

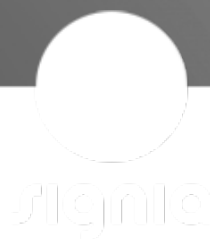


Introducing Signia Integrated Xperience: Unleash the Power of Conversation

IX

Integrated
Xperience

Be
Brilliant™



Introducing Signia Integrated Xperience: Unleash the Power of Conversation



Webinar FAQs

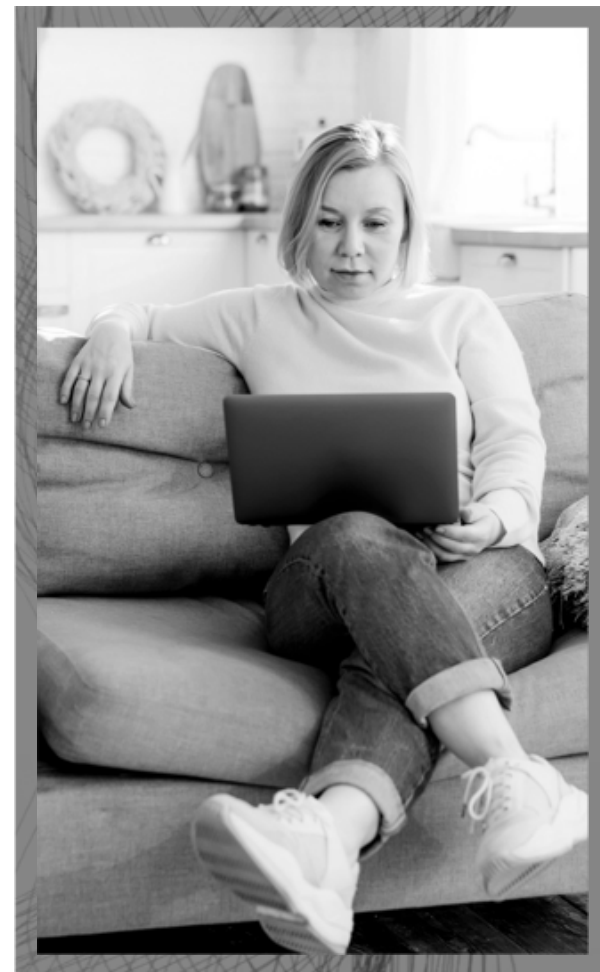
- **How to ask a question:**
 - Click Q&A, type your question and send
- **Where to get the handout:**
 - Download from Pending Courses
 - Click on link from Chat
- **How to earn CEUs:**
 - After the course, go to your Pending Courses on AudiologyOnline and pass the multiple-choice exam
 - Must have a paid membership to earn CEUs
- **For assistance or tech support:**
 - Call 800-753-2160
 - customerexperience@continued.com
 - Use the Q&A window

AUDIOLOGYONLINE



Introducing Signia Integrated Xperience: Unleash the Power of Conversation

1. After this course, participants will be able to describe how Signia's latest innovation in split processing helps to empower the wearer to contribute to the conversation in challenging situations.
2. After this course, participants will be able to describe the additional benefit of RealTime Conversation Enhancement.
3. After this course, participants will be able to describe the benefits of the new form factors available in the new platform.



AUDIOLOGYonline



The Signia Research Network

Hundreds of publications across multiple centers involving 1000s of participants

Multi-modal objective and subjective data with a holistic focus:

- Physiological
- Neural
- Behavioral

Working to improve conversation is at the core of what we do





7 Elements of Successful Conversations

Listed from least to most important

7. Not having to engage in coping mechanisms
6. Feeling positive emotions
5. Perceiving flowing and balance interactions
4. Sharing information as desired
3. Being engaged and accepted
2. Being spoken to in a helpful way
1. Being able to listen easily





Signia Integrated Xperience

Unleash the Power
of Conversation



Be
Brilliant™

Group Conversation in Noise is Difficult...

Group conversations in noise are the biggest unmet need for people with hearing loss

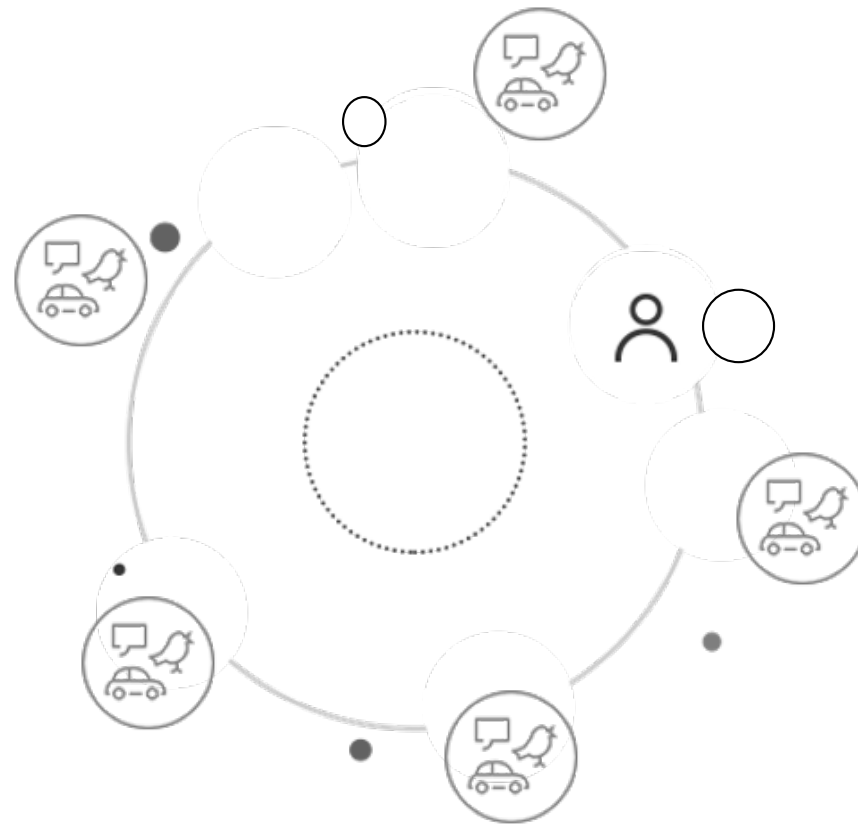
Can lead to frustration, isolation and ultimately withdrawal

