

Rediscover the wonder of sound



Phonak Audéo™ Paradise

There's nothing like the sound of Paradise

A Sonova brand

PHONAK
life is on



Phonak Audéo Paradise embodies leading technology based on trusted Phonak sound quality and proven multifunctionality.

Technologies and features	Marvel	Paradise
Sound processing chip	Marvel sound processor	NEW PRISM™
Connectivity multiprotocol chip	Sonova Wireless One Radio Digital 3.0	
Motion sensor		NEW
APD (Adaptive Phonak Digital)	•	NEW 2.0
AutoSense OS™	3.0	NEW 4.0
– Binaural VoiceStream Technology™	•	•
– Speech Enhancer		NEW
– Dynamic Noise Cancellation		NEW
– Motion Sensor Hearing		NEW
RogerDirect™	•	•
TV Connector, PartnerMic and Remote Control compatibility	•	•
Direct Bluetooth® connectivity with iOS®, Android™ and other Bluetooth®-enabled devices	•	NEW 2 devices
Hands-free phone calls	•	•
Tap Control		NEW
myPhonak app	3.0	NEW 4.0
– Hearing Diary	1.0	NEW 2.0
– Remote Support	•	NEW Now with AudiogramDirect
– Remote Control	•	•
Client Dashboard	1.0	NEW 2.0
Hearing Screener	1.0	NEW 2.0
Phonak Target	6.0	NEW 7.0

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Phonak Audéo Paradise

There's nothing like the sound of Paradise

At Phonak, we've identified what patients expect from a hearing aid. Ultimately, they want great sound quality, multifunctionality and the ability to control and personalize their hearing aid in any situation. Phonak Audéo Paradise delivers on these expectations to provide hearing aid wearers with an **unrivaled hearing experience**.

With a host of newly developed hardware and features working perfectly in sync, Paradise gives access to subtle layers and textures of sounds in numerous environments. Its multifunctional abilities allow for multiple Bluetooth-enabled devices to be connected, while the new Tap Control gives the wearer easy access to Bluetooth functions. Paradise is powered by proven lithium-ion rechargeable battery technology and provides a full day of listening including audio streaming.¹ Furthermore, Paradise gives hearing aid wearers control of their device with the upgraded myPhonak 4.0 app.

With Phonak Audéo Paradise, we are elevating the hearing experience by providing technology that enables those with a hearing loss to be connected socially, thrive mentally and emotionally, which is fundamental for overall well-being.²

Unrivaled sound quality

- New sound processing chip – PRISM
- New motion sensor
- New Adaptive Phonak Digital 2.0 fitting formula
- New AutoSense OS 4.0

Personalized digital solutions

- New myPhonak 4.0 app
- New Client Dashboard 2.0
- New AudiogramDirect for Remote Support

Universal connectivity

- Connects to smartphones, TV and more
- Made for All – iOS, Android and Bluetooth compatible
- Multiple Bluetooth connections
- New Tap Control for easy access to Bluetooth functions

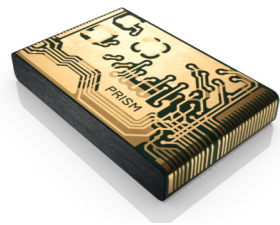


¹ Expected battery life of 16 hours, including 8 hours of AutoSense™ OS listening paired with 4 hours of BT classic streaming and 4 hours of TV Connector streaming.
² Vercammen, C., Ferguson, M., Kramer, S.E., Meis, M., Singh, G., Timmer, B., Gagné, J.-P., Goy, H., Hickson, L., Holube, I., Launer, S., Lemke, U., Naylor, G., Picou, E., Scherpiet, S., Weinstein, B., & Pelosi, A. (2020). Well-Hearing is Well-Being: A Phonak Position Statement. Hearing Review, 27(3):18-22. Accessed June 1, 2020.

Unrivaled sound quality

Phonak Audéo Paradise features all new hardware, allowing it to excel in performance. The result? A system that confirms our position as industry leader in audiological excellence and sound quality.

New Paradise hardware



New sound processing chip PRISM
PRISM (Processing Real-time Intelligent Sound Management) new generation chip with double memory and more connectivity possibilities.



New motion sensor
Ultra-low power motion tri-axial accelerometer that supports new hearing performance and features. The sensor delivers high performance functionality coupled with low power consumption.



