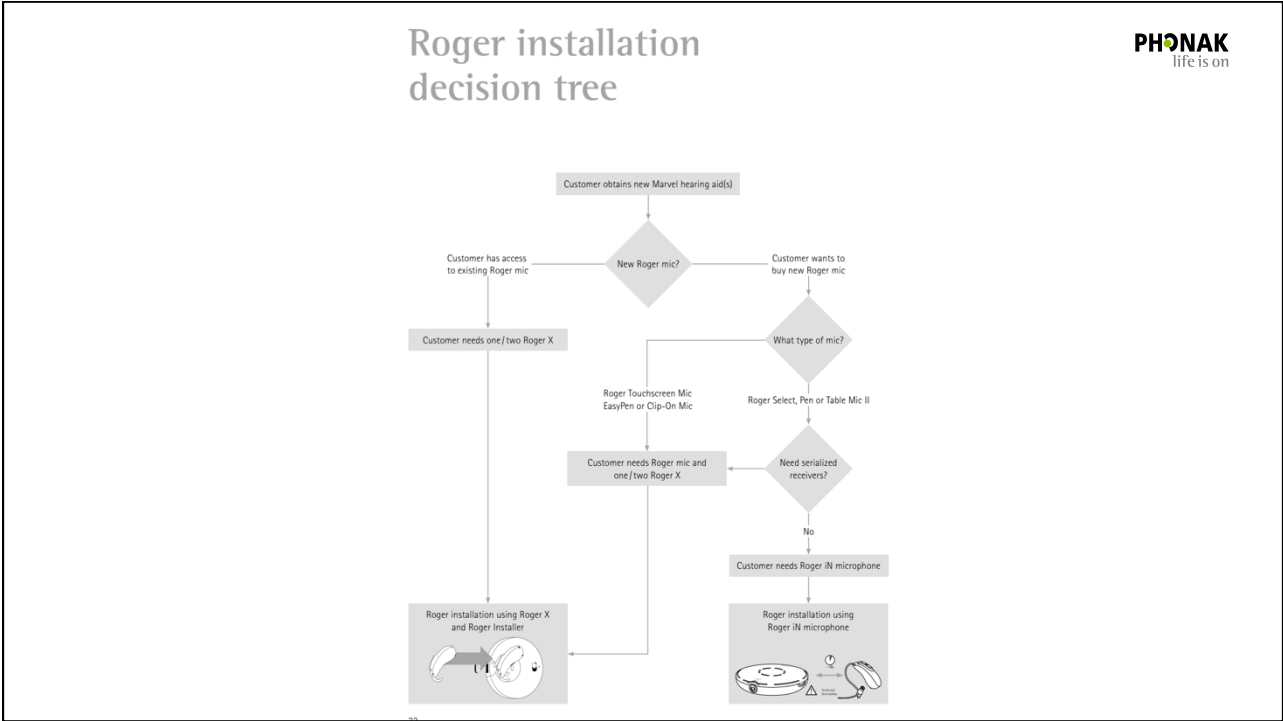
**continued**

PHONAK  
life is on

		Design-integrated for Phonak hearing aids		Universal		
		Roger 18	Roger 19	Roger X	Audio shoe	Roger MyLink
Hearing aid	Model					
		18	19	X	AS18	AS19
Roger 18	Phonak Audio B-13					
	Phonak Audio B-3121					
	Phonak Audio B-3122					
	Phonak Audio B-35					
	Phonak Audio B-4					
	Phonak Audio B-3000					
	Phonak Audio B-31					
	Phonak Audio B-32					
	Phonak Audio B-33					
	Phonak Audio B-34					
Roger 19	Phonak Audio B-3121					
	Phonak Audio B-3122					
	Phonak Audio B-35					
	Phonak Audio B-4					
	Phonak Audio B-3000					
	Phonak Audio B-31					
	Phonak Audio B-32					
	Phonak Audio B-33					
	Phonak Audio B-34					
	Phonak Audio B-35					
Roger X	Phonak Audio B-3121					
	Phonak Audio B-3122					
	Phonak Audio B-35					
	Phonak Audio B-4					
	Phonak Audio B-3000					
	Phonak Audio B-31					
	Phonak Audio B-32					
	Phonak Audio B-33					
	Phonak Audio B-34					
	Phonak Audio B-35					
Audio shoe	Phonak Audio B-3121					
	Phonak Audio B-3122					
	Phonak Audio B-35					
	Phonak Audio B-4					
	Phonak Audio B-3000					
	Phonak Audio B-31					
	Phonak Audio B-32					
	Phonak Audio B-33					
	Phonak Audio B-34					
	Phonak Audio B-35					
Roger MyLink	Phonak Audio B-3121					
	Phonak Audio B-3122					
	Phonak Audio B-35					
	Phonak Audio B-4					
	Phonak Audio B-3000					
	Phonak Audio B-31					
	Phonak Audio B-32					
	Phonak Audio B-33					
	Phonak Audio B-34					
	Phonak Audio B-35					

