

Marvelous Products & Solutions

Phonak Audeo™ Marvel



A Sonova brand

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Learning outcomes

1. Participants will be able to describe the differences in the new Audeo M product family
2. Participants will be able to summarize the technological benefits of the SWORD™ chip and the benefits to patients wearing Audeo Marvel
3. Participants will be able to describe the new features of Autosense OS™ 3.0 and hearing performance in Audeo



Meet Marvel Phonak Audeo™ M

Marvel – the combination of all things great

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Clear,
rich sound

Connects to
smartphones,
TV and more

Love at first sound

Smart
apps

Rechargeable

Phonak Marvel™

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Rechargeable



TV Connector



RogerDirect ready



Remote app

Audéo Marvel is designed with a purpose

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Audéo Marvel

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Audéo M-312



Audéo M-R






Audéo M-312T



Audéo M-13T



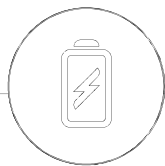
Audéo M-RT

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Direct  	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hands-free phone calls	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Roger	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rechargeable 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
T-Coil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Available in 90, 70, 50, 30	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Rechargeable Audéo M

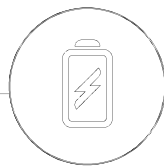
Enjoy a full day of hearing including streaming

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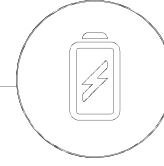
Easy to use

- Automatically on out of the charger
- Super Quick Charging
- 3 color indicator light



Reliability

- Battery engineered to last 6 years
- Completely integrated battery
- All electronics packaged in a sealed component



No compromise

- Direct connectivity to iOS and Android
- Smaller and T-Coil
- Binaural VoiceStream Technology™

All thanks to a new power management system

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1

Setting the automatic on/off in Target or Remote app

2

New multicolor indicator lights

3

Fit and charge at the same time

4

Battery state of charge visible in the Remote app



Charging options

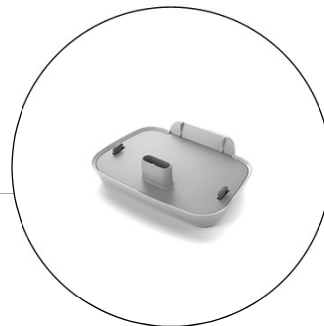
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Phonak Mini Charger Case



Phonak Charger Case Combi



Phonak Power Pack

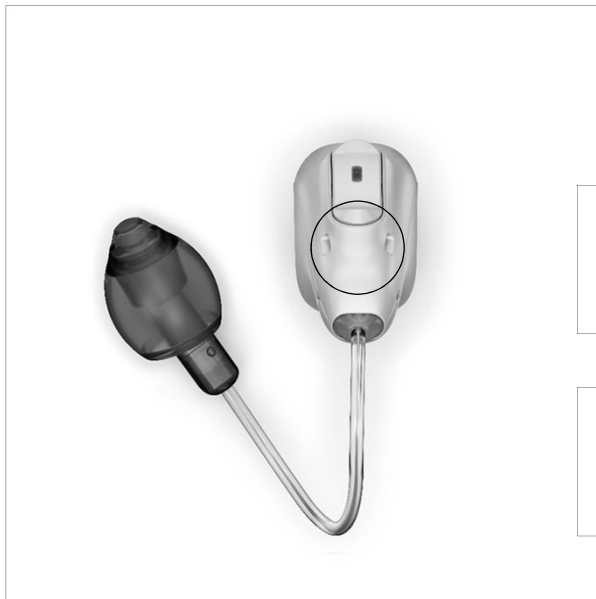
Multi-function button

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New microphone inlets for reduced wind noise

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2 side-facing inlets protecting the microphones from turbulence

Reduced wind and hair noise by up to 5 dB compared to Belong hearing aids

Design improvements

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More intuitive insertion
of the battery into the battery compartment

Battery compartment is designed to
keep the battery from falling out



Design improvements

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Improved the “left / right” color indicators

Colors

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Beige (H0)



Sand Beige (P1)



Sandalwood (P3)



Champagne (P5)



Chestnut (P4)



Alpine White (T7)



Silver Gray (P6)



Graphite Gray (P7)



Velvet Black (P8)



Delivering clear, rich sound

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New Sound Delivery System 4.0



Performance

New default - M receiver
Small in size, big in performance



Reliability

Increased reliability
of receivers



Comfort

More comfort thanks to
new dome designs

SDS 4.0 highlights

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Choice of receivers
with new M Receiver



Range of new domes
with new Cap dome



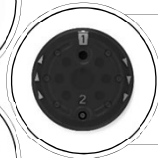
Re-designed retention



New RIC SecureFit
and
SlimTip Titanium



New CeruShield™ Disk



The M receiver

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NEW
default
M Receiver



Highlights

- Gain between S and P
- More gain in the lower frequencies
- 3-4 dB higher peak gain
- Acoustic performance close to a P
- Increased fit rate with small housing size

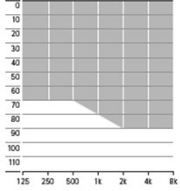
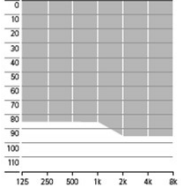
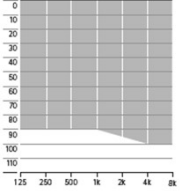
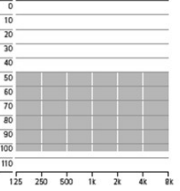
Benefits

- Clear rich sound experience
- Excellent sound quality
- Support streaming sound quality