New Paradise processing and features

New APD 2.0

Challenge

Sensorineural hearing-impaired listeners typically experience reduced dynamic range of sounds and loss of spatial awareness. This poses a challenge for hearing aid fittings: how to deliver an individualized situation-specific fitting to compensate for the hearing loss.

Solution

Our proprietary fitting formula, Adaptive Phonak Digital (APD) 2.0, is designed to balance audibility, loudness and sound quality. It does this by introducing a new processing algorithm and a new precalculation for a spontaneous first fit acceptance.

Benefit

The ultimate goal of hearing loss compensation is to enable patients to socially connect and enjoy all the sounds around them. From soft sounds to loud sounds, APD 2.0 is designed to provide patients with a naturalness of sound, such as:

- Reduction of perceived reverberation³
- Reduced listening effort in noise⁴
- Spontaneous first fit acceptance for mild to moderate hearing loss⁵



New AutoSense OS 4.0

Orchestrating unrivaled sound quality

Developed with artificial intelligence, the new AutoSense OS 4.0 is a perfect orchestration of features to personalize and create an unrivaled sound quality. AutoSense OS 4.0 perfectly blends our existing hearing performance features in combination with our new features, to support the variety of communication needs and lifestyles, thus supporting our patients' well-being.

New Speech Enhancer

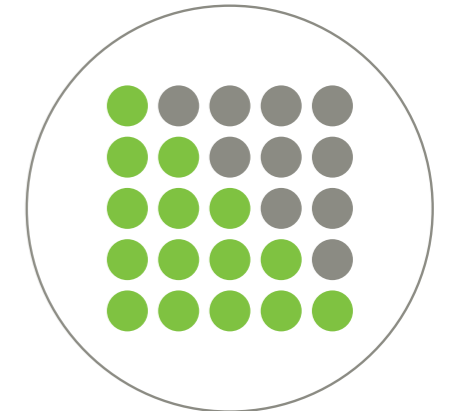
Speech Enhancer is designed to enhance the peaks of speech in quiet situations.

New Dynamic Noise Cancellation

A newly designed spatial noise cancellation feature that works in combination with a directional beamformer to improve the Signal-to-Noise ratio in challenging situations.

New Motion Sensor Hearing

Steering of the directional beamformer and Dynamic Noise Cancellation feature based on the patient's movement.



3 Hassager, H. G., Wiinberg, A., & Dau, T. (2017a). "Effects of hearing-aid dynamic range compression on spatial perception in a reverberant environment." J. Acoust. Soc. Am. 141, 2556-2568.

4 Wright, A. (2020). Adaptive Phonak Digital 2.0 – Next-level fitting formula with adaptive compression for reduced listening effort. Phonak Field Study News, retrieved from www.phonakpro.com/evidence, accessed August 19, 2020.

5 Senn, M. (2020). An analysis of fine-tuning applied at first fit. Phonak Target Fitting Data. Unpublished data. Contact claims@phonak.com if you are interested in further information.

