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### On a Mac

- Open PDF in Preview
- Click File
- Click Print
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- Click Print
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## Conversations shine with Lumity

With unique Phonak SmartSpeech™ Technology for improved speech understanding<sup>1</sup>



## Learner Outcomes

- After this course, participants will be able to list the new products.
- After this course, participants will be able to describe the benefit of the new features.
- After this course, participants will be able to explain how to recommend the best Phonak solution for each patient.

# 75 years of innovation

**For 75 years Phonak has been at the forefront** of innovating hearing technology, dedicating decades to developing products that enable connections between millions of people.

**With our new platform** we continue to innovate to improve the No.1 consumer desire – Better speech understanding...

With Paradise we delivered on improving sound quality and HCPs... clients agreed that the sound **experience really was unrivaled.**



**Being an industry leader** we never stay still, we continue to innovate; we continue to light up connections and look forward to the next 75 years.

With Marvel we really generated **love at first sound** moving the needle on first fit success.

Lumity provides the sound quality you expect from an industry leader and focuses on **illuminating speech understanding.**

# What do patients want?

Speech understanding is important. In fact, the top 6 areas your patients want to hear better in are related to understanding speech.



Speech understanding when somebody is speaking from a certain distance<sup>1</sup>



Speech understanding in 1:1 conversation in a loud environment<sup>1</sup>



Understanding somebody who is speaking without seeing visual cues<sup>1</sup>



Understand soft speech in a quiet environment<sup>1</sup>



Speech understanding in a group conversation in a loud environment<sup>1</sup>



Speech understanding when watching TV<sup>1</sup>

# Phonak Lumity

- New StereoZoom 2.0
- New SpeechSensor
- ActiveVent Receiver
- Roger Technology
- AutoSense OS 5.0
- APD 2.0
- Heritage features

