

# Phonak Audéo™ Marvel



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

For more information visit [www.phonakpro.com](http://www.phonakpro.com)

A Sonova brand

**PHONAK**  
life is on

# With Phonak Audéo Marvel we introduce multifunctional hearing aids that convey a love at first sound experience

## Love at first sound ... each and every day!

When we say love at first sound, we don't just mean the first time your clients try Phonak Audéo Marvel, but each and every time they wear them. From the moment you first fit them with their Marvel hearing aids, they can expect a **sound quality second to none**.

This new generation of Phonak technology recognizes and automatically adapts to precisely match more listening situations than ever before<sup>1</sup>. With AutoSense OS™ 3.0 and Binaural VoiceStream Technology™ in all models, your clients can enjoy better speech understanding in noise and less listening effort in everyday life.

### Key highlights:

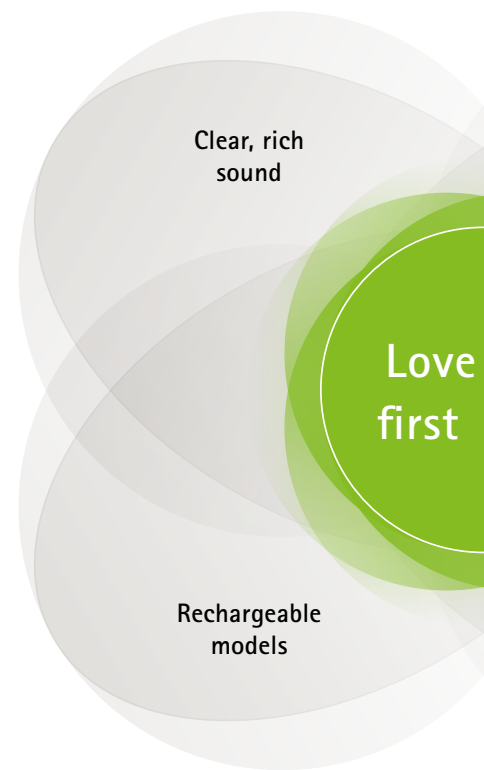
- Exceptional sound quality from the first fit<sup>2</sup>
- Better speech understanding in noise<sup>3</sup>
- Reduced listening effort in noise<sup>4</sup>
- Top rated streamed sound quality<sup>5</sup>

## The power of rechargeable technology

Phonak has pioneered rechargeability in the hearing industry with the introduction of lithium-ion rechargeable batteries. Marvel hearing aids are also available with this technology, making them quick to charge and long lasting. They switch on automatically when removed from the charger and turn off when placed back in the charging case. Your clients can enjoy unlimited hearing and streaming throughout the day.

### Key highlights:

- Ease of use – no more hassles with disposable batteries
- Full day of hearing including streaming
- Super quick charging
- Battery engineered to last 6 years