Water resistance: IP68<sup>1</sup> for Roger 18 and Roger 19  
Infant security: Tamperproof housing kit for babies and toddlers (0-36 months) available for Roger 18 and Roger 19

1 Roger X must be used with a ComPilot or ComPilot II streamer  
2 Only with Roger  
3 IP68 indicates that when connected to a compatible hearing instrument the Roger receiver was not damaged beyond repair after 8 hours in a dust chamber, nor after being immersed in 1 meter (3 feet) of water for 30 minutes as defined by IEC60529



## Other resources

**PHONAK**  
life is on

The screenshot shows the PHONAK Roger Configurator web application. The browser address bar displays the URL: <https://www.phonakpro.com/en/support/product-support/wireless-accessories/roger-configurator.html>. The page header includes the PHONAK logo, a search bar, and a sign-in link. The main navigation menu has links for Home, Products, eSolutions, Support (highlighted), Training & Events, Marketing, and Resources. Below the navigation is a large grey banner with the text "Roger Configurator". Underneath the banner is a progress bar with four steps: Hearing Instrument, Microphone, Receiver, and Configuration. The "Hearing Instrument" step is currently active. To the left of the progress bar is a diagram showing a hearing aid, a microphone, and a receiver connected by plus signs, followed by an equals sign and a document icon. Below this diagram is the text: "Roger works with almost every hearing system on the market. This tool makes it easy to find the equipment you need for your client." To the right of the progress bar is a section titled "Choose a Hearing Instrument" with three dropdown menus: "Select a brand", "Select a product family", and "Select a model". Below these menus is a "Get Started" button. A "Start Over" button is located at the top right of the configuration area.

## Repair Form

**PHONAK**  
life is on

### Step 3: RogerDirect™ Installation Information

Is RogerDirect installed in the Marvel™ device? ☐ Yes ☐ No

If yes, please select the install method:

☐ Roger X (02) / Pediatric

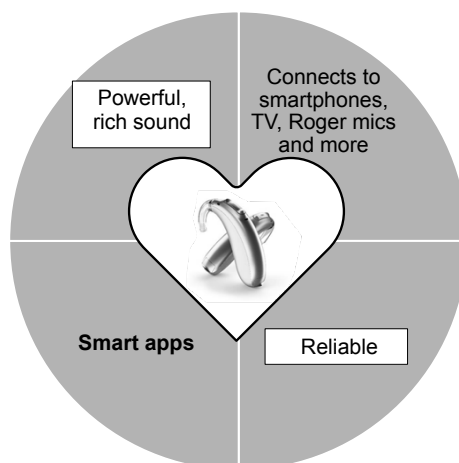
☐ Roger X (03) / Adult or Roger iN Microphone