New Speech Enhancer for quiet environments

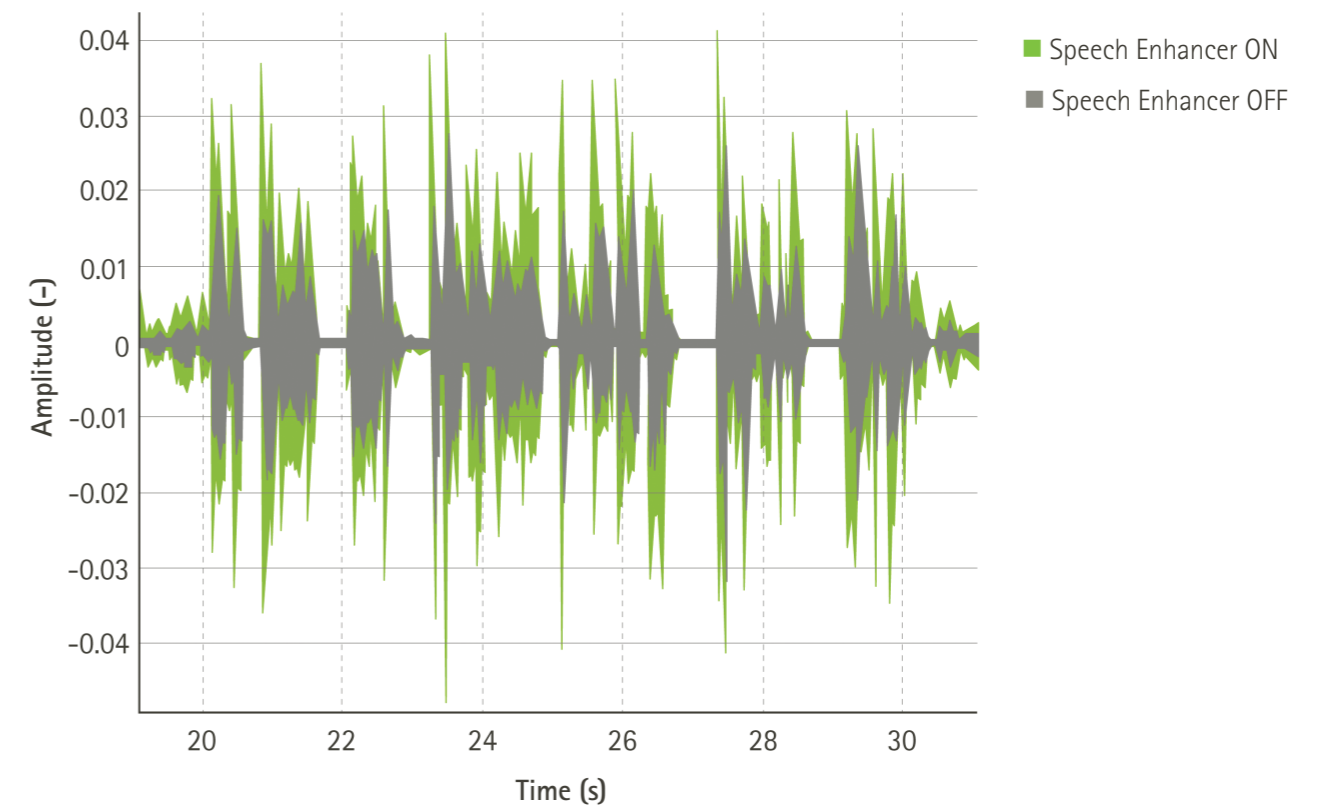
Challenge

Having to repeat a sentence does not only occur when background noise is present. Self-reported difficulty listening in quiet situations is a strong predictor in hearing aid acquisition and benefit.⁶ Being able to hear friends and family in quiet situations is as important as taking part in social gatherings. How do we increase the audibility of soft speech so it is easier to hear?



Solution

Speech Enhancer is an adaptive feature that is designed to enhance the peaks of a speech signal in quiet situations. It works automatically in AutoSense OS 4.0 without your patient having to lift a finger.



Speech waveform showing Speech Enhancer on (green) compared to off (gray)

⁶ Dillon, H., Hickson, L., & Seeto, M. (2018). Hearing aids: What audiologists and ENTs should know. Keynote address: World Congress of Audiology. Cape Town, SA.