## Phonak SmartSpeech™ Technology



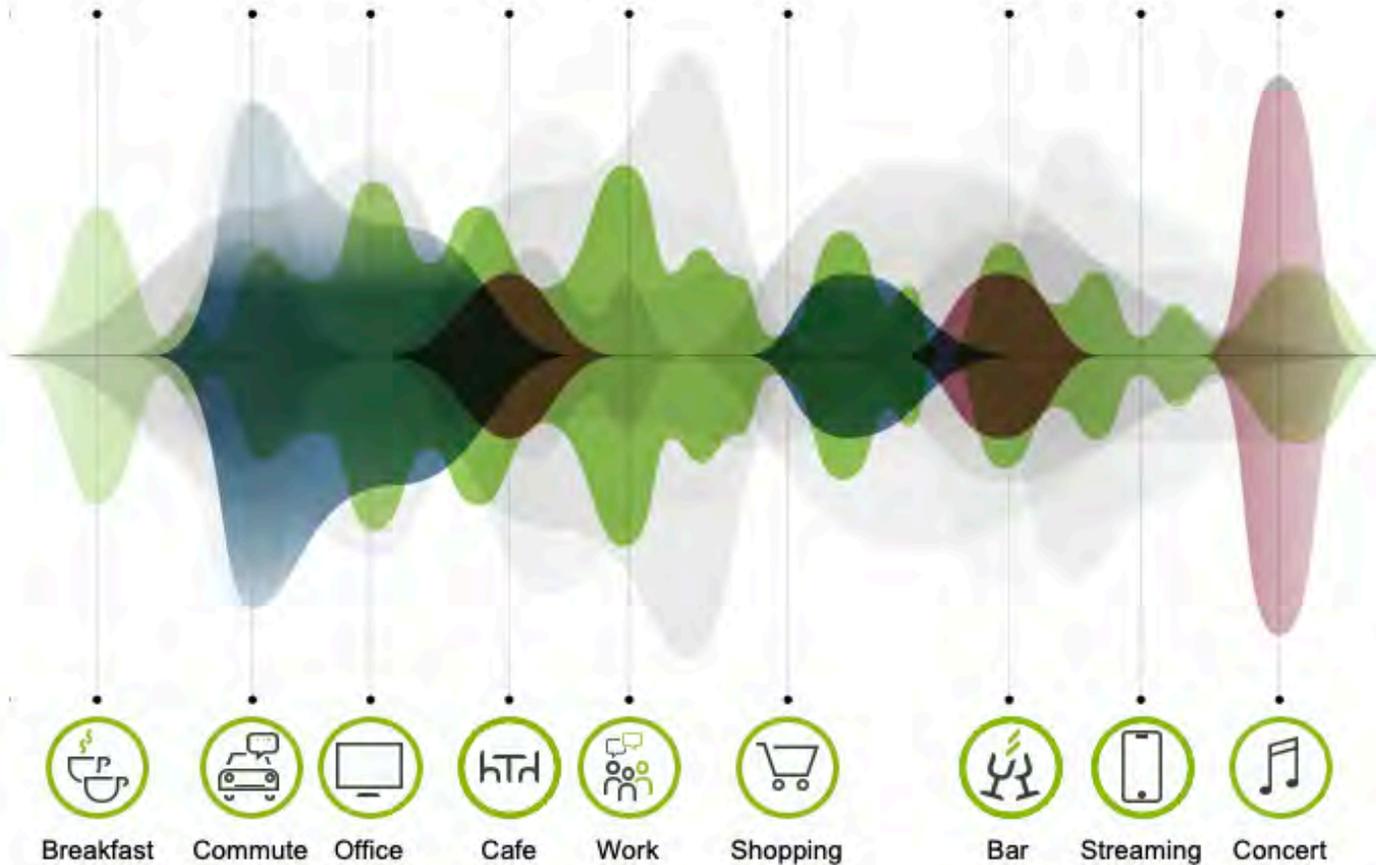
## Digital Services

- Bluetooth® connectivity
- Health data tracking
- Remote support and personalization

## Phonak Support Services

- Capture more leads
- Tailored learning and development
- Best practice guidelines
- Business Insights

# AutoSense OS: How it works



**200+** unique setting combinations  
to meet the individual needs of your patients

**700** scans per second  
for real-time adjustment to the environment

**22** years of innovation in machine learning  
using real-world sound recordings

# AutoSense OS 5.0 : orchestration of features



1. Appleton, J. (2020) AutoSense OS 4.0 - significantly less listening effort and preferred for speech intelligibility. Phonak Field Study News retrieved from [www.phonakpro.com/evidence](http://www.phonakpro.com/evidence), accessed August, 2022.  
 2. Latzel, M. & Hobi, S. (2022) Receiver with mechanical vent provides benefit of open and closed acoustics for better speech understanding in noise and naturalness of own voice perception. Accessed August 2022  
 3. Thibodeau L. M. (2020) Benefits in Speech Recognition in Noise with Remote Wireless Microphones in Group Settings. Journal of the American Academy of Audiology, 31(6), 404–411.  
 4. Woodward, J and Latzel, M (2022) New implementation of directional beamforming configurations show improved speech understanding and reduced listening effort. Phonak Field Study News

# Phonak SmartSpeech™ Technology



## Benefits of directional microphone technology



**26% better speech  
understanding\*<sup>1</sup>**

\* Compared to unaided, moderate to severe hearing loss

1. Woodward, J and Latzel, M (2022) New implementation of directional beamforming configurations show improved speech understanding and reduced listening effort. Phonak Field Study News

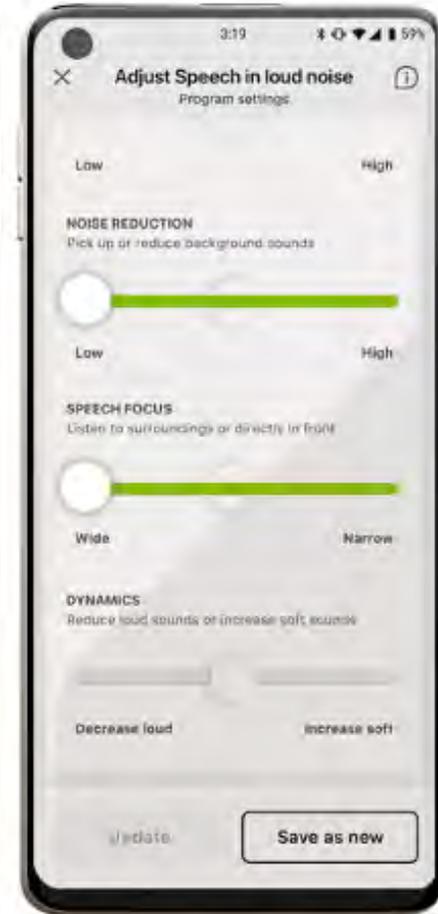
## StereoZoom 2.0: Smoother, smarter, stronger



1 **Smooth** transition from Speech in Noise into to Speech in Loud Noise.

2 **Smart** noise level dependent activation of strength.

