

Signia  
Xperience  
Platform  
Brochure



signia



## Our Mission:

# Enhancing Human Performance

We put hearing aid wearers first, with products that fit their wants, needs and style. The wearer is at the center of our universe and their needs are woven into our DNA.

For us, this is not about correcting a loss, it's about gaining an edge. Not just performing, but performing at their best.

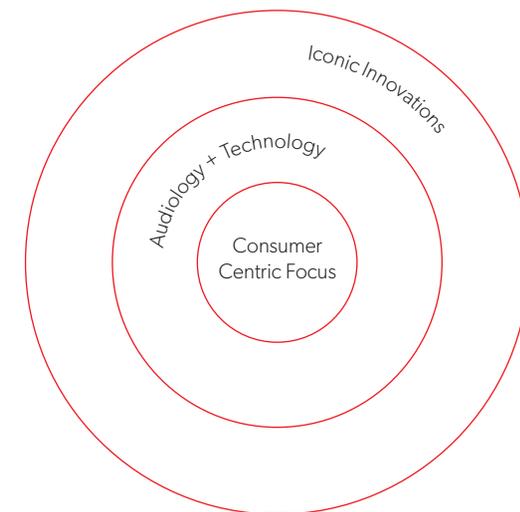
## A True Partnership

Signia understands that **our success depends on your success**. So we share your goal of delivering the best patient outcomes. And we support your expertise with innovations that enhance patient's lives. One that's designed to work alongside you every step of the journey. Because only Signia combines world-class audiology with cutting-edge technology to deliver iconic innovations in hearing.

## Our Approach: Iconic Innovations

Only Signia combines **industry-leading audiology and technology** to deliver **iconic innovations** in hearing. This not only enhances performance for the consumer, but also empowers you to deliver optimal, personalized solutions and service.

These innovations are why we can proudly claim to be a company of firsts. From the first ever rechargeable hearing aid to the industry's first Face Mask Mode, Signia stands apart, and helps you stand apart, too.





Our Audiological Innovation:

# Xperience Technology

Signia Xperience is the industry's leading audiological platform, and it powers Signia hearing aids. It **focuses on the lifestyle and actions of the wearer to enhance speech understanding in difficult listening situations** for a more dynamic experience. When equipped with Xperience, our products let people hear what matters most around them.

In addition to optimizing the wearer's own voice, Signia Xperience automatically responds to each wearer's movements and the changes in speech and noise in all situations to deliver a natural, personalized experience.

Intuitive and flexible programming software makes Signia Xperience adaptable and user-friendly, just another way we're putting the wearer first.

# Signia Xperience

- More than 90% of Signia Xperience wearers report a natural sound experience when in motion.<sup>1</sup>
- Signia Xperience wearers showed statistically **significant improvements in both speech understanding ability and listening effort** with speech coming from the side, both when in motion and stationary, compared to current, premium technology.<sup>2</sup>

## Inside Signia Xperience: A Deeper Dive

In simplest terms, **Signia Xperience was designed to enhance human performance.** But how? Let's take a deeper look into what makes Signia Xperience a revolution in hearing.



### Acoustic Sensors

Analyzing and adapting to the acoustic changes around you, these sensors deliver **personalized amplification and a clear understanding of speech from any direction**, mirroring optimized natural hearing experiences.



### Own Voice Processing (OVP™)

Separates the wearers own voice from other speech and noise for a natural sound, **increasing first-fit acceptance to 80% and keeping patients engaged in conversations.**<sup>3</sup>



### Motion Sensors

**Optimizing hearing in every situation** by recognizing changes in your own movement to adjust acoustic settings and **maximizing audibility as you move throughout the day.**



### Dynamic Soundscape Processing

Utilizing Signia's iconic binaural audio processing with Binaural Directionality, this world's first technology has been clinically **proven to provide better than normal hearing in noisy situations.**<sup>4</sup>

<sup>1</sup> Haubold J. (2019) Real-world effectiveness of Signia Xperience Dynamic Soundscape Processing. Unpublished Manuscript.

<sup>2</sup> Froehlich M, Branda E, Freels K. (2019) New dimensions in automatic steering for hearing aids: Clinical and real-world findings. Hearing Review. 26(11):32-36.