New Dynamic Noise Cancellation for challenging situations

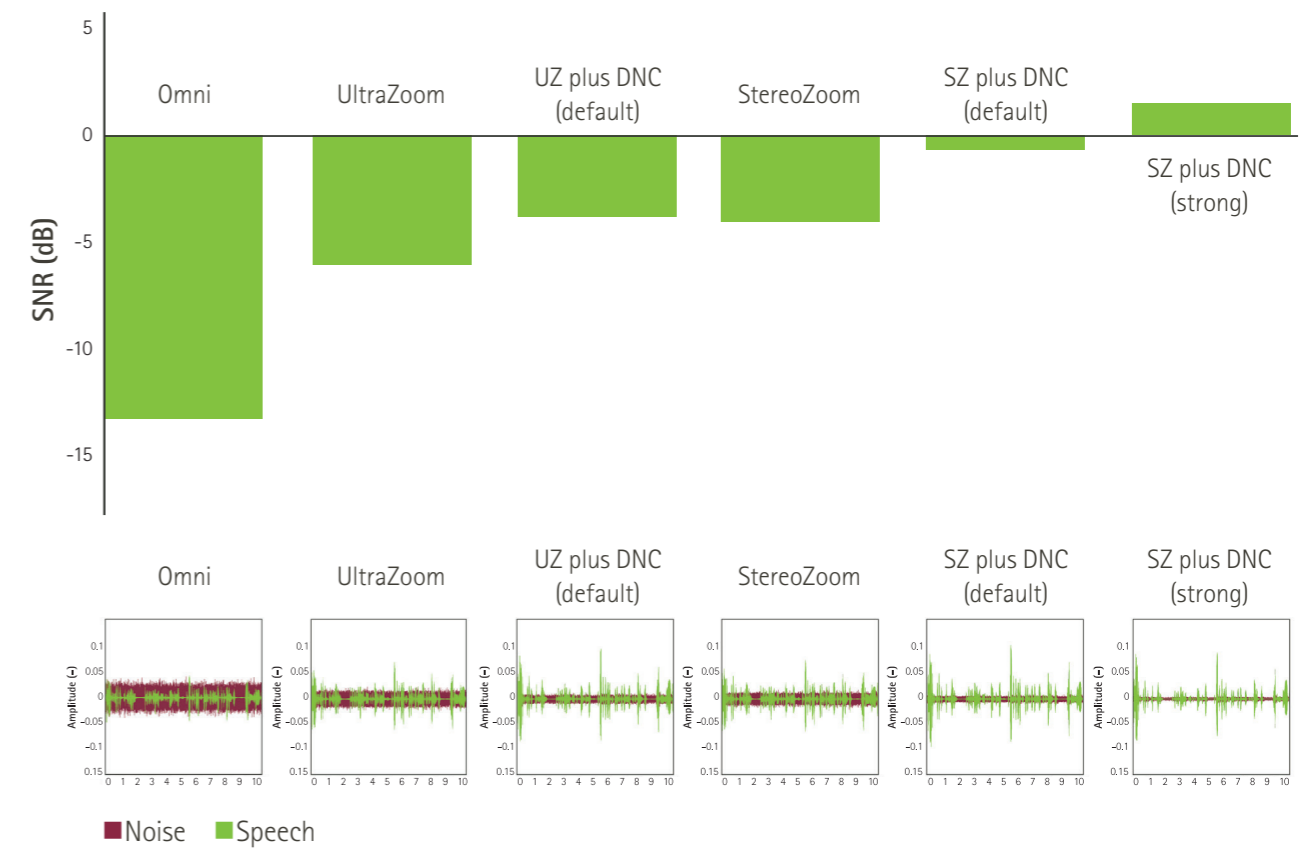
Challenge

Being able to fully participate in family and social gatherings plays an integral part of our quality of life and overall well-being. Although these events are usually filled with joy, they can pose a challenge for those with a hearing loss, often resulting in fatigue and frustration. The goal of a hearing aid in these challenging situations is to provide a balance between audibility of speech and comfort.



Solution

Dynamic Noise Cancellation is a spatial noise cancellation system that works in combination with a directional beamformer. Dynamic Noise Cancellation is designed specifically for those challenging social situations where the end user would like to converse with family and friends in the presence of background noise. Dynamic Noise Cancellation is automatically activated in AutoSense OS 4.0, and can also be adjusted by the patient in the myPhonak 4.0 app.



Signal-to-noise ratio and speech waveforms showing the combined effect of various beamforming settings and Dynamic Noise Cancellation (DNC) strengths.

New Motion Sensor Hearing for listening situations on the go

Challenge

Having a conversation while walking can be challenging, especially in a noisy environment. How can we design a hearing aid that can smoothly adapt its features while the patient is on the move?