They miss out on the moment, we miss out on their contribution to the conversation

*Visit signia-pro.com/en-us/claims-data for more details



Traditional Approaches Fall Short



Traditional Approaches Fall Short

Narrow Focus



Traditional Approaches Fall Short

Broad Focus



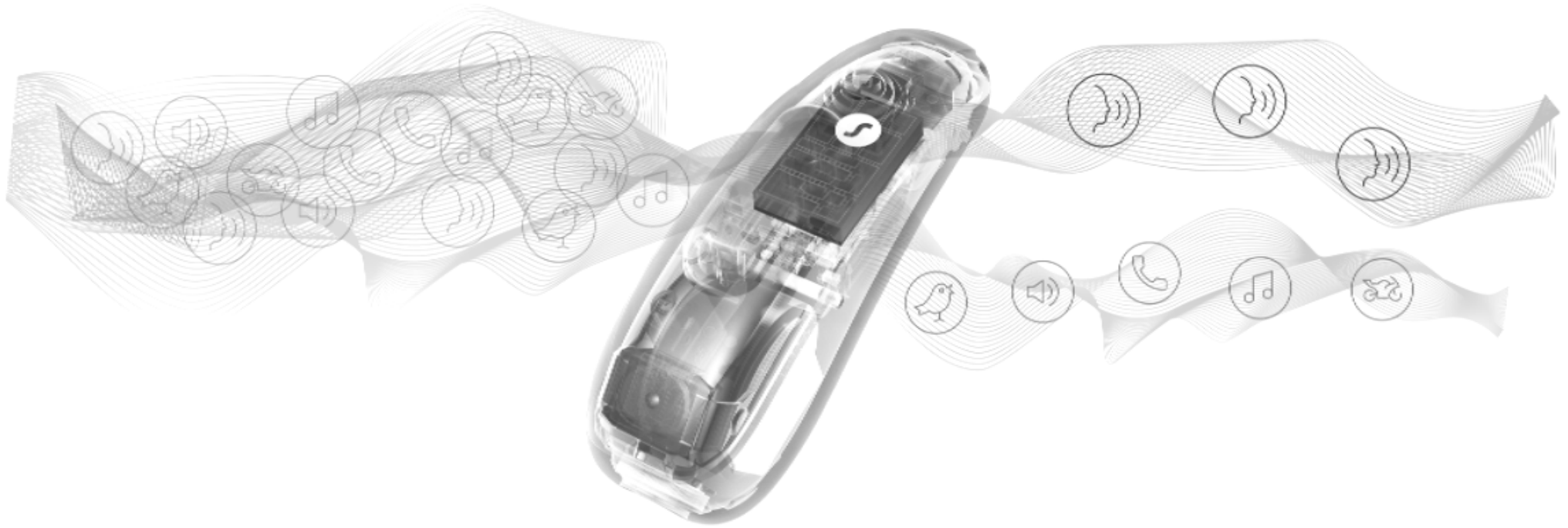
Wearers Need a New Approach that Puts Conversation First