## Product description

|                               |                 | <br><b>Audéo M-312</b><br>M90/M70/M50/M30 | <br><b>Audéo M-312T</b><br>M90/M70/M50/M30 | <br><b>Audéo M-13T</b><br>M90/M70/M50/M30 | <br><b>Audéo M-R</b><br>M90/M70/M50/M30 | <br><b>Audéo M-RT</b><br>M90/M70/M50/M30 |
|-------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Battery size                  |                 | 312                                                                                                                        | 312                                                                                                                         | 13                                                                                                                           |                                                                                                                            |                                                                                                                             |
| Multi-function button         |                 | •                                                                                                                          | •                                                                                                                           | •                                                                                                                            | •                                                                                                                          | •                                                                                                                           |
| Telecoil                      |                 |                                                                                                                            | •                                                                                                                           | •                                                                                                                            |                                                                                                                            | •                                                                                                                           |
| Bluetooth®                    |                 | •                                                                                                                          | •                                                                                                                           | •                                                                                                                            | •                                                                                                                          | •                                                                                                                           |
| Nano coating                  |                 | •                                                                                                                          | •                                                                                                                           | •                                                                                                                            | •                                                                                                                          | •                                                                                                                           |
| IP rating                     |                 | IP68 <sup>6</sup>                                                                                                          | IP68 <sup>6</sup>                                                                                                           | IP68 <sup>6</sup>                                                                                                            | IP68 <sup>6</sup>                                                                                                          | IP68 <sup>6</sup>                                                                                                           |
| Dimensions                    | L x W x D       | 26.8 x 11.2 x 7.1 mm<br>(1.05 x 0.44 x 0.28")                                                                              | 29.1 x 11.9 x 7.2 mm<br>(1.14 x 0.46 x 0.29")                                                                               | 29.0 x 11.9 x 8.1 mm<br>(1.13 x 0.47 x 0.32")                                                                                | 28.0 x 11.9 x 8.0 mm<br>(1.11 x 0.47 x 0.32")                                                                              | 30.5 x 12.5 x 8.0 mm<br>(1.20 x 0.49 x 0.32")                                                                               |
|                               | Weight          | 1.1 g (0.04 oz)                                                                                                            | 1.3 g (0.04 oz)                                                                                                             | 1.4 g (0.05 oz)                                                                                                              | 2.1 g (0.07 oz)                                                                                                            | 2.3 g (0.08 oz)                                                                                                             |
| Charging times <sup>7</sup>   | 0% to 100%      |                                                                                                                            |                                                                                                                             |                                                                                                                              | 3 h                                                                                                                        | 3 h                                                                                                                         |
|                               | 0% to 80%       |                                                                                                                            |                                                                                                                             |                                                                                                                              | 1.5 h                                                                                                                      | 1.5 h                                                                                                                       |
|                               | 30 min. fitting |                                                                                                                            |                                                                                                                             |                                                                                                                              | 10 min.                                                                                                                    | 10 min.                                                                                                                     |
| <b>S Receiver</b>             |                 |                                                                                                                            |                                                                                                                             |                                                                                                                              |                                                                                                                            |                                                                                                                             |
| Max. Power Output (dB SPL)    | 2 cc coupler    | 111                                                                                                                        | 111                                                                                                                         | 111                                                                                                                          | 111                                                                                                                        | 111                                                                                                                         |
| Max. gain (dB)                | 2 cc coupler    | 46                                                                                                                         | 46                                                                                                                          | 46                                                                                                                           | 46                                                                                                                         | 46                                                                                                                          |
| Frequency range (Hz)          |                 | <100 - >8000                                                                                                               | <100 - >8000                                                                                                                | <100 - >8000                                                                                                                 | <100 - >8000                                                                                                               | <100 - >8000                                                                                                                |
| Working current (mA)          |                 | 2.2                                                                                                                        | 2.2                                                                                                                         | 2.2                                                                                                                          |                                                                                                                            |                                                                                                                             |
| <b>M Receiver</b>             |                 |                                                                                                                            |                                                                                                                             |                                                                                                                              |                                                                                                                            |                                                                                                                             |
| Maximum Power Output (dB SPL) | 2 cc coupler    | 114                                                                                                                        | 114                                                                                                                         | 114                                                                                                                          | 114                                                                                                                        | 114                                                                                                                         |
| Max. gain (dB)                | 2 cc coupler    | 50                                                                                                                         | 50                                                                                                                          | 50                                                                                                                           | 50                                                                                                                         | 50                                                                                                                          |
| Frequency range (Hz)          |                 | <100 - >8000                                                                                                               | <100 - >8000                                                                                                                | <100 - >8000                                                                                                                 | <100 - >8000                                                                                                               | <100 - >8000                                                                                                                |
| Working current (mA)          |                 | 2.1                                                                                                                        | 2.1                                                                                                                         | 2.1                                                                                                                          |                                                                                                                            |                                                                                                                             |
| <b>P Receiver</b>             |                 |                                                                                                                            |                                                                                                                             |                                                                                                                              |                                                                                                                            |                                                                                                                             |
| Maximum Power Output (dB SPL) | 2 cc coupler    | 122                                                                                                                        | 122                                                                                                                         | 122                                                                                                                          | 122                                                                                                                        | 122                                                                                                                         |
| Max. gain (dB)                | 2 cc coupler    | 58                                                                                                                         | 58                                                                                                                          | 58                                                                                                                           | 58                                                                                                                         | 58                                                                                                                          |
| Frequency range (Hz)          |                 | <100 - 6300                                                                                                                | <100 - 6300                                                                                                                 | <100 - 6300                                                                                                                  | <100 - 6300                                                                                                                | <100 - 6300                                                                                                                 |
| Working current (mA)          |                 | 2.2                                                                                                                        | 2.2                                                                                                                         | 2.2                                                                                                                          |                                                                                                                            |                                                                                                                             |
| <b>UP Receiver</b>            |                 |                                                                                                                            |                                                                                                                             |                                                                                                                              |                                                                                                                            |                                                                                                                             |
| Max. Power Output (dB SPL)    | 2 cc coupler    | 130                                                                                                                        | 130                                                                                                                         | 130                                                                                                                          | 130                                                                                                                        | 130                                                                                                                         |
| Max. gain (dB)                | 2 cc coupler    | 67                                                                                                                         | 67                                                                                                                          | 67                                                                                                                           | 67                                                                                                                         | 67                                                                                                                          |
| Frequency range (Hz)          |                 | <100 - 6000                                                                                                                | <100 - 6000                                                                                                                 | <100 - 6000                                                                                                                  | <100 - 6000                                                                                                                | <100 - 6000                                                                                                                 |
| Working current (mA)          |                 | 2.1                                                                                                                        | 2.1                                                                                                                         | 2.1                                                                                                                          |                                                                                                                            |                                                                                                                             |