Presented in partnership with

**CONTINUED**

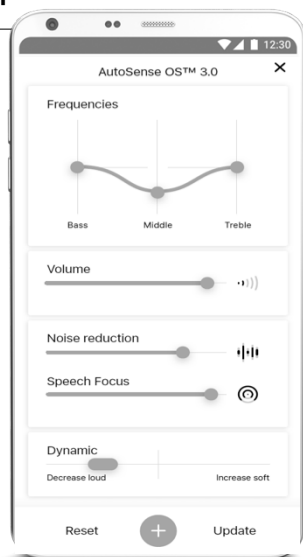
## Smart apps

**PHONAK**  
life is on



## Remote Control in myPhonak app More personalized hearing experience

**PHONAK**  
life is on



Personalize the sound of the hearing aid

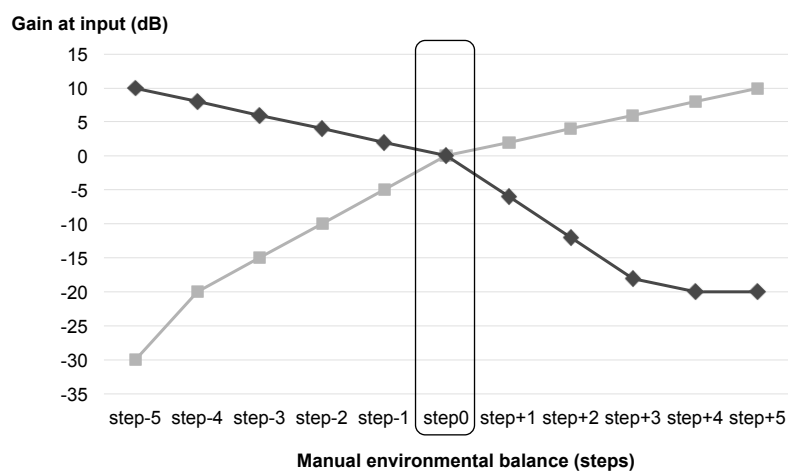
Select standard pre-settings and save personalized programs

Presented in partnership with

**CONTINUED**

## myPhonak app and Environmental balance for any program

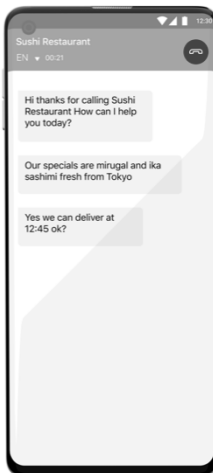
**PHONAK**  
life is on



## Smart apps support power users

**PHONAK**  
life is on

**myPhonak app**  
with Remote Control  
and Remote Support



**myCall-to-Text**  
**app**  
client can read  
conversation text  
in real-time

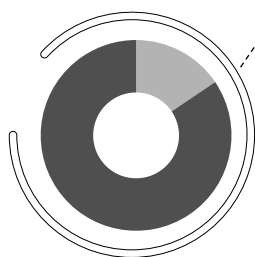
Presented in partnership with

**continued**

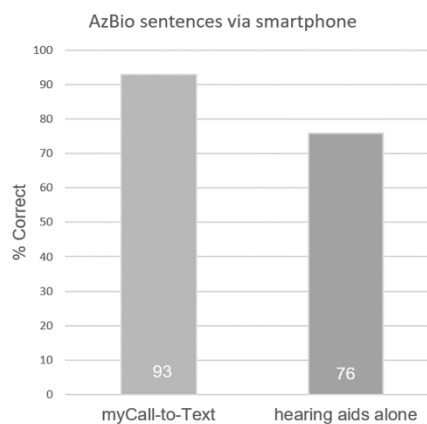
## Smart app: myCall-to-Text pilot study



The ability to follow the conversation on the phone improved by



**17%**  
with text compared  
to auditory alone.



Results from pilot study. Full study in progress. Final results expected in Spring 2020, to be published at [www.phonakpro.com/evidence](http://www.phonakpro.com/evidence).

## Phonak RemoteControl: easy to use



Presented in partnership with



## Connects to more



### Phonak PartnerMic™

- AirStream™ technology
- For one-to-one conversations
- Always directional regardless of position
- Easy to use

## When to use PartnerMic vs Roger



PartnerMic	Roger Select iN, Roger Pen iN
Fixed gain	Adaptive gain
One-to-one	Multiple talkers
One situation	Multi situation
Pairs to 1 set of Marvel hearing aids	Multiple Networks available