Small in size, big in performance

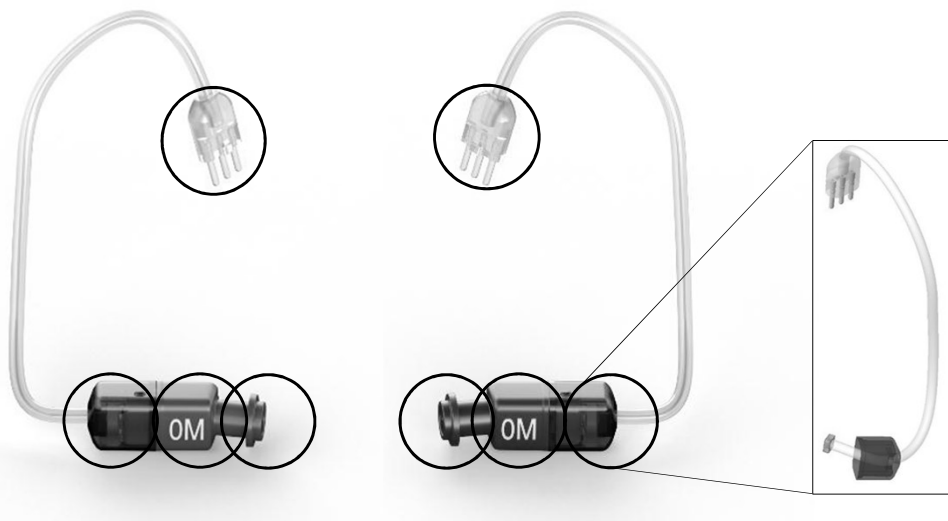
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NEW
Default

S Receiver	M Receiver	P Receiver	UP Receiver
Mild to moderately-severe hearing loss	Mild to severe hearing loss	Mild to severe hearing loss	Moderate to profound hearing loss
All SDS 4.0 Domes and custom ear pieces	All SDS 4.0 Domes and custom ear pieces	All SDS 4.0 Domes and custom ear pieces	cShell only
			

SDS 4.0 receiver highlights

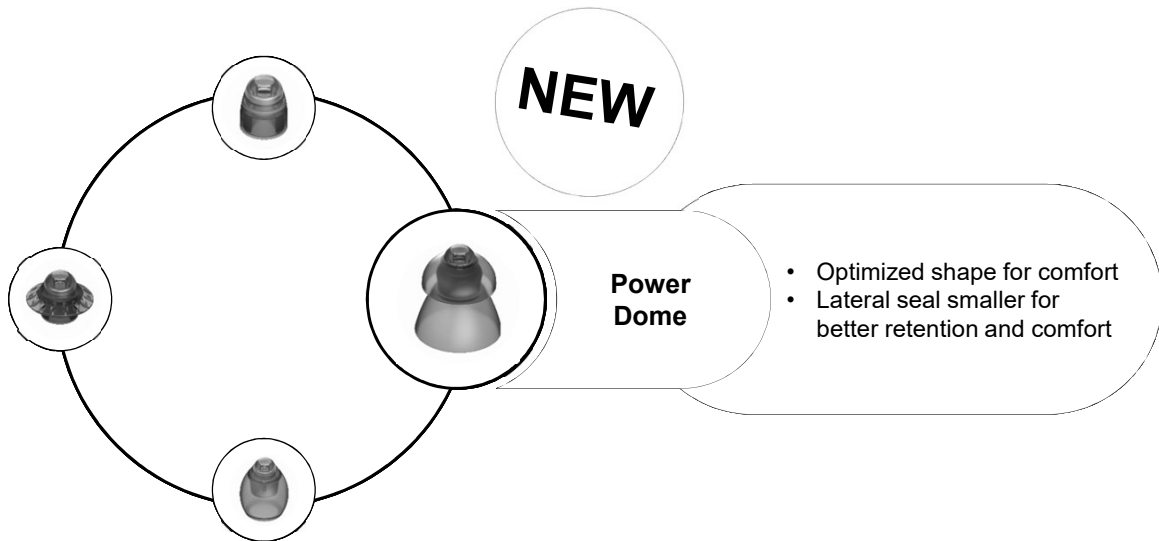
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continued

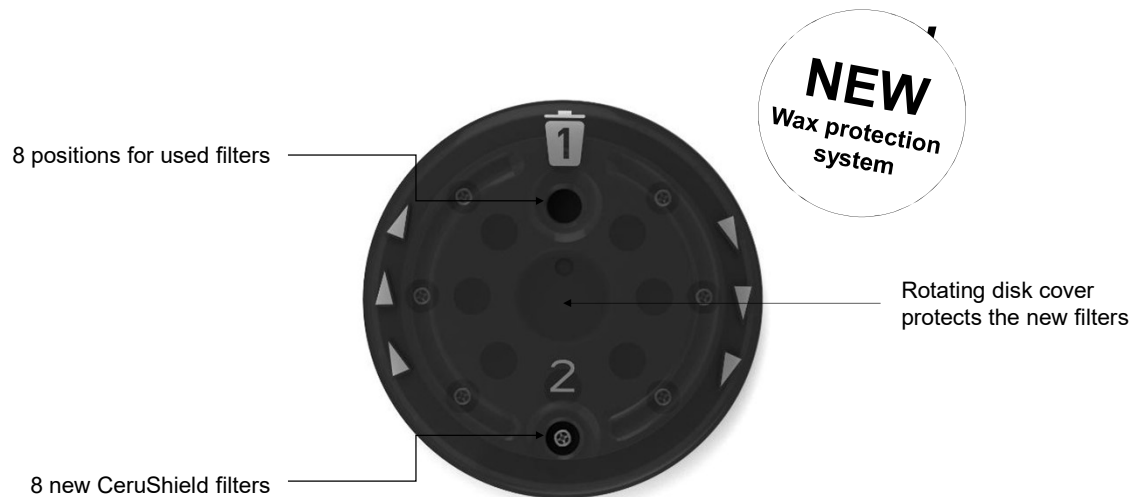
The SDS 4.0 dome portfolio

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Introducing the Phonak CeruShield™ Disk wax protection system