<sup>3</sup> Høydal, E. H. (2017). A new own voice processing system for optimizing communication. Hearing Review, 24(11), 20-22. Further details: [www.signia-pro.com/ovp-study](http://www.signia-pro.com/ovp-study).

<sup>4</sup> Froehlich M, Freels K, Powers T. (2015). Speech recognition benefit obtained from binaural beamforming hearing aids: comparison to omnidirectional and individuals with normal hearing. AudiologyOnline, Article 14338. Retrieved from <http://www.audiologyonline.com>

Signia Delivers

# Hearing Aids and Support for Every Patient

Convenience is not a one-size-fits-all approach. Just like eyeglasses, cars, clothing and furniture, people have different preferences in style and features. **Signia's consumer-centric approach to hearing technology provides options for a variety of patients and preferences** – ultimately driving confidence and wearer satisfaction. It's another way Signia goes beyond audiology to deliver innovations with true benefits.



**Design** – RICs, BTEs, and new innovative designs that appeal to a broad customer base.



**Rechargeability** – First in the world, and now a complete line up of innovative, rechargeable solutions.



**Signia App** – Delivering real-time support to the patient and the provider.



**Streaming** – High-quality audio connectivity from any *Bluetooth*® enabled device for an enhanced listening experience.



**Signia Assistant** – The patient's hearing companion via on-demand AI support.



**Telecare™** – Virtual connection to remote care when in-person visits aren't ideal or possible.



**Face Mask Mode** – Immediate boost in speech audibility at the push of a button.



**Tinnitus Support** – Sound therapies and the exclusive Signia Notch Therapy for support against the annoyance of tinnitus.



**CROS** – A full portfolio of CROS devices on the Xperience platform.

## Performance Designs

Proven industry standard designs that take your hearing aids to the next level no matter the level of hearing loss.



### Pure® Charge&Go X - Iconic rechargeable RIC

- Slimmer housing in a sleek, comfortable design with a built-in rocker switch
- Compact charger with a closed lid charging case that dehumidifies and fits custom molds for performance levels 7/5/3
- Bluetooth® connectivity plus Signia App compatibility with access to Signia Assistant and more
- Also available in CROS

### Pure 312 X - Traditional RIC

- Slimmer housing with a sleek design that fits comfortably behind the ear
- Optional T-coil for direct access to looped environments
- Bluetooth® connectivity plus Signia App compatibility with access to Signia Assistant and more
- Also available in CROS

### Motion Charge&Go X - Iconic rechargeable family of BTE hearing aids

- Motion Charge & Go X comes in three models (Standard, P and SP) to address differing levels of hearing loss
- World's first rechargeable superpower hearing aid with up to 61 hours of wear time
- Power and Super Power models compatible with upgraded Dry&Clean charger
- Bluetooth® connectivity plus Signia App compatibility with access to Signia Assistant and more



## Signia Exclusive Designs

Truly innovative designs to appeal to a wider customer base and drive patient conversions, only from Signia.

## Discreet Designs

Hearing Aid designs ideal for fighting stigma.



### Active X - First-of-its-kind, modern earbud design

- Built with noise reduction technology
- Available in Active and Active Pro for varying budget and hearing needs
- Bluetooth® connectivity plus Signia App compatibility with access to Signia Assistant and more

### Styletto X - World's first SLIM-RIC plus portable rechargeability

- Highly sophisticated hearwear™ in a unique, patient-preferred design<sup>1</sup>
- Portable charger holds three days of charges and features integrated Qi wireless technology for simplified charging
- Enhanced functionality to support a wider fitting range with exchangeable receivers
- Bluetooth® connectivity plus Signia App compatibility with access to Signia Assistant and more

### Silk™ X - Innovative ready-to-wear CIC

- Signia's smallest, nearly invisible form factor provides an alternative to customs that can be fit in the same day
- Binaural OneMic Directionality 2.0 with Ultra HD e2e technology for an optimized sound experience
- Signia App compatibility for easy, discreet remote control capabilities
- Also available in CROS

<sup>1</sup> Hakvoort, C. & Burton, P. (2019). Increasing Style, Reducing Stigma: The Styletto Solution.