Adapts to and enhances
all conversation partners in real time

Preserves
the surrounding sounds
keeping them comfortable



Built on Augmented Focus™ Split Processing





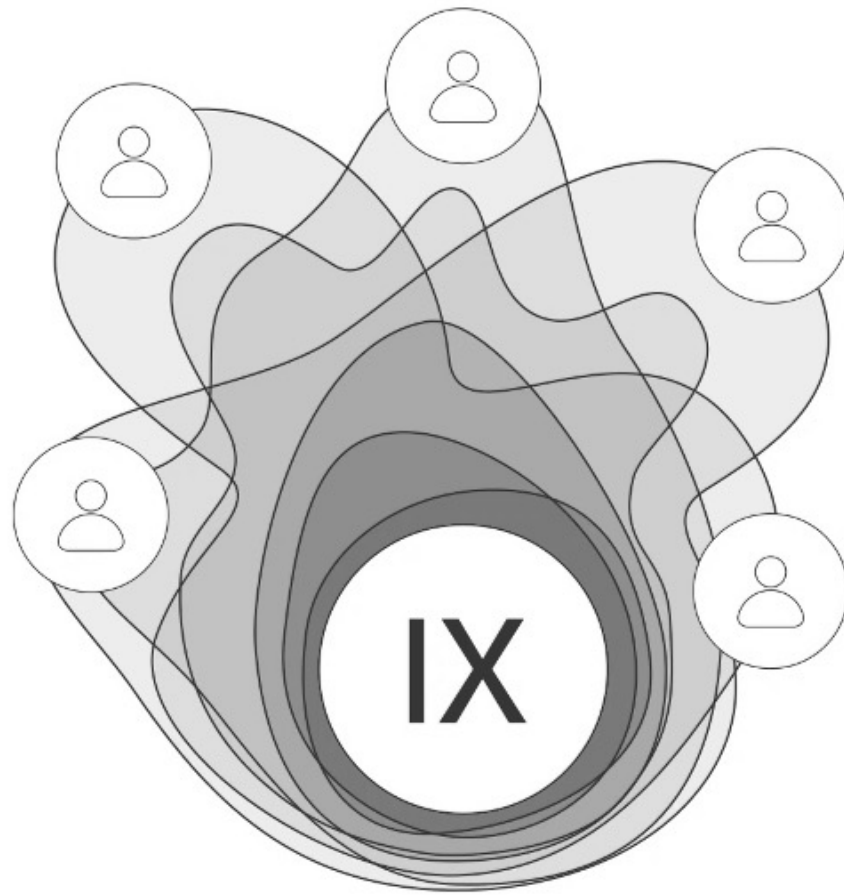
Introducing Signia Integrated Xperience with RealTime Conversation Enhancement

A breakthrough approach to address the long-standing challenges faced by hearing aid wearers



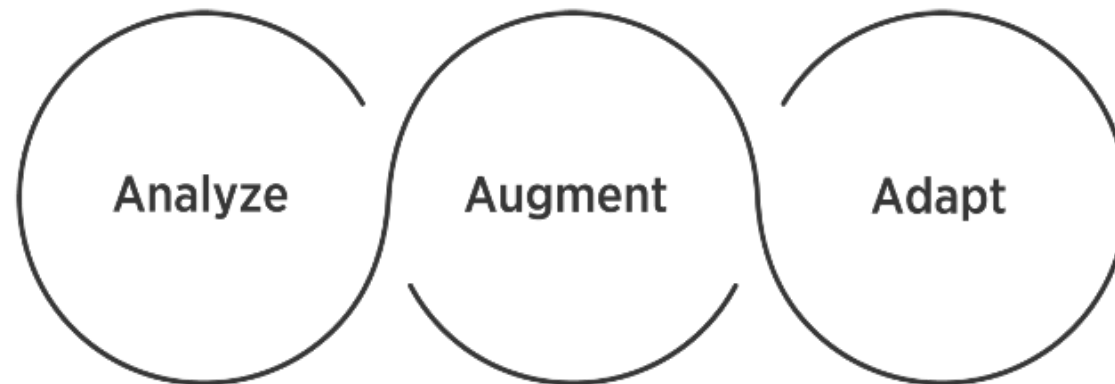
Don't Just Take our Word for It, See It in Action...





Signia IX with RealTime Conversation Enhancement

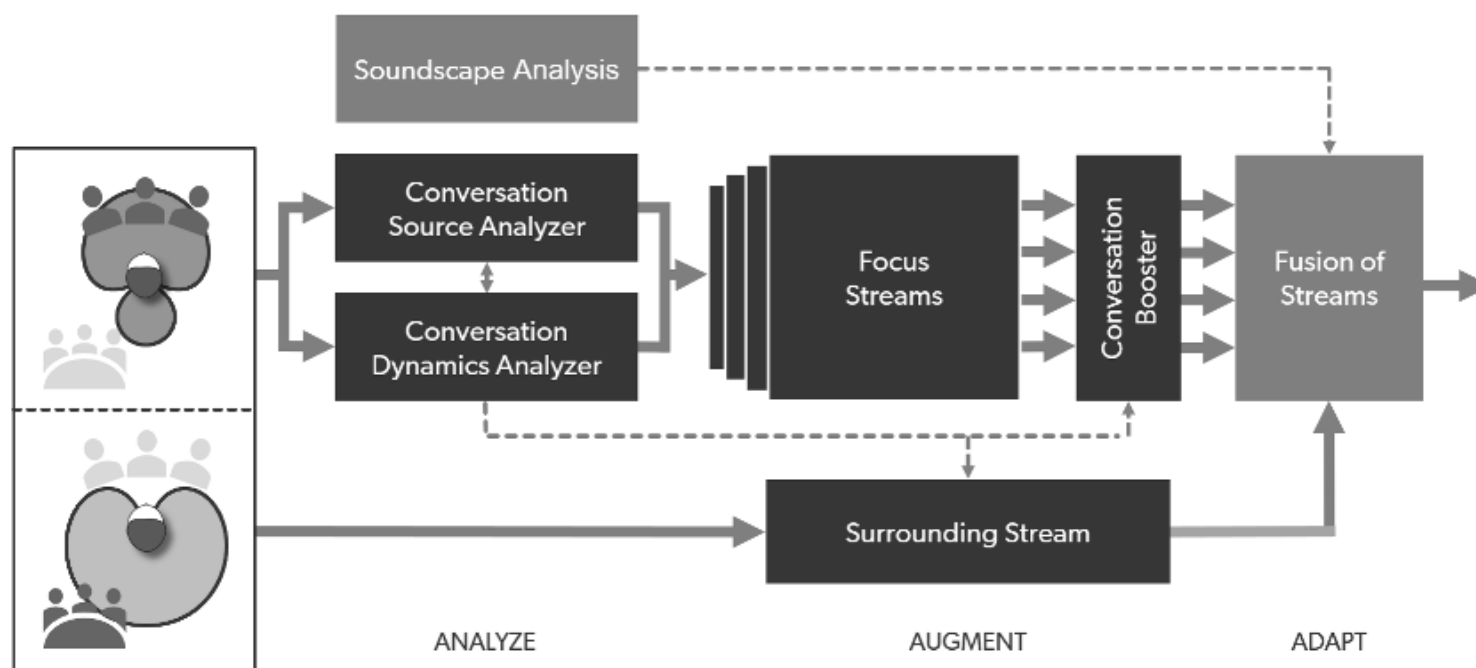
A revolutionary three stage process that puts conversation first:

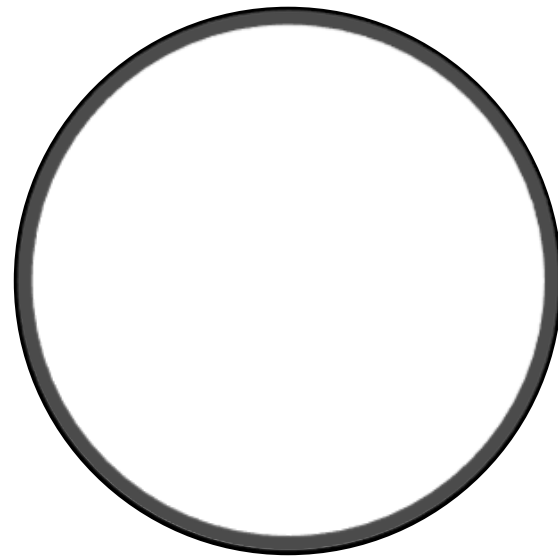


The world's first hearing aid with a multi-stream architecture capable of accurately pinpointing multiple moving speakers in real-time conversation

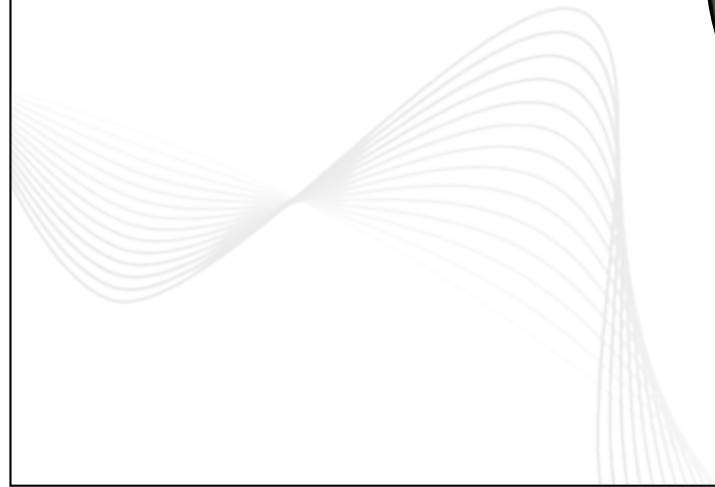


RealTime Conversation Enhancement can be Conceptualized in Three Steps: Analyze, Augment, Adapt