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continued

Retention

Snap-on design

Ergonomically shaped filament

Designed to indicate orientation for mounting on to the receiver



Custom earpieces

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RIC SecureFit

SlimTip Titanium



NEW
Available
February
2019



Offers a comfortable and secure fit

Robust tip for hard to fit ears

SlimTip Link : new connector for SlimTip Acrylic and Titanium

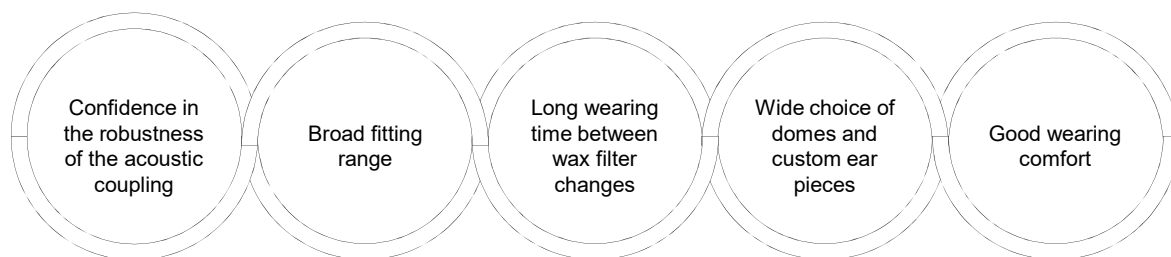
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For a secure and reliable connection between the SDS 4.0 receivers and the SlimTip

Benefits of the SDS4.0

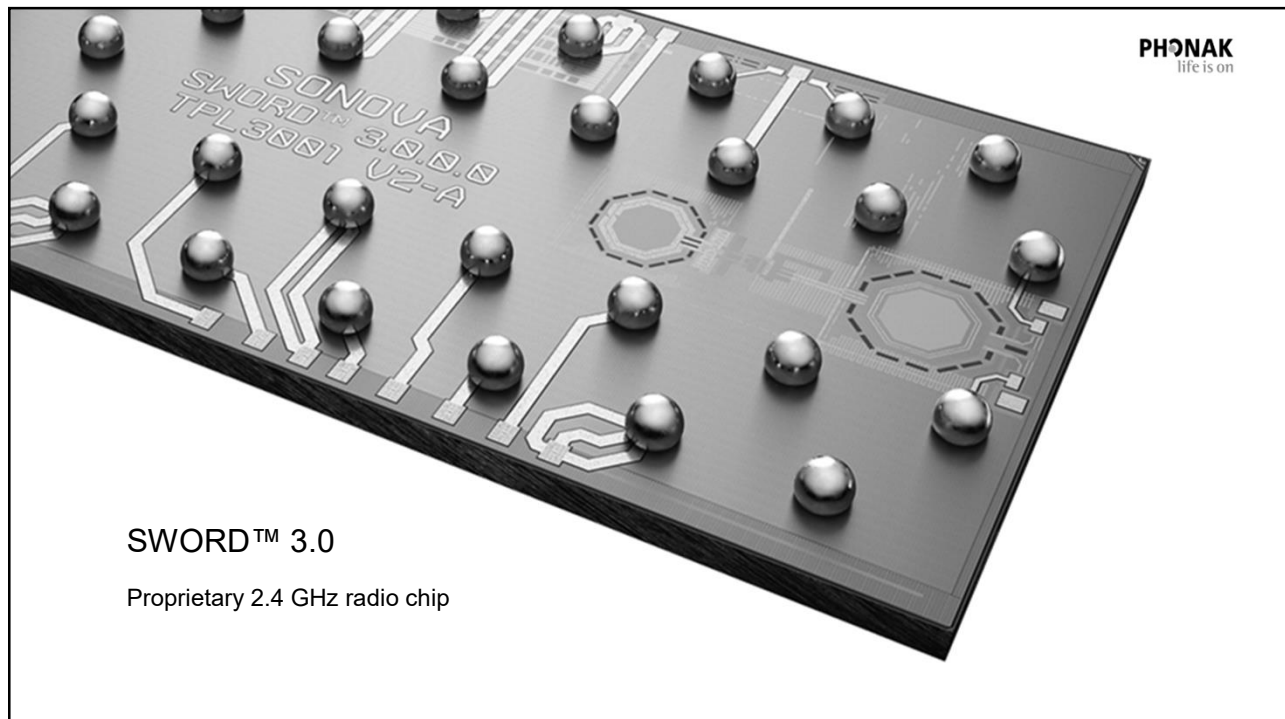
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Supports the clear, rich sound of the Marvel hearing aids

Audeo M

Connectivity and Streaming



State-of-the-art technology

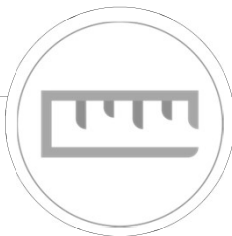
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	SWORD 3.0	Other hearing aid manufacturer	W1 Apple AirPods
Size in mm	1.9 x 3.58	2.7 x 2.9	3.23 x 4.42
Technology	40 nm	65 nm	65 nm
Wireless protocols	Bluetooth classic Bluetooth LE Roger™ AirStream™ BinauralVoice Stream Technology™	--- Bluetooth LE LEA (MFi) --- ---	Bluetooth classic Bluetooth LE --- --- ---