## Housing colors

### Hair & Skin



**P1**

Sand Beige



**P3**

Sandalwood



**P4**

Chestnut



**P5**

Champagne



**P6**

Silver Gray



**P7**

Graphite Gray



**P8**

Velvet Black



**T7**

Alpine White



**H0**

Beige

### Traditional

<sup>6</sup> IP68 indicates that the hearing aid is water resistant and dust tight. It survived continuous immersion in 1 meter of water for 60 minutes and 8 hours in a dust chamber as per the IEC60529 standard. No traces of dust were evident within the housing.

<sup>7</sup> Actual charge time depends on the remaining battery life, but it will not exceed 3 hours.

# Performance levels

|                                   | Premium<br>M90 | Advanced<br>M70 | Standard<br>M50 | Essential<br>M30 |
|-----------------------------------|----------------|-----------------|-----------------|------------------|
| AutoSense OS™ 3.0                 | Premium        | Advanced        | Standard        | Essential        |
| Calm Situation                    | •              | •               | •               | •                |
| Speech in Noise                   | •              | •               | •               | •                |
| Comfort in Noise                  | •              | •               | •               |                  |
| Music                             | •              | •               |                 |                  |
| Speech in Loud Noise <sup>3</sup> | •              |                 |                 |                  |
| Speech in Car                     | •              |                 |                 |                  |
| Comfort in Echo                   | •              |                 |                 |                  |
| Streamed speech                   | •              | •               | •               | •                |
| Streamed music                    | •              | •               | •               | •                |
| Additional programs               |                |                 |                 |                  |
| Max. additional programs          | 3              | 3               | 3               | 3                |
| Comfort in Echo                   | •              |                 |                 |                  |
| Speech in Loud Noise              | •              | •               |                 |                  |
| Speech in 360°                    | •              | •               |                 |                  |
| Speech in Noise                   | •              | •               | •               | •                |
| Calm Situation                    | •              | •               | •               | •                |
| Comfort in Noise                  | •              | •               | •               | •                |
| Music                             | •              | •               | •               | •                |
| Acoustic phone                    | •              | •               | •               | •                |
| Custom program                    | •              | •               | •               | •                |
| Streaming programs                |                |                 |                 |                  |
| Roger + mic                       | •              | •               | •               | •                |
| Phone + mic                       | •              | •               | •               | •                |

| Features               | Premium<br>M90 | Advanced<br>M70 | Standard<br>M50 | Essential<br>M30 |
|------------------------|----------------|-----------------|-----------------|------------------|
| UltraZoom              | Premium        | Advanced        | Standard        | Essential        |
| SNR-Boost              | •              | •               | •               |                  |
| DuoPhone               | •              | •               | •               |                  |
| SoundRecover2          | •              | •               | •               | •                |
| User Preference Tuning | •              | •               | •               | •                |
| Real Ear Sound         | •              | •               | •               |                  |
| Finetuning channels    | 20             | 16              | 12              | 8                |
| WhistleBlock           | •              | •               | •               | •                |
| NoiseBlock             | •              | •               | •               | •                |
| WindBlock              | •              | •               |                 |                  |
| EchoBlock              | •              |                 |                 |                  |
| SoundRelax             | •              | •               |                 |                  |
| QuickSync              | •              | •               | •               | •                |
| AOV                    | •              | •               | •               | •                |
| Tinnitus Balance       | •              | •               | •               | •                |
| auto Acclimatization   | •              | •               | •               | •                |
| Environmental balance  | •              | •               | •               | •                |