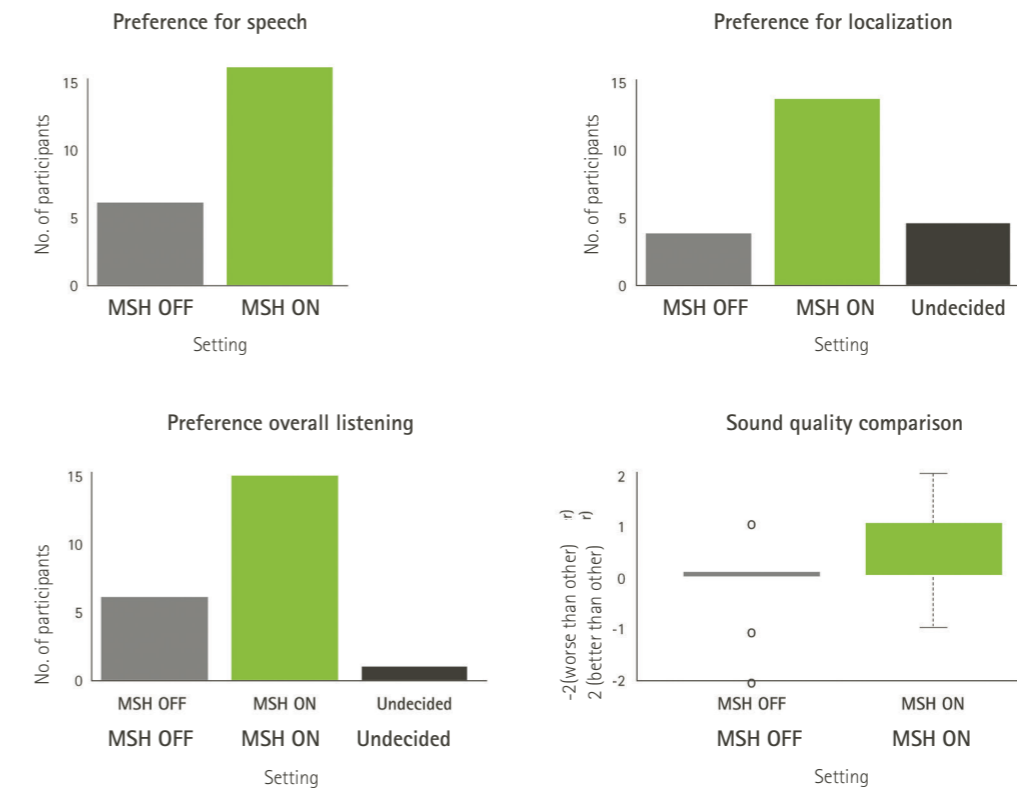
Solution

The new Motion Sensor Hearing feature works together with AutoSense OS 4.0 to detect if the patient is stationary or moving, and determines the noise level of the surrounding environment. Once the activity and noise level are determined, it automatically and seamlessly steers the microphone mode and Dynamic Noise Cancellation settings.

Note: available in 90/70/50 level rechargeable devices only.

Evidence

- Higher preference rating with speech perception, localization and sound quality⁷
- Higher preference rating overall⁷



Preference results for tasks related to speech and localization as well as for overall listening and sound quality preference results. Out of 22 participants, 16 preferred Motion Sensor Hearing (MSH) for speech, 14 preferred MSH for localization and 15 preferred MSH for overall listening.

⁷ Appleton, J., & Voss, S. C. (2020). Motion-based beamformer steering leads to better speech understanding and overall listening experience. Phonak Field Study News in preparation. Expected end of 2020.

Personalized digital solutions

Phonak has developed empowering smart apps and digital tools to unlock the full potential of Paradise, allowing for a more personalized experience.

New myPhonak 4.0 app

The new myPhonak 4.0 app offers numerous digital possibilities for patients, their communication partners and HCP's ensuring support and collaboration. This powerful mobile app allows both HCPs and patients to address various hearing needs which can be personalized remotely and in real-time.

The range of app features also allows patients to adapt their hearing preferences whenever necessary, giving them more control over their listening experience.

Numerous functions are available with the new Hearing Diary 2.0, Remote Support and Remote Control. The myPhonak app allows for configuration of Tap Control, provides information such as the status of connected hearing aids and accessories and more.



New Hearing Diary 2.0

Hearing Diary provides the HCP with valuable feedback shared by patients for various hearing situations and scenarios to make the necessary adjustments to suit specific needs. It is designed to increase satisfaction thanks to transparency and efficiency.

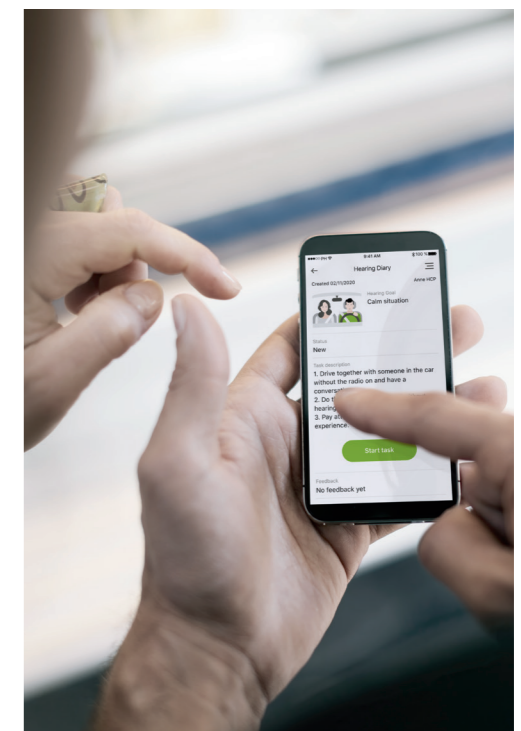
The new Hearing Diary 2.0 allows HCPs to set-up hearing goals with a patient, alone or together with their communication partner, and proceed to identify their feedback and hearing goals. It is completed in real-time, providing more accurate feedback from a listening environment.