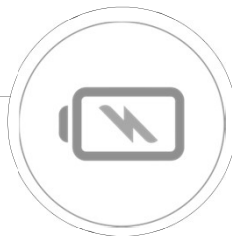
SWORD - advantages

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Smallest size

- Smallest radio chip
- One radio, one antenna

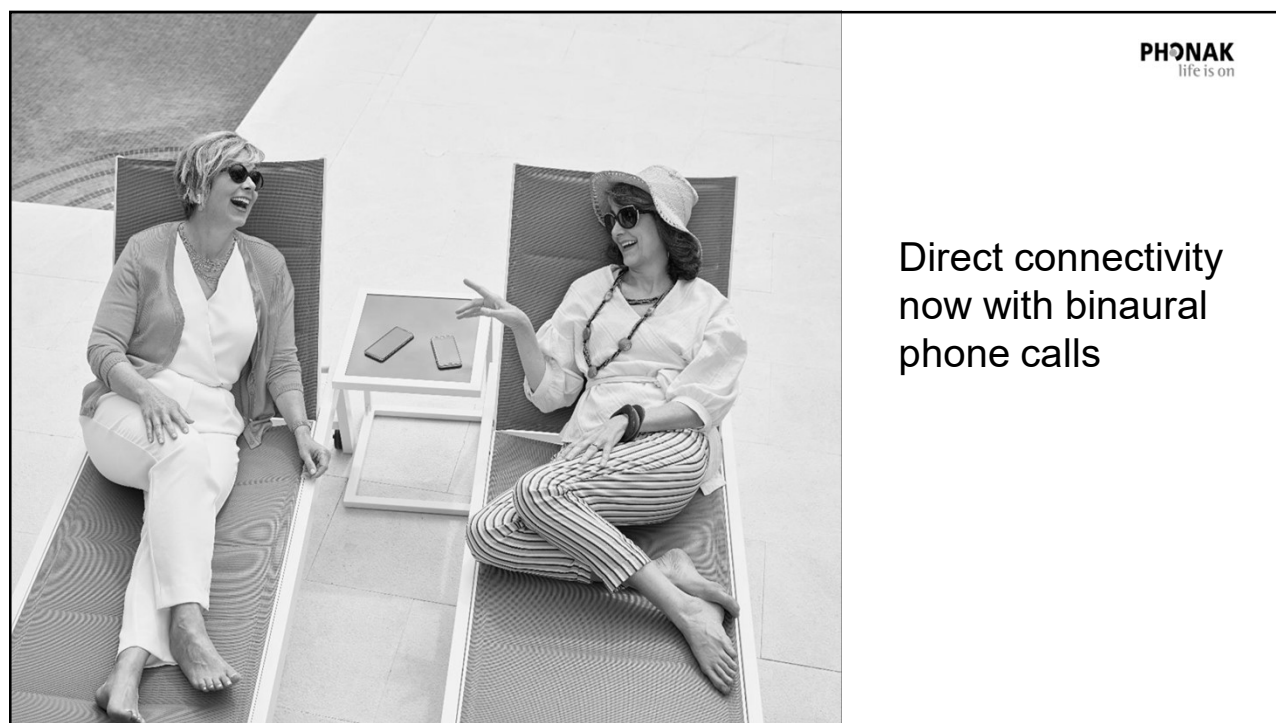
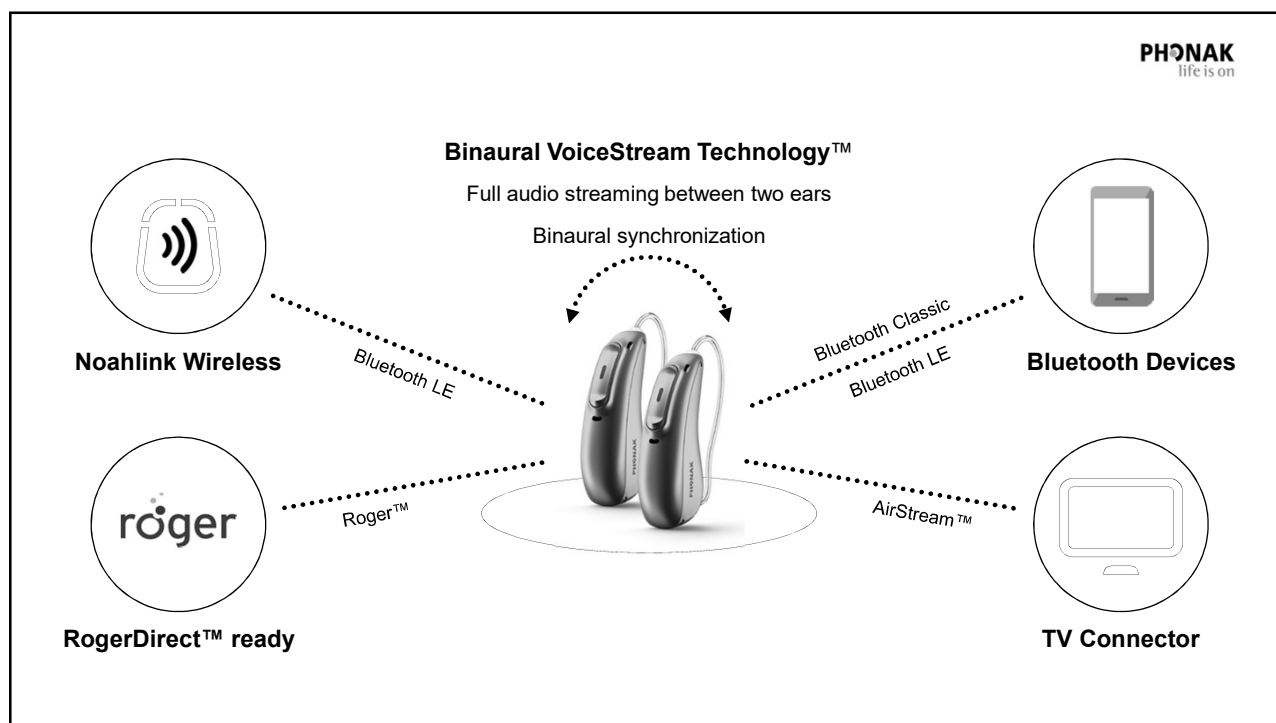
**Lowest power consumption**