Signia

# Accessories, App and Chargers



Accessories are also available to provide patients with additional benefits:



StreamLine TV™



StreamLine Mic™



miniPocket™

Signia App gives your patients freedom and support with access to:



**Telecare for remote care support with you!**

Patients fitted with Signia Telecare have a 19% higher acceptance rate than patients fitted without it.



**Signia Assistant for on-demand AI support**

93% stated that using the Signia Assistant improved their satisfaction for listening in difficult situations.



**Signia Face Mask Mode for an immediate boost in speech with the simple tap of a button**

Facemasks have been shown to reduce audibility by up to 30%, and make lip reading impossible



Portable charger with Qi wireless charging for Signia Styletto X



Portable charger with Qi wireless charging for Signia Active Pro X and Active X



Closed-lid charger for Signia Pure Charge&Go X and Signia Motion Charge&Go X 7/5/3



Open charger for Signia Pure Charge&Go X and Signia Motion Charge&Go X 2/1



Open charger for Signia Motion Charge&Go P X



Open charger for Signia Motion Charger&Go SP X



Dry&Clean charger upgrade for Signia Motion Charge&Go P X and SP X

# Signia Feature Overview

Signia combines Audiology + Technology to deliver Iconic Innovations designed to meet the wants, needs and preferences of the consumer while giving the HCP an edge.

	7X / Active Pro 48/20	5X 32/16	3X 24/12	2X 16/8	1X / Active 16/8
<b>Acoustic-Motion Sensors</b> – Provide detailed information about the wearer’s movement and environment. <sup>1</sup>	Acoustic + Motion	Acoustic + Motion	Acoustic + Motion	Acoustic	Acoustic
<b>Dynamic Soundscape Processing</b> – Steers sound quality and speech clarity features for natural sound and speech in every situation, even when moving.	✓	✓	✓	✓	✓
<b>Own Voice Processing</b> – Utilizes real-time recognition of the wearer’s voice to deliver a natural, own voice impression. Available for RIC/BTE devices. <sup>1</sup>	✓	✓	✓	—	—
<b>TwinPhone</b> – Delivers the phone conversation to both ears, which provides a 3-8 dB improvement in perceived loudness and has been shown to increase speech recognition by >20% when compared to listening with one ear. <sup>2</sup> Available for bilateral fittings.	✓	✓	✓	—	—
<b>HD Music</b> – Preset programs for enhanced enjoyment of non-streamed music.	3	3	1	1	—
<b>Tinnitus</b> – A choice of tinnitus treatments based on the world’s first Notch Therapy or traditional sound therapy signals. It is even possible to combine the two approaches.	✓	✓	✓	✓	—
<b>Directionality</b> – Enhancing speech understanding in challenging and noisy situations via Ultra HD e2e processing. Directionality (identified as Binaural Directional in CXX) has been shown to provide a significant benefit compared to other directional processing algorithms, significantly better performance than competitive products, and for individuals with mild-to-moderate hearing losses, significantly better performance than age-matched controls with normal hearing. <sup>3,4,5</sup>	Binaural Auto / Adaptive	Binaural Auto / Adaptive	Binaural Auto / Adaptive	Auto / Adaptive	Auto / Adaptive
<b>Spatial SpeechFocus</b> – Steers the directional beam to the front, left, right, or behind the wearer, depending on the direction of the dominant speech source. Studies have shown SpeechFocus can provide an average ~5 dB SNR advantage (compared to omnidirectional), which can lead to a 30-50% improvement in speech understanding for speech signals originating from behind the user. <sup>6</sup> Available for bilateral fittings with directional microphones. <sup>2</sup>	Front, Back, Right, Left	Front, Back, Omni	—	—	—
<b>eWindScreen Binaural</b> – Reduces the annoyance of wind noise when outdoors. Provides up to 30% improvement in word recognition with eWindscreen Binaural activated. <sup>7</sup> eWindscreen Binaural requires Ultra HD e2e wireless link.	Auto	Manual	—	—	—
<b>Extended Bandwidth</b> – 12 kHz bandwidth for enhanced processing of high frequency speech, music, and environmental sounds.	✓	—	—	—	—
<b>EchoShield</b> – Dedicated program for reverberant environments. Provides significantly reduced listening effort in reverberant environments, with the majority of individuals obtaining a 10-20% improvement in speech recognition. <sup>8</sup>	✓	—	—	—	—