Benefits for the patient

- Patients can share everyday feedback on their hearing experience
- Perform tasks designed to evaluate progress toward goals
- Communication partners can also provide feedback

Benefits for the HCP

- HCPs can define hearing goals for their patients and communication partners to increase their engagement and identify hearing goals
- HCPs can receive immediate hearing feedback and notifications shared by their patients



Remote Support

Remote Support allows an HCP to provide real-time remote video support including first fittings and follow-up to adjust and optimize hearing aid settings. It also allows the HCP to arrange for follow up sessions after receiving feedback through Hearing Diary 2.0.

Benefits for the patient

- Video connection with the HCP to solve hearing issues in real-time
- Patients can save time and effort on commuting to the HCP's location
- Easy connection through any Bluetooth-enabled smartphone* with the myPhonak 4.0 app and Wi-Fi or cellular network

Benefits for the HCP

- Possibility to connect with patients remotely – whenever and wherever
- HCPs can receive real-time feedback from patients



*Bluetooth® 4.2 wireless technology and most older Bluetooth phones

AudiogramDirect via Remote Support

AudiogramDirect is now available via Remote Support and allows the HCP to test a patient's hearing directly through their hearing aids, taking into account the properties of the individual ear, the acoustic coupling and the chosen hearing aids.

It is designed to check hearing thresholds during a follow-up session but can also provide a starting point for a new remote fitting for patients who are temporarily unable to get into the clinic.

Benefits for the patient

- Easy access via Remote Support with their iOS or Android smartphone and the myPhonak 4.0 app
- Remote hearing test directly through the hearing aids
- Enables a more personalized fitting experience

Benefits for the HCP

- Offers the world's first in-situ audiometry remotely through any iOS or Android smartphone
- Easily accessed in Phonak Target

New Client Dashboard 2.0

The new Client Dashboard 2.0 is an online dashboard to visualize feedback from patients and their communication partners, usage and datalogging information from the myPhonak app. It also enables the HCP to create tasks and set goals to allow for fine-tuning in follow-up sessions.

This is achieved in 3 steps:

Step 1

The web-based Client Dashboard allows an HCP to select tasks and to set hearing goals such as watching TV or listening to music.

Step 2

Hearing Diary allows patients to perform tasks by themselves or with their communication partners, capture feedback and share information about hearing aid satisfaction and usage data with an HCP in the myPhonak 4.0 app.

Step 3

Client Dashboard visualizes all the results for an HCP and provides an overview of patient satisfaction and possible issues. It also allows problems to be quickly identified so an HCP can react and assist patients to improve their over-all hearing aid satisfaction.

Benefits for the HCP

- New: define hearing tasks for the patient and their partner to understand how the patient hears in specific situations by integrating feedback
- Monitor satisfaction with the hearing aids
- Receive notification of any hearing issues or challenges
- Improve overall satisfaction and build strong relationship

New Phonak Target 7.0

91% of HCPs worldwide rate Phonak Target as their most preferred, or tied for most preferred, fitting software.⁸ With each new release of Phonak Target we implement several meaningful improvements to make the fitting process even more seamless.

In Phonak Target 7.0, HCPs can leverage the new functions and features of Phonak hearing aids which support a personalized fitting experience.

Benefits for the HCP

- New: Adaptive Phonak Digital 2.0 – new processing algorithm and new pre-calculation for reduced listening effort⁹
- New: Feedback threshold overtuning provides the HCP with more control and flexibility in order to achieve desired high frequency gain
- New: Speech Enhancer is designed to enhance the peaks of a speech signal in quiet situations and is tailored to the overall patient experience
- New: Motion Sensor Hearing – choice of three microphone ranges available to meet the activity needs
- New: Tap Control training provides the ability to coach the patient on how to properly double tap to activate Tap Control functionalities
- New: Soft noise reduction slider to reduce gain for sounds like clock ticking or fan noise
- New: Notes allows the HCP to write and see notations throughout the fitting session and set reminder notifications

⁸ Stöcklin, R. (2019) Market Research (ID1363). Please contact marketinsight@phonak.com if you are interested in further information.