- Excellent specs. for phone and streaming
- 5x better than closest consumer product

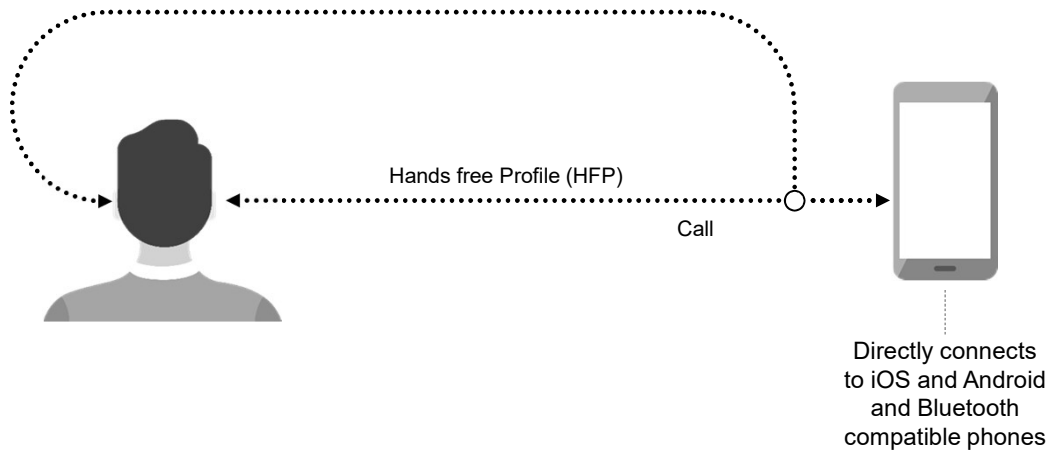
**Best performance**

- Highest sensitivity enabling binaural link
- Increased robustness to interferers

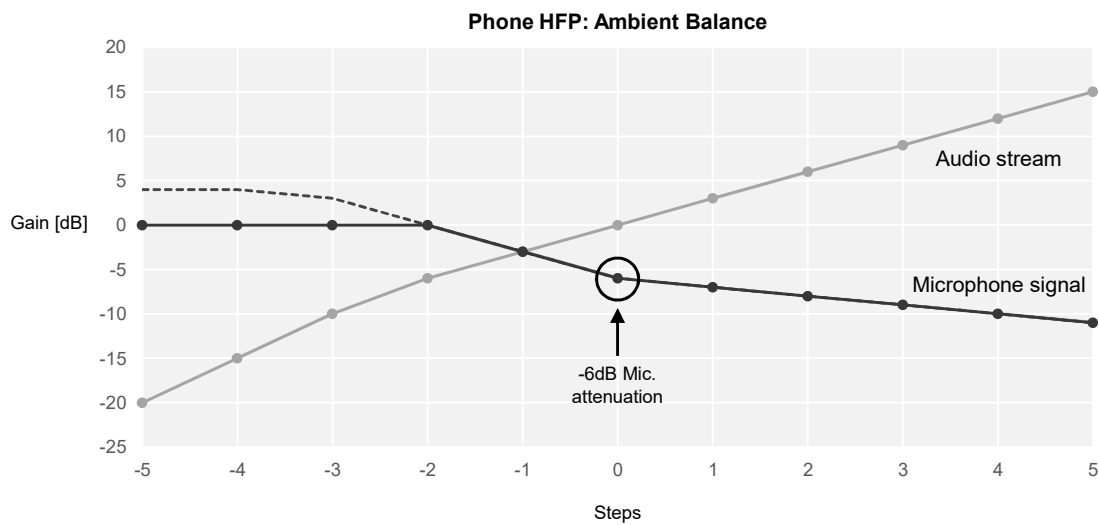




How does it work

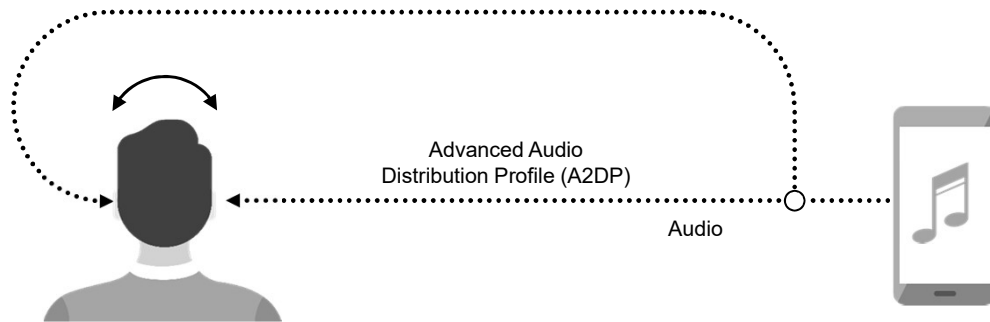
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Optimized Environmental Balance – Phone calls