# Fitting

|                   | Audéo M-312<br>M90/M70/M50/M30 | Audéo M-312T<br>M90/M70/M50/M30 | Audéo M-13T<br>M90/M70/M50/M30 | Audéo M-R<br>M90/M70/M50/M30 | Audéo M-RT<br>M90/M70/M50/M30 |
|-------------------|--------------------------------|---------------------------------|--------------------------------|------------------------------|-------------------------------|
| Phonak Target     | 6.0 or higher                  | 6.0.1 or higher                 | 6.0.1 or higher                | 6.0 or higher                | 6.0.1 or higher               |
| Noahlink Wireless | •                              | •                               | •                              | •                            | •                             |
| NOAHLink          |                                | •                               | •                              |                              |                               |
| HI-PRO, HI-PRO2   |                                | •                               | •                              |                              |                               |

1 Rodrigues, T. & Liebe, S. (2018). Phonak AutoSense OS™ 3.0. The new & enhanced automatic operating system. Phonak Insight, retrieved from [www.phonakpro.com/evidence](http://www.phonakpro.com/evidence), accessed October 17<sup>th</sup>, 2018.

2 Jansen, S. & Woodward, J. (2018). Love at first sound: the new Phonak precalculation. Phonak Insight, retrieved from [www.phonakpro.com/evidence](http://www.phonakpro.com/evidence), accessed October 17<sup>th</sup>, 2018.

3 Field Study News about Phonak StereoZoom in preparation, available by end of 2018 at [www.phonakpro.com/evidence](http://www.phonakpro.com/evidence)

4 Winneke, A., Latzel, M. & Appleton-Huber (2018). Less listening- and memory effort in noisy situations with StereoZoom, Phonak Field Study News, retrieved from [www.phonakpro.com/evidence](http://www.phonakpro.com/evidence), accessed October 17<sup>th</sup>, 2018.

5 Legarth, S., Latzel, M. & Rodrigues, T. (2018). Media streaming: The sound quality wearers prefer, Phonak Field Study News, retrieved from [www.phonakpro.com/evidence](http://www.phonakpro.com/evidence), accessed October 17<sup>th</sup>, 2018.

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# Acoustic coupling

|                                                                  | S Receiver | M Receiver | P Receiver | UP Receiver |
|------------------------------------------------------------------|------------|------------|------------|-------------|
| Length                                                           |            |            |            |             |
| Available in four different lengths (0, 1, 2, 3), left and right | •          | •          | •          | •           |
| Dome                                                             |            |            |            |             |
| Cap dome                                                         | •          | •          | •          |             |
| Open dome Available in three sizes (S, M, L)                     | •          | •          | •          |             |
| Vented dome Available in three sizes (S, M, L)                   | •          | •          | •          |             |
| Power dome Available in three sizes (S, M, L)                    | •          | •          | •          |             |
| SlimTip*                                                         |            |            |            |             |
| Hard                                                             | •          | •          | •          |             |
| Silicon                                                          | •          | •          | •          |             |
| Titanium                                                         | •          | •          | •          |             |
| cShell                                                           |            |            |            |             |
| Hard                                                             | •          | •          | •          | •           |

\*Available with extra canal length option

Mild to moderately-severe hearing loss.

Mild to severe hearing loss.

Mild to severe hearing loss.

Moderate to profound hearing loss.

# Phonak Trial™ hearing aids

The new Trial hearing aids can be quickly set to the required performance level in order to suit your recommendation. Various levels of technology in one Trial hearing aid provides you with many options for providing the hearing solution at the first appointment or bridging the gap during repairs.

## Phonak Audéo M-R charging options



### Phonak Charger Case Combi

The Phonak Charger Case Combi is a charger, drying kit and protective hard case all in one. Additionally, it includes a cleaning tool in the robust and splash-proof housing.



### Phonak Power Pack

For charging rechargeable hearing aids on the go, the Phonak Power Pack can be easily attached to the bottom of the Phonak Charger Case Combi.



### Phonak Mini Charger Case

The Phonak Mini Charger Case, with standard USB-C charging outlet, is a compact charger for two Audéo M-R or Audéo M-RT hearing aids.