⁹ Wright, A. (2020). Adaptive Phonak Digital 2.0: Next-level fitting formula with adaptive compression for reduced listening effort. Phonak Field Study News, retrieved from www.phonakpro.com/evidence, accessed August 19, 2020.



Universal connectivity

Phonak Audéo Paradise provides direct connectivity to iOS and Android smartphones, Bluetooth devices, TVs, Roger microphones and wireless accessories.

Multiple Bluetooth connections

The multifunctional capabilities of Paradise allow for up to eight Bluetooth-enabled devices to be paired, while two can be simultaneously connected. In today's virtually connected world, tech savvy hearing aid wearers can now switch effortlessly between two active Bluetooth devices.

New Tap Control

With a new motion sensor-based hearing aid, it is now possible to steer Bluetooth features via a double tap on the pinna. Patients can accept/end phone calls, pause/resume streaming and access Bluetooth-based voice assistant apps.

Note: Tap Control feature available in 90/70 level rechargeable models only.

A piece of Paradise for everyone



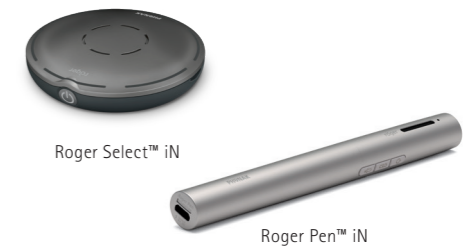
Color options



Wireless accessories

Roger™

Paradise hearing aids include RogerDirect™ which allows Roger iN microphones to stream directly to Audéo P hearing aids without having to attach an external receiver.¹⁰



Phonak TV Connector

The TV Connector can be used with Paradise hearing aids for excellent streamed sound quality.



Phonak PartnerMic™

This lightweight wireless microphone is ideal for one-on-one conversations. The PartnerMic streams speech directly to Paradise hearing aids.



Phonak Remote Control

Simple remote control for access to program changes and volume control.






¹⁰ RogerDirect requires the installation of Roger receivers into the Phonak hearing aids.

Take the first step
to help your patients
to connect socially,
thrive mentally and
emotionally with
Phonak Paradise.

Phonak Well-Hearing is Well-Being™

Hearing well goes beyond the ability to simply hear sounds clearly. It's linked to a greater state of social-emotional, cognitive and physical well-being. This bigger picture, with taking action to treat hearing loss as a catalyst for well-being, is what we refer to as **"Well-Hearing is Well-Being."**

-  **Social-emotional well-being**
Hearing well fosters easier engagement, stronger connections and a more positive outlook.
-  **Cognitive well-being**
Hearing well supports cognitive fitness.¹¹
-  **Physical well-being**
Hearing well enables people to live a more active and healthy lifestyle.



Visit phonakpro-us.com/well-hearing to implement Well-Hearing is Well-Being into your daily practice.

The content of this page, unless specified otherwise, is based on:

Vercammen, C., Ferguson, M., Kramer, S. E., Meis, M., Singh, G., Timmer, B., Gagné, J.-P., Goy, H., Hickson, L., Holube, I., Launer, S., Lemke, U., Naylor, G., Picou, E., Scherpiet, S., Weinstein, B., & Pelosi, A. (2020). Well-Hearing is Well-Being: A Phonak Position Statement. *Hearing Review*, 27(3):18-22. Accessed June 1, 2020.

¹¹ Karawani, H., Jenkins, K., & Anderson, S. (2018). Restoration of sensory input may improve cognitive and neural function. *Neuropsychologia*, 114, 203–213. <https://doi.org/10.1016/j.neuropsychologia.2018.04.041>

life is on

At Phonak, we believe that well-hearing equates to well-being and is essential to living life to the fullest. For more than 70 years, we have remained passionate about creating a world where 'life is on' for everyone. Our innovative hearing solutions are designed for people of all ages and all degrees of hearing loss, to connect socially, thrive mentally and emotionally.

www.phonakpro-us.com

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