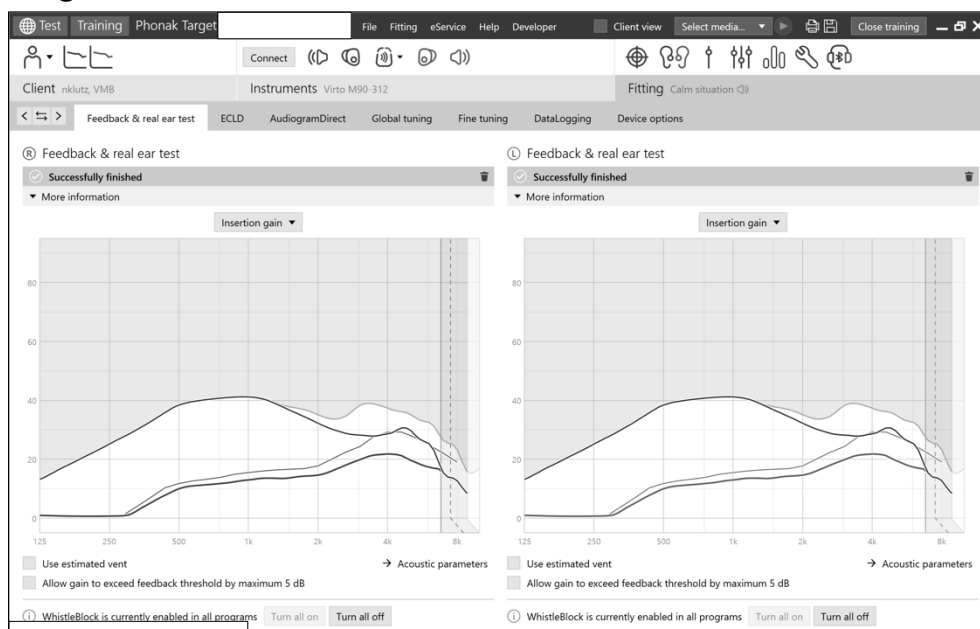
Presented in partnership with



# Target 6.2

## Target 6.2.6 Feedback test for OVPU

**PHONAK**  
life is on

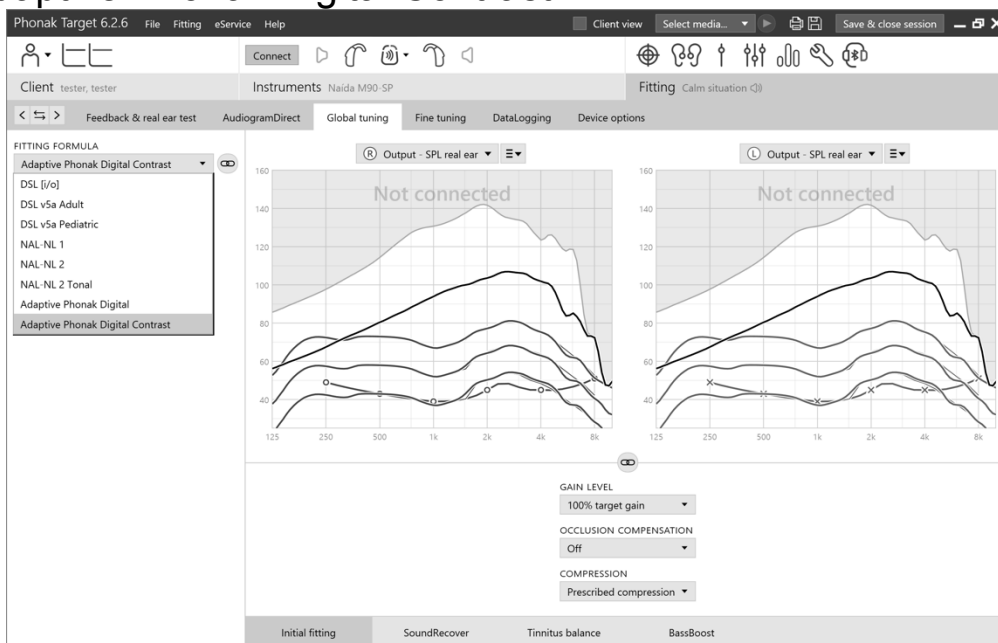


Presented in partnership with

**CONTINUED**

## Adaptive Phonak Digital Contrast

**PHONAK**  
life is on

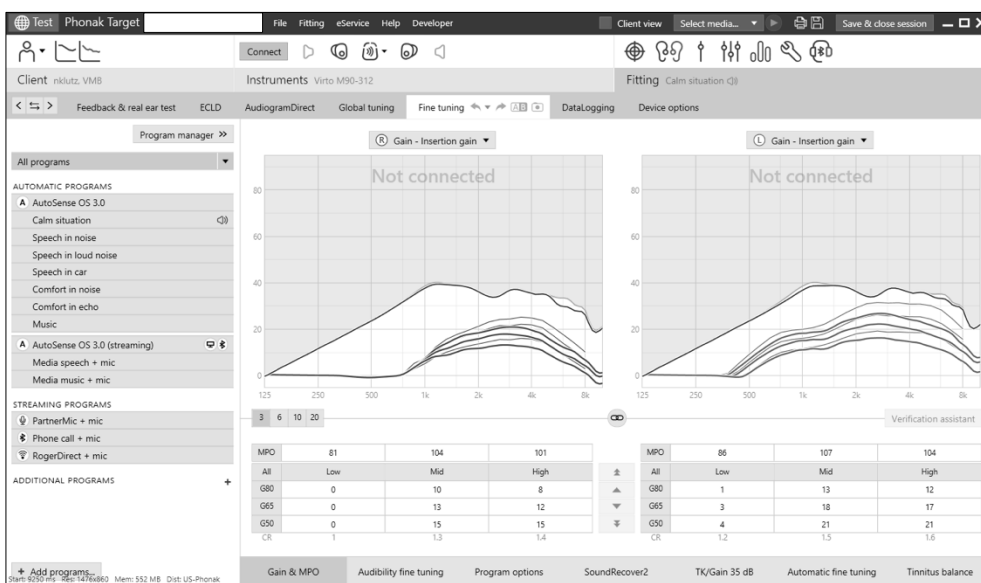


63