## Phonak Audéo M Bluetooth® versions

### Direct calls/audio streaming

Bluetooth® 4.2 wireless technology and most older Bluetooth phones

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## Wireless communication portfolio

|                           | Audéo M-312<br>M90/M70/M50/M30 | Audéo M312T<br>M90/M70/M50/M30 | Audéo M-13T<br>M90/M70/M50/M30 | Audéo M-R<br>M90/M70/M50/M30 | Audéo M-RT<br>M90/M70/M50/M30 |
|---------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|-------------------------------|
| <b>Wireless accessory</b> |                                |                                |                                |                              |                               |
| TV Connector              | •                              | •                              | •                              | •                            | •                             |
| <b>Roger</b>              |                                |                                |                                |                              |                               |
| RogerDirect™              | •                              | •                              | •                              | •                            | •                             |
| <b>Apps</b>               |                                |                                |                                |                              |                               |
| myPhonak                  | •                              | •                              | •                              | •                            | •                             |
| Phonak Remote             | •                              | •                              | •                              | •                            | •                             |

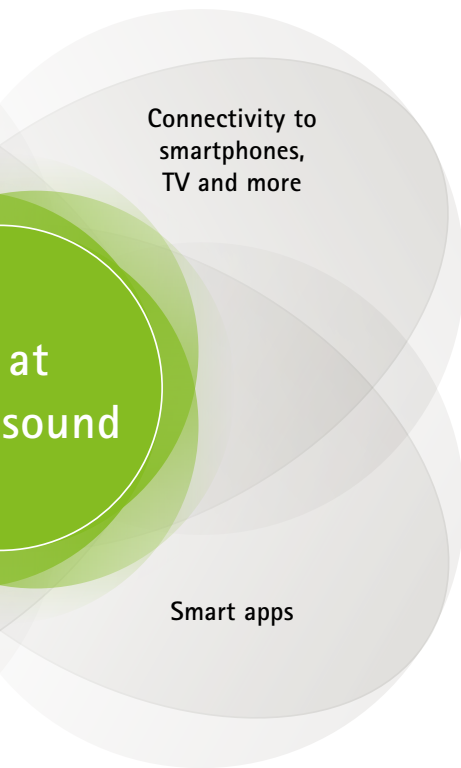
For more information please visit [www.phonakpro.com/audéo](http://www.phonakpro.com/audéo)

For information on Roger microphones please visit [www.phonakpro.com/roger](http://www.phonakpro.com/roger)

For more information please visit [www.phonakpro.com/smartapps](http://www.phonakpro.com/smartapps)

## What makes Marvel even more marvelous?

Unlike any other hearing aid available, Phonak Audéo Marvel can **connect directly to either iOS or Android smartphones or other Bluetooth® enabled phones** to stream any kind of audio to both ears. Your clients can enjoy true hands-free phone calls with built-in microphones. In addition, audible phone notifications can be set to be heard through the Marvel hearing aids. Marvel also delivers stereo sound quality streaming for music, videos, e-books, podcasts and much more.



Phonak Audéo Marvel also features proprietary AirStream™ technology **for top rated sound quality streaming from any TV and stereo system**<sup>5</sup>. Your clients can enjoy TV programs and movies with the Phonak TV Connector, a simple plug and play solution. It's just like using wireless headphones – except maybe even better, because Marvel hearing aids can now distinguish between streamed speech and music signals, and automatically adjust for an optimized sound quality.

### Key highlights:

- Connectivity to smartphones - iOS and Android
- Connectivity to a variety of everyday electronics
- Hearing aids used like wireless stereo headphones
- Extra-long streaming time thanks to AirStream technology

Roger™ microphones boost hearing performance in loud noise and over distance. Phonak Audéo Marvel features RogerDirect™ which allows Roger technology to stream directly to Marvel hearing aids without having to attach an external receiver.

### Key highlights:

- Marvel and Roger, the optimal solution for challenging listening situations
- Designed to improve speech understanding in loud noise and over distance
- Discreet and appealing solutions

## Apps-olutely Marvelous!

Phonak's new digital service platform is dedicated to improve your clients' personal listening needs. Through the myPhonak app, your clients can choose to share information with you, enabling you to customize their listening experience in real-time.

### Key highlights:

- Real-time remote video support
- Personalized hearing experience

Phone calls can be challenging, especially with background noise. With the Phonak myCall-to-Text app your clients can hear the conversation in their Marvel hearing aids, and read in real time, what the person on the other end of the phone says. Try the free trial version.



# Life is on

At Phonak, we believe that hearing well is essential to living life to the fullest. For more than 70 years, we have remained true to our mission by developing pioneering hearing solutions that change people's lives to thrive socially and emotionally. Life is on.

[www.phonakpro.com](http://www.phonakpro.com)