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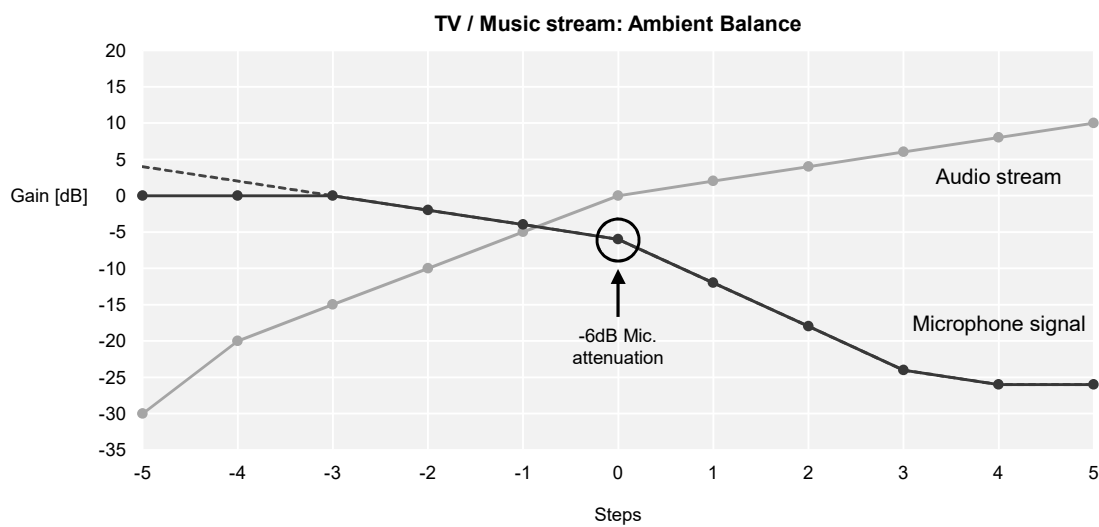
How does binaural audio streaming work

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Optimized Environmental Balance – TV and Music

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Enjoy TV, music and more with the new TV Connector

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EASY TO USE

- Plug and Play
- Buttons for easy on/off and volume control
- Automatically connects if within range
- 3 activation options

GREAT SOUND QUALITY

- Top rated streamed sound quality thanks to AutoSense OS 3.0
- Dolby™* compatible
- Optical cable as default



*Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories

AirStream™ Technology – TV Connector update

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Automatic,
manual or silent
connection

Volume and
ON/OFF buttons

Optical cable is
pre-attached

Supports
Dolby digital 5.1



RogerDirect™

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Audéo M is RogerDirect ready
Available in Fall 2019

Phonak Audéo™ M - connects to smartphones,
TV and more



World's only hearing aid that directly streams all
audio content from iOS and Android



Streams to both ears for optimal hearing performance



Hands-free calls thanks to Own Voice Pickup

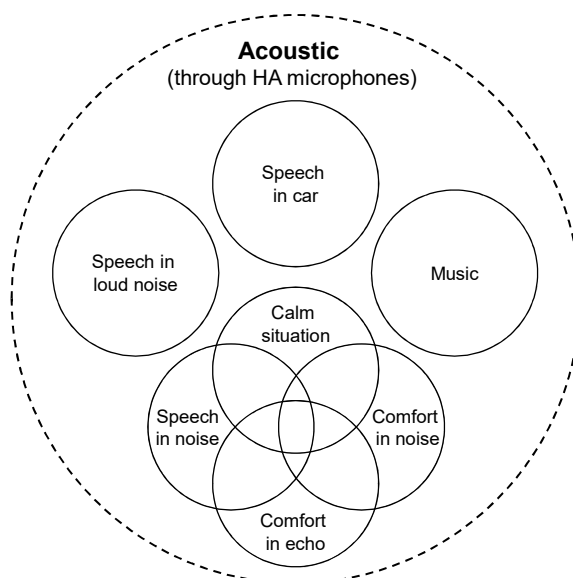


Audeo M

Hearing Performance

AutoSense OS™ 3.0

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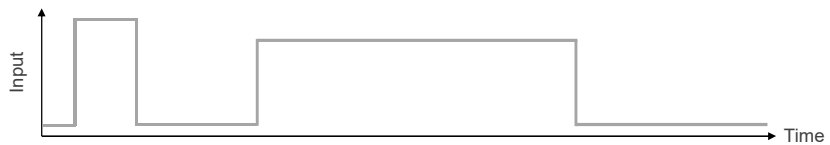
Adaptive compression speed

Compression speed based on listening environments

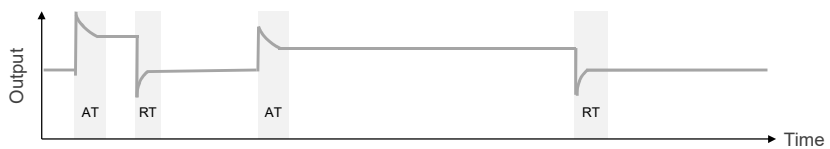
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AT: Attack Time
RT: Release Time

Unamplified Signal



Fast Acting Compression System (FAC)



Slow Acting Compression System (SAC)



Top rated streamed sound quality

TV watching

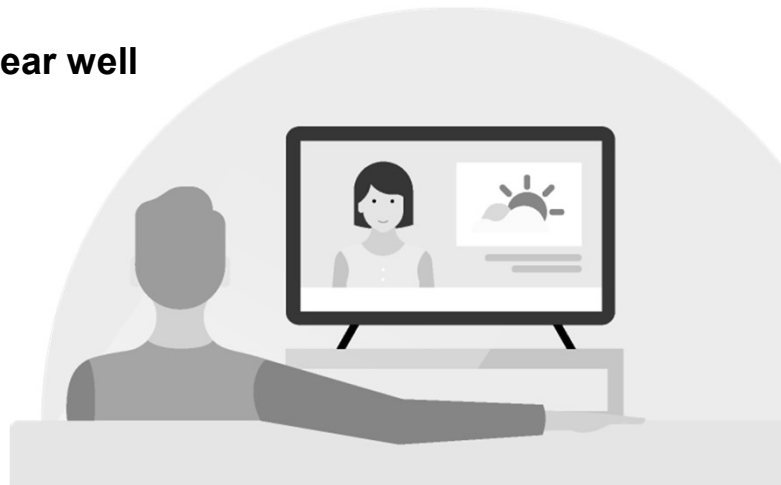
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Top 4 situation where it is
important for clients to hear well