# StereoZoom 2.0: Smoother, smarter and stronger



## StereoZoom 2.0: Hear more conversation from the front

**3.0dB better SNR** for speech from front in challenging environments\*

**2.5dB better SNR** at maximum strength compared to default strength\*\*

Independent study indicated that our sense of hearing contributes to sense of environmental awareness<sup>1</sup>



\* Compared to Real Ear Sound with power dome

\*\* with power dome

1. Brungart, D.S., Cohen, J., Cord, M., Zion, D., & Kalluri, S. (2014). Assessment of auditory spatial awareness in complex listening environments. The Journal of the Acoustical Society of America, 136(4), 1808. <https://doi.org/10.1121/1.4893932>.

## Speech Sensor: Accurate detection of speech, appropriate beamformer setting



- 1 Monitor noise level, Signal-to-noise ratio and direction of loudest speech signal.
- 2 Hearing aids exchange information.
- 3 Decision made based on information on which direction main speech is coming from.
- 4 ASOS 5.0 activates the most appropriate beamformer setting based on direction of speech.

## Speech Sensor: Detect the direction of speech

Constant monitoring of sound environment

360 degree picture of the sound environment

Accurate detection of speech signal in a challenging environment



# Lumity: A flexible solution to fit your patients



## From a distance

Speech Enhancer  
Roger



## In quiet

Speech Enhancer  
SoundRecover2



## While watching TV

TV Connector  
Roger



## 1:1 in noise

StereoZoom  
Ultra Zoom  
Motion Sensor Hearing  
Dynamic Noise Cancellation  
Roger



## Group in noise

StereoZoom  
UltraZoom  
SpeechSensor  
Dynamic Noise Cancellation  
Roger



Automatic where they want it, personalized where and when they need it



# Phonak Well-Hearing is Well-Being™



## Social-Emotional



**Fosters easier engagement, stronger connections and a more positive outlook**

## Cognitive



**Supports cognitive fitness<sup>1</sup>**

## Physical



**Can enable people to live a more active and healthy lifestyle**

1. Karawani, H., Jenkins, K., & Anderson, S. (2018). Restoration of sensory input may improve cognitive and neural function. *Neuropsychologia*, 114, 203–213.

# Well-Hearing is Well-Being with Lumity

## Social-Emotional

### Features that address speech understanding

- Motion Sensor Hearing
- Dynamic Noise Cancellation
- SpeechSensor
- StereoZoom 2.0
- ActiveVent Receiver
- UltraZoom
- Roger technology

## Cognitive

### Features that reduce listening effort

- APD 2.0
- Dynamic Noise Cancellation
- Speech Enhancer

## Physical

### Features that empower health

- myPhonak app
- Audéo Lumity Life
- AutoSense OS 5.0
- Motion Sensor Hearing
- Roger technology

# Audeo Lumity Portfolio



Audéo L-R



Audéo L-RT



**Charger Ease**  
Compatible with Audéo L-R & RT



Audéo L-RL Life



**Life Charger**  
Compatible with Audéo L-RL



Rechargeable Only



Sand Beige



Beige



Sandalwood



Chestnut



Champagne



Silver Gray



Graphite Gray



Velvet Black

# Phonak Digital Services

- New StereoZoom 2.0
- New SpeechSensor
- ActiveVent Receiver
- Roger Technology
- AutoSense OS 5.0
- APD 2.0
- Heritage features

**Phonak  
SmartSpeech™  
Technology**



**Digital  
Services**

- Bluetooth® connectivity
- Health data tracking
- Remote support and personalization

**Phonak Support Services**

- Capture more leads
- Tailored learning and development
- Best practice guidelines
- Business Insights

# myPhonak app

**Support for hearing aid devices:** Battery monitoring, wearing time and cleaning reminders

**Personalization** of his hearing experience

**Control for speech understanding –** Speech Focus slider and StereoZoom 2.0



**Health features** including step counting, goal setting, and overall activity levels

**Convenience of Remote Support**

# Lumity Health features in myPhonak: Key features

Live step counting



Wearing time tracking



Activity levels



Distance walked and ran



Optional goal setting



Be sure to register in the app for use of Health features

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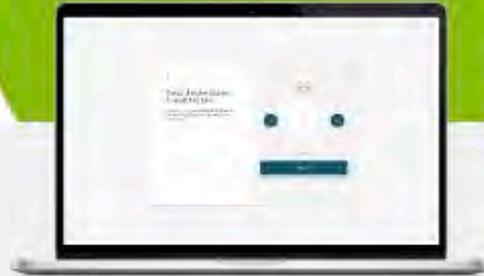
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## Partner for success with an industry leader



Marketing support



Tailored learning and  
development



Expert business insights and  
best practice benchmarks



Together,  
we change lives ●