## Target 6.2

## No changes to Global & Fine Tuning

**PHONAK**  
life is on

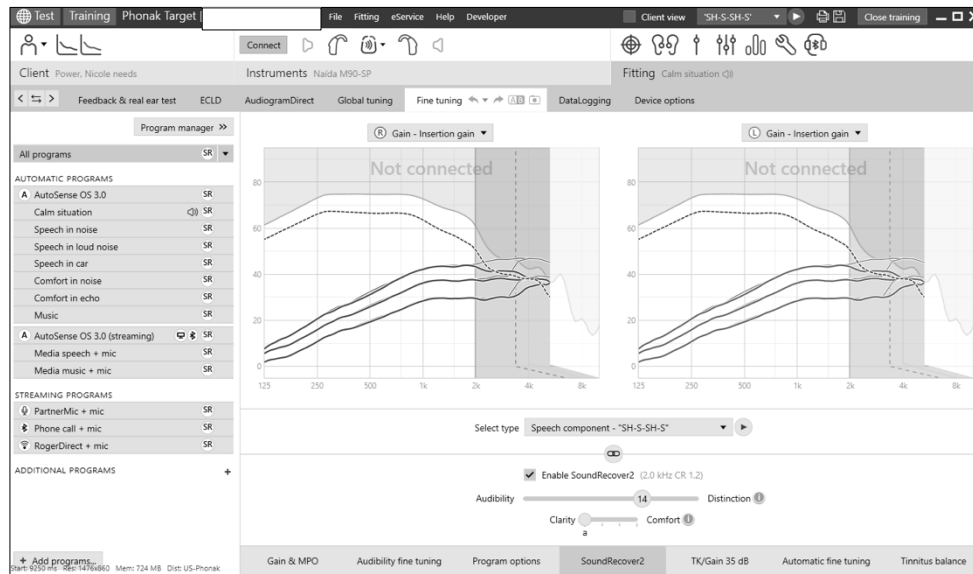


Presented in partnership with

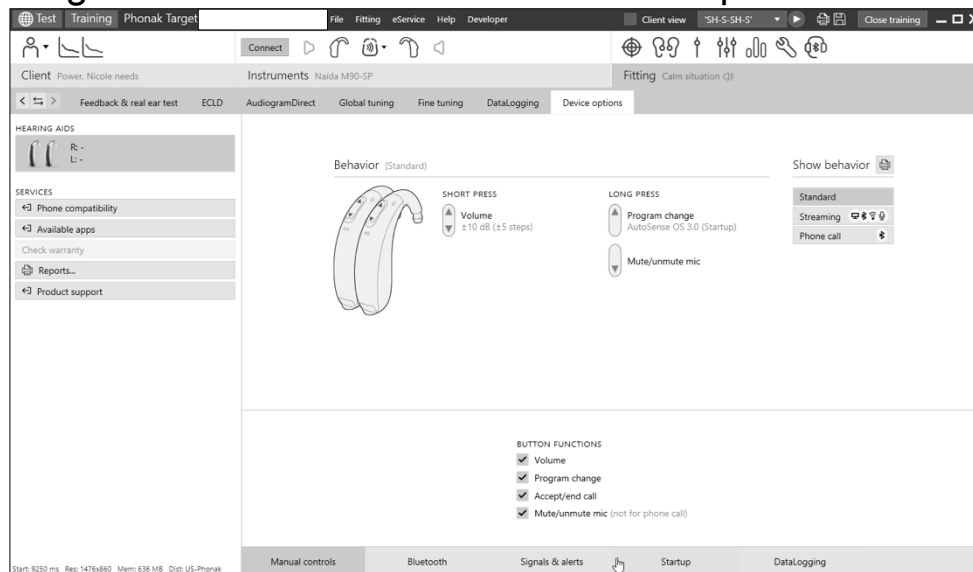
**CONTINUED**

## Target 6.2

## SoundRecover2

**PHONAK**  
life is on


## Target 6.2 &amp; Naida M SP: Push button options

**PHONAK**  
life is on


Presented in partnership with