Desire for
more quality

3.5 hours
in average

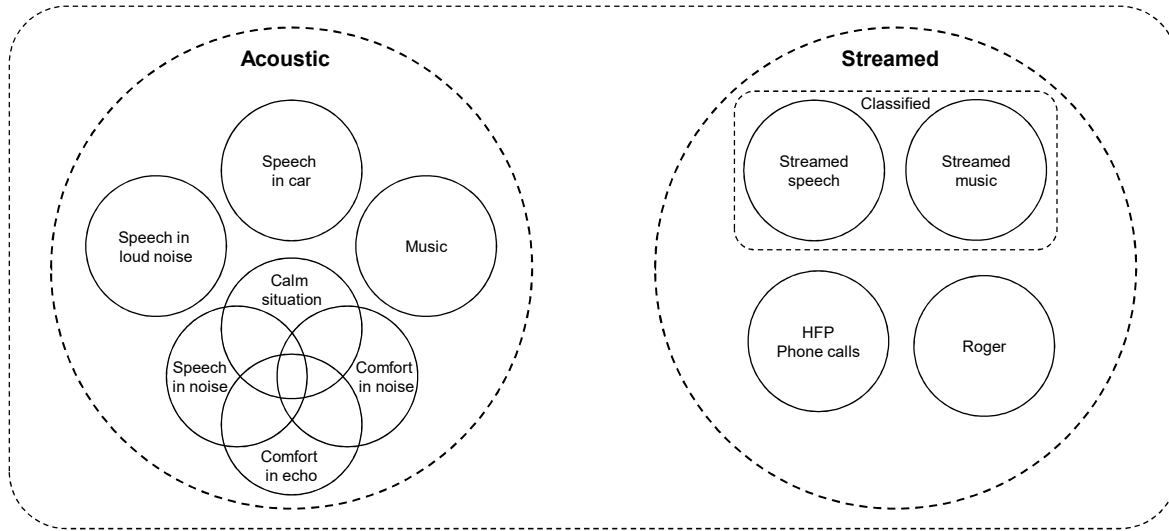
94%
once a day



Classification of streamed input signals

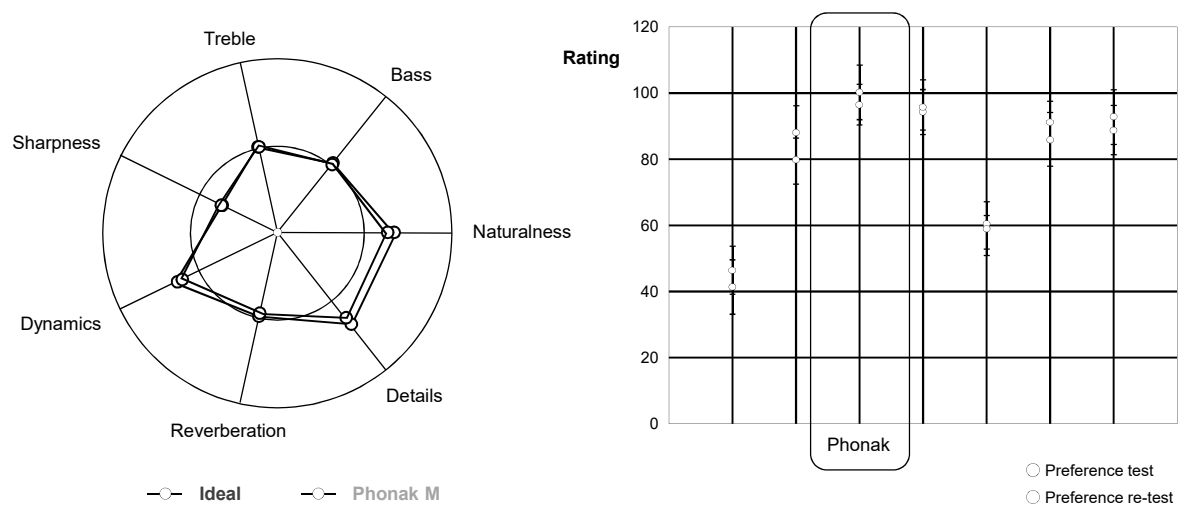
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AutoSense OS™ 3.0



Top rated streamed sound quality

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Reduced listening effort in noise

Binaural VoiceStream Technology™

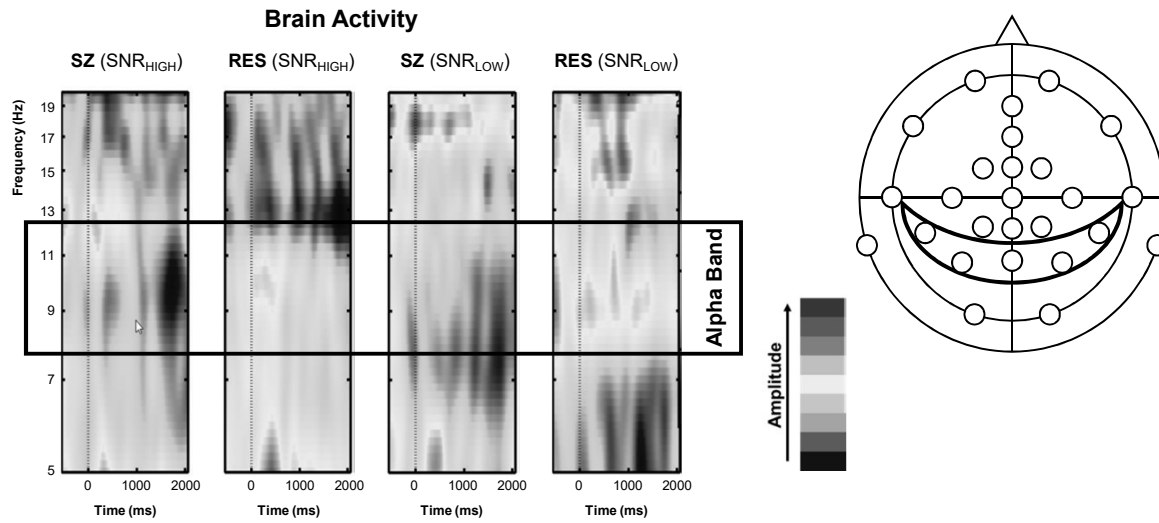
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Full bandwidth audio streaming