	7X / Active Pro 48/20	5X 32/16	3X 24/12	2X 16/8	1X / Active 16/8
<b>Signia App (iOS® and Android)</b> – The Signia App connects patients with immediate benefits and support in an intuitive solution.	✓	✓	✓	✓	✓
<b>Face Mask Mode</b> – Improves audibility for Signia wearers communicating with someone wearing a face mask - all with the touch of a button in the Signia App. <sup>5</sup>	✓	✓	✓	✓	✓
<b>Directional Hearing</b> – Directional Hearing is part of the Signia App and allows the wearer to adjust the span and directional focus of the microphone beam. <sup>5</sup>	Front, Back, Right, Left	Front, Back, Right, Left	–	–	–
<b>Signia Assistant</b> – 24/7 digital assistant that provides patients with on-demand AI support for adjustments and questions via a live neural network. Available with all Bluetooth® hearing aids. <sup>5</sup>	✓	✓	✓	✓	✓
<b>Direct Streaming</b> – Signia streaming technology ratings were significantly higher than the industry average for the categories of intelligibility, quality, and naturalness of telephone conversation. <sup>10</sup> Connects directly to Apple® devices for phone calls and audio streaming. Android™ devices and the StreamLine™ Mic accessory make streaming easy and hands-free. The StreamLine™ TV accessory transmits high-quality stereo sound directly from the wearer’s TV. Available for Bluetooth® hearing aids only.	✓	✓	✓	✓	✓
<b>Telecare™</b> – Provides remote fine-tuning services including additional tools to follow up with patients. Proven to increase patient satisfaction for new hearing aid fittings more than patients fitted without TeleCare. <sup>9</sup> In addition, the user engagement and autonomy can be increased via the Signia App.	✓	✓	✓	✓	✓

## Signia Feature Overview Footnotes

<sup>1</sup> Not available with Silk or Active

<sup>2</sup> Froehlich M, Freels K, Powers T. (2015). Speech recognition benefit obtained from binaural beamforming hearing aids: comparison to omnidirectional and individuals with normal hearing AudiologyOnline, Article 14338. Retrieved from <http://www.audiologyonline.com>

<sup>3</sup> Froehlich M, Freels K, Powers T. (2015). Speech recognition benefit obtained from binaural beamforming hearing aids: comparison to omnidirectional and individuals with normal hearing AudiologyOnline, Article 14338. Retrieved from <http://www.audiologyonline.com>

<sup>4</sup> Branda E, Powers TA, Weber J. (2019) Clinical Comparison of Premier Hearing Aids. Canadian Audiologist. 6 (4).

<sup>5</sup> Not available in Silk

<sup>6</sup> Chalupper J, Wu Y, Weber J. (2011) New algorithm automatically adjusts directional system for special situations. Hearing Journal. 64(1): 26-33.

<sup>7</sup> Freels K, Pischel C, Wilson C, & Ramirez P. (2015, October). New wireless, binaural processing reduces problems associated with wind noise in hearing aids. AudiologyOnline, Article 15453. Retrieved from <http://www.audiologyonline.com>.

<sup>8</sup> Folkeard P, Littmann V, Scollie S. (2017) Using a De-reverberation Program to Improve Speech Intelligibility and Reduce Perceived Listening Effort. Hearing Review. 24(4):32-33.

<sup>9</sup> Froehlich M, Branda E, Apel D. (2018). Signia TeleCare facilitates improvements in hearing aid fitting outcomes. AudiologyOnline, Article 24096. Retrieved from [www.audiologyonline.com](http://www.audiologyonline.com)

<sup>10</sup> Froehlich M, Junius D, Branda E. (2017) A Comparison of Signal Quality of Direct Streaming Hearing Aids. Canadian Audiologist. 4 (4).

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