**continued**®

## Target 6.2: Roger installation status

**PHONAK**  
life is on



## Marvel family reloaded

**PHONAK**  
life is on

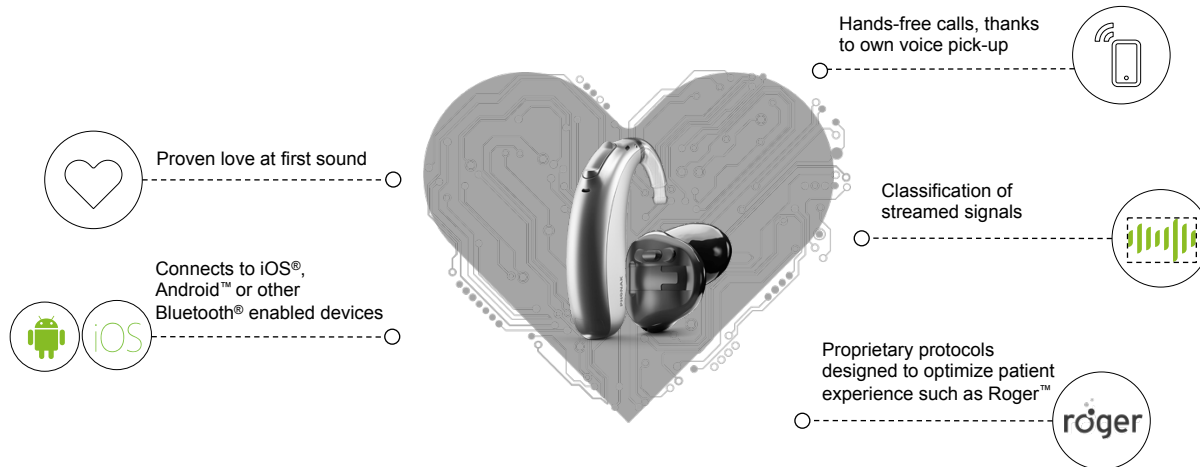


Presented in partnership with

**continued**

## Marvel stands alone

**PHONAK**  
life is on



Together,  
we change lives

Presented in partnership with

**CONTINUED**