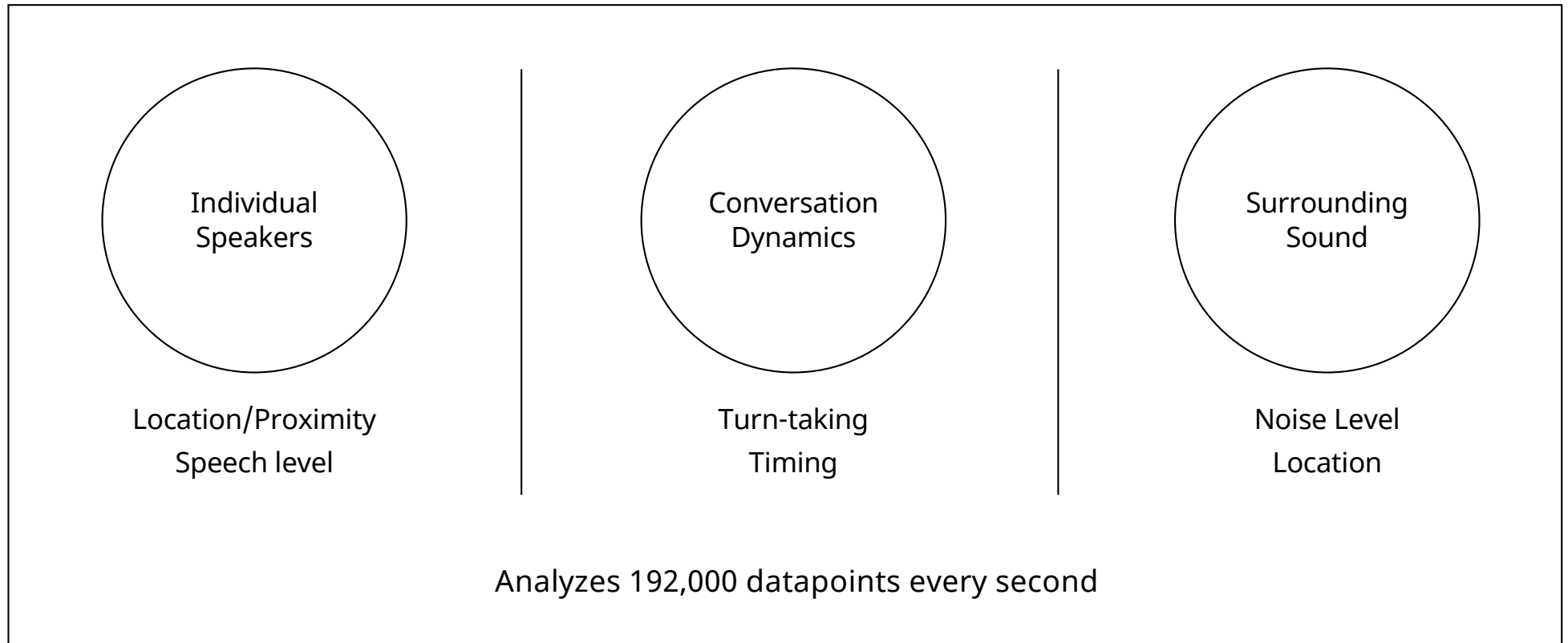




Analyze



Analyze

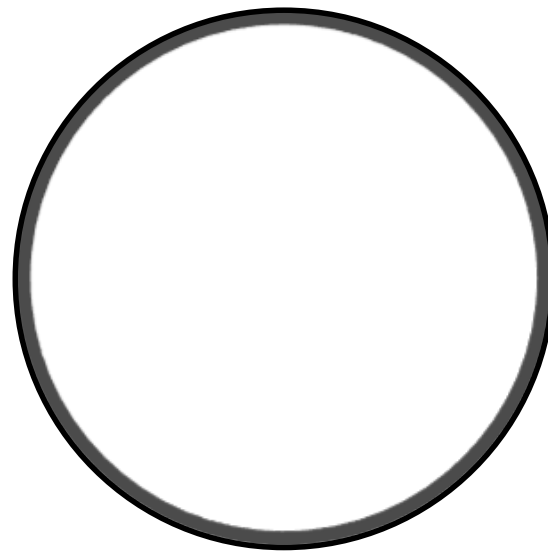


Analyze: Conversation Analyzer

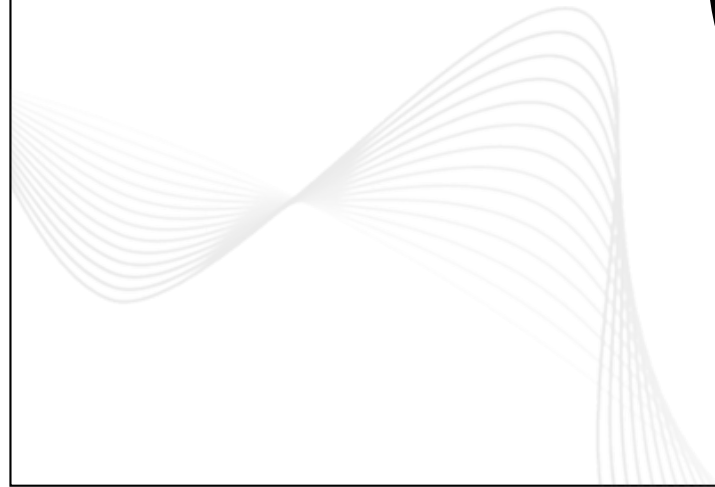
The Conversation Analyzer can be divided into two components:

1. Conversation Source Analyzer constantly scouts the acoustic environment to identify number of talkers and their location
2. Conversation Dynamics Analyzer analyzes conversation dynamics including turn-taking and timing, locations of pure noise without speech, and levels of background noise





Augment

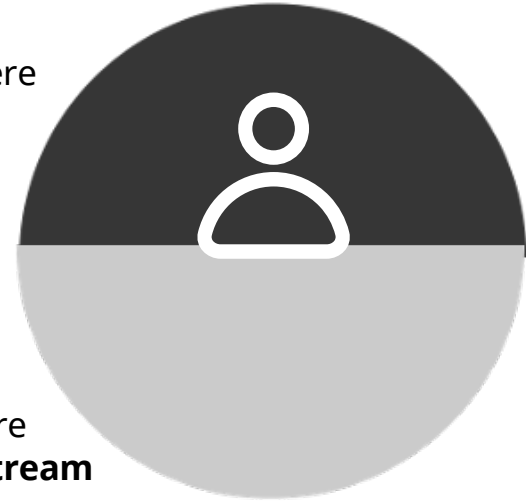


Augment: Focus Streams

RealTime Conversation
Enhancement is made possible
by the split processing capability
of **Augmented Focus**

Front hemisphere
focus stream

Back hemisphere
surrounding stream



Augment: Focus Streams

RealTime Conversation Enhancement adds **up to three additional advanced focus streams**

Each additional focus stream operates independently within a specific region in the front hemisphere and **change width and orientation**



Augment: Focus Streams

Each focus stream operates independently.

Not limited in number, but for example, three **simultaneous** talkers, each located within the region of a different focus stream, could be targeted for enhancement simultaneously.



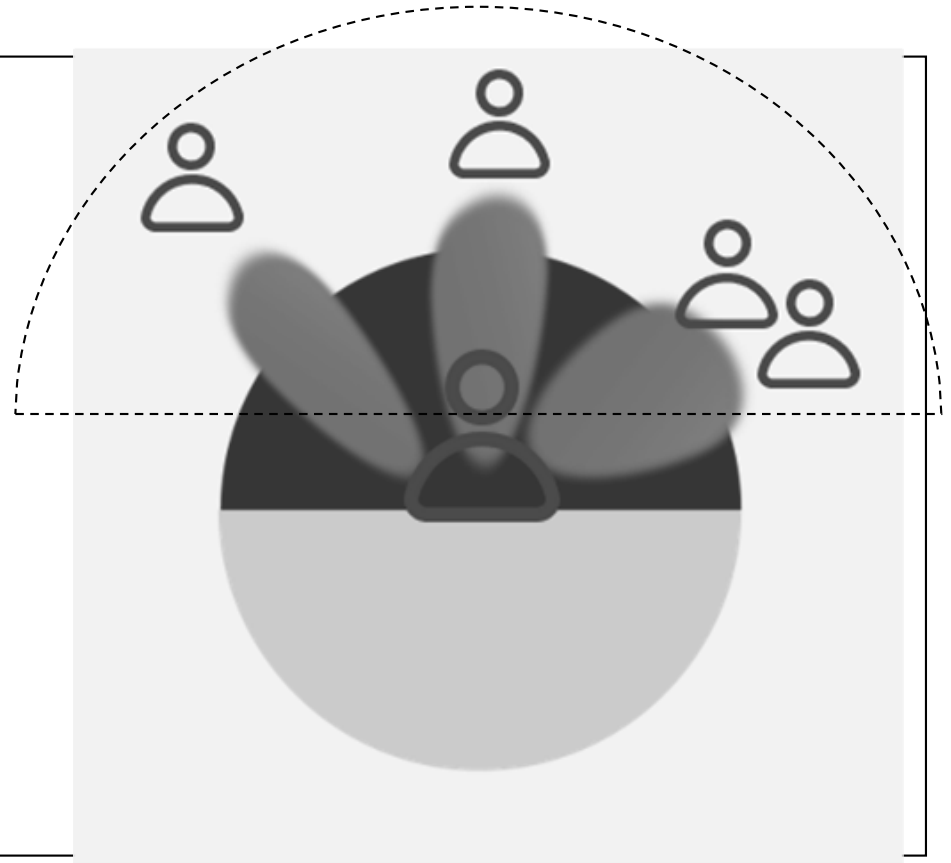
Augment: Focus Streams

If multiple talkers are located within one region, the analysis of conversational dynamics such as **turn-taking and timing** is used to shape the binaural beamformer in a way that preserves sensitivity in the direction of a known conversation partner, even when they are not speaking.



Augment: Focus Streams

Proximity analysis is used to ensure that only speech originating within an expected conversational distance (approx. 2 meters) will be enhanced within the focus stream.



Augment: Conversation Booster in Detail

The **Conversation Booster**

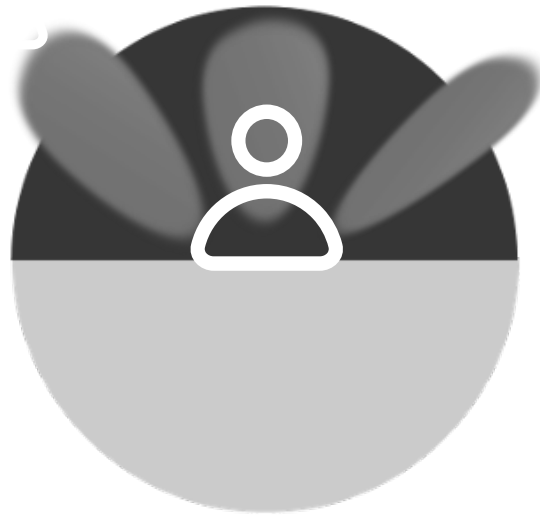
- Looks across all focus streams in combination — including the Augmented Focus front hemisphere stream
- Determines the optimal amount and balance of speech enhancement and noise reduction to augment speech while preserving the acoustic environment



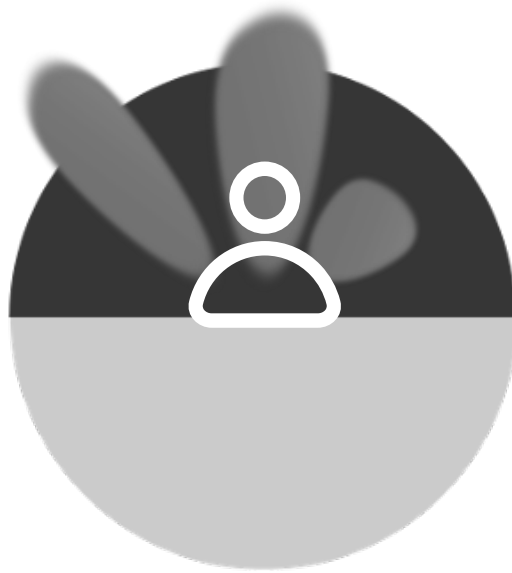


Adapt

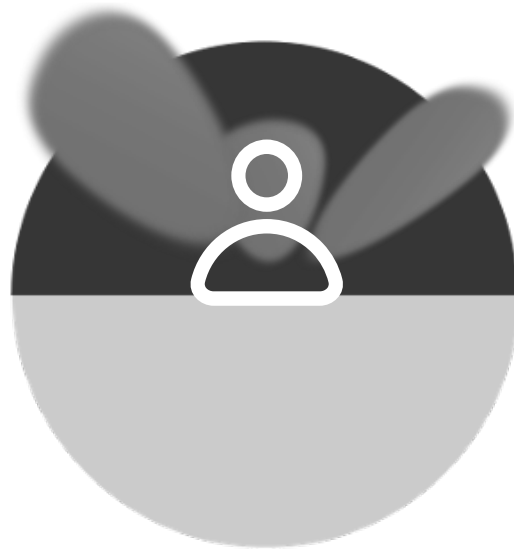
Adapt



Adapt



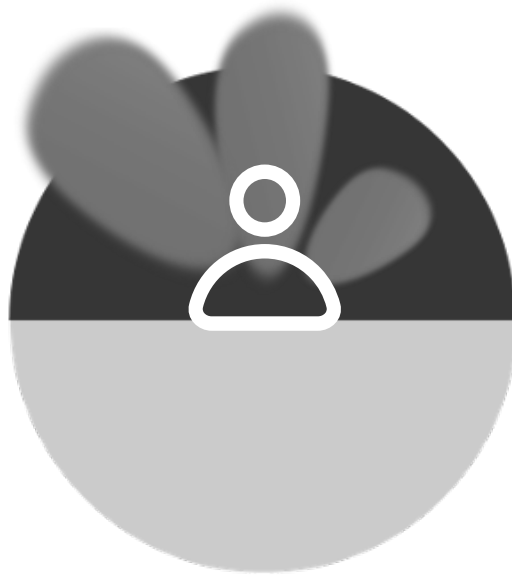
Adapt



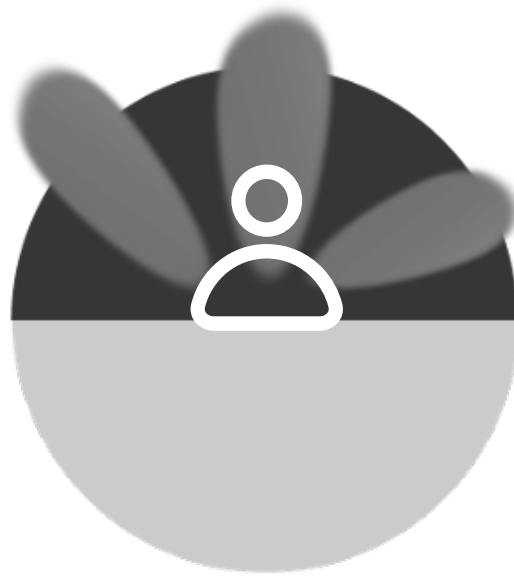
Updating 1000 times a second



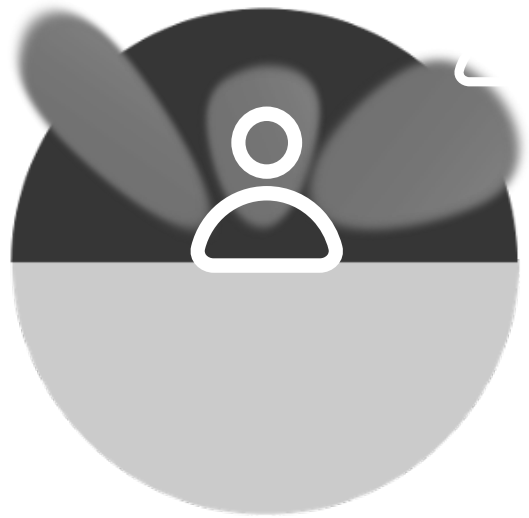
Adapt



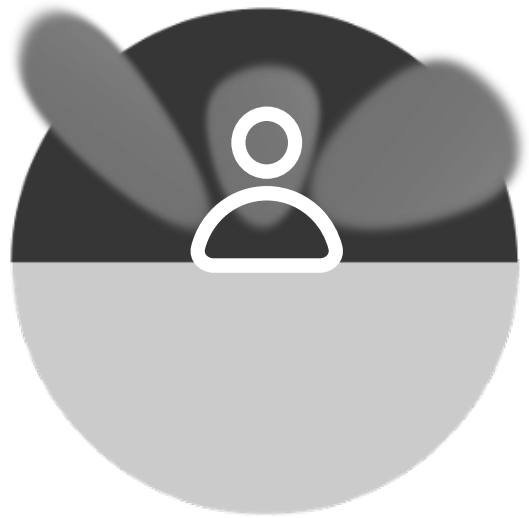
Adapt



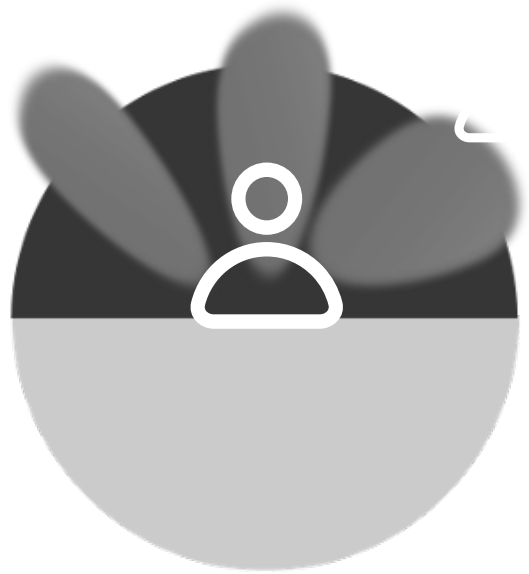
Adapt



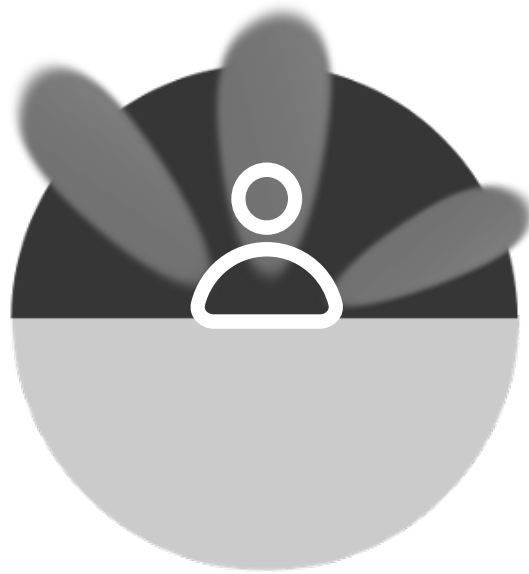
Adapt



Adapt

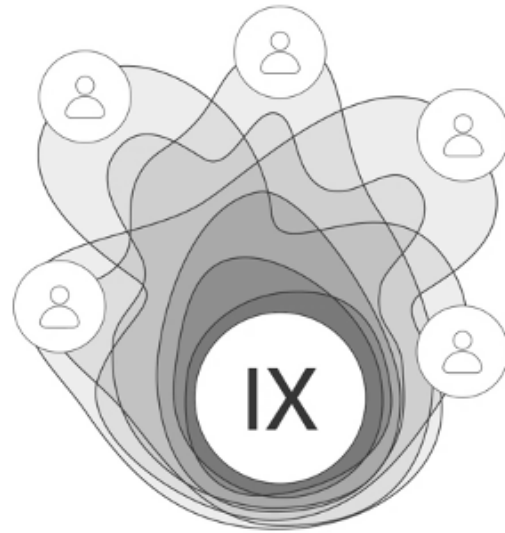


Adapt



Adapt: A Live Auditory Space

The result is **a live auditory space** that can keep up with dynamic conversations in challenging acoustic environments.



Further Personalization via DSP 3.0

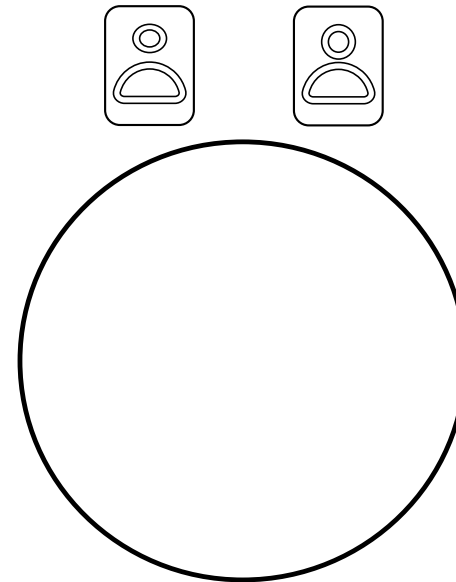
RealTime Conversation Enhancement is a part of **Dynamic Soundscape Processing 3.0**

This means it is adjusted by using the **Dynamic Soundscape Processing slider in Connexx** and through changes made by the **Signia Assistant**



95% of Wearers had Improved Performance in a Group Conversation Scenario*

**Group conversation
scenario...**not your typical
lab setup



*Compared to RealTime Conversation Enhancement off

RealTime Conversation Enhancement Benefits

A comfortable,
immersive
conversational
experience without
distractions

Access to multiple
speakers with speech
that pops above the
surrounding sound

Keep up and
contribute to the
conversation



Integrated Xperience Form Factors



Be
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Setting a New Benchmark for Rechargeable Hearing Aids





Pure Charge&Go IX & Pure Charge&Go T IX



Be
Brilliant

Advanced Hearing Technology with Thoughtful Design

Pure Charge&Go IX & Pure Charge&Go T IX

7IX

5IX

3IX

sDemo*

CROS

*T IX only

Pure Charge&Go IX



Pure Charge&Go T IX



Colors

sDemo



Same 10 color choices as AX

Receiver Strengths*

S-Receiver	M-Receiver	P-Receiver	HP-Receiver
46 dB / 110 dB SPL	60 dB / 119 dB SPL	65 dB / 122 dB SPL	75 dB / 131 dB SPL

*Compatible with EarWear 3.0

New Rocker Switch Behavior

Note a change in the rocker switch behavior for Pure Charge&Go IX / T IX:

Pure Charge&Go IX / T IX can be turned on and off by pressing the lower **rocker switch button**



Pure Charge&