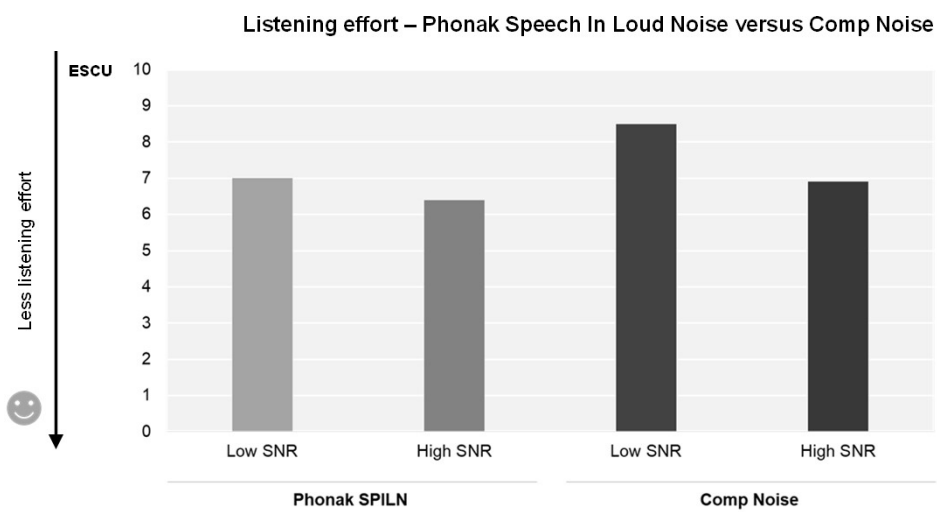
EEG study

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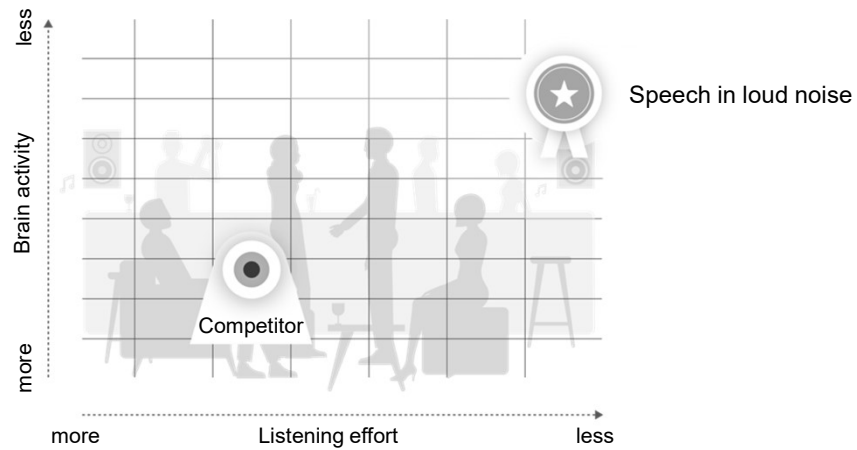
Reduced listening effort

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Reduced listening effort in noise
Speech in loud noise vs. Competitor








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A marvelous product line

Audéo Marvel

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	November 2018		February 2019		Fall 2019
					
	Audéo M-312	Audéo M-R	Audéo M-312T	Audéo M-13T	Audéo M-RT
BVST	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Direct 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hands-free phone calls	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Roger (Fall 2019)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rechargeable 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
T-Coil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Available in 90, 70, 50, 30	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Marvel – the combination of all things great

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rich soundConnects to
smartphones,
TV and more

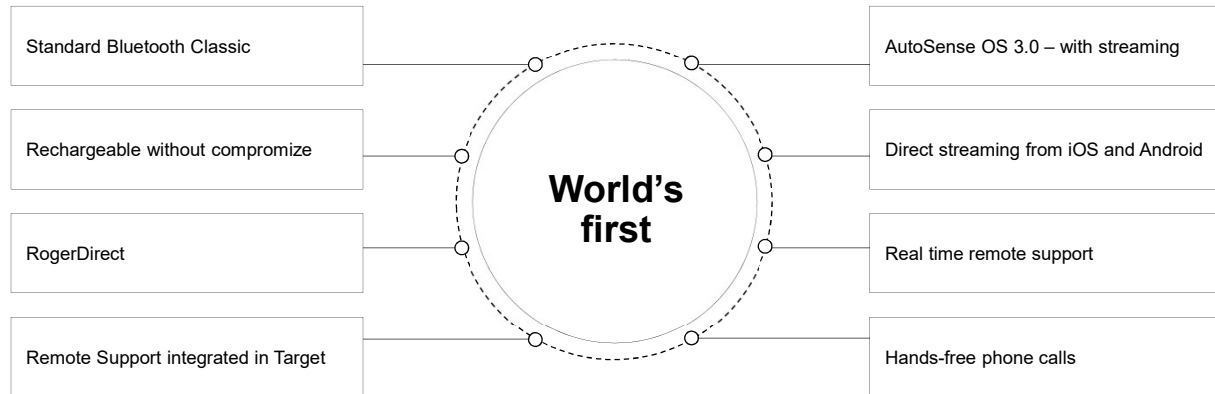
Love at first sound

Smart
apps

Rechargeable

Marvel is packed with world's first innovations

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Love at first sound

- Clear, rich sound
- Connects to smartphones, TV and more
- Rechargeable
- Smart apps

**It's not just a great hearing aid.
It's a multifunctional marvel.**



Questions?



Together,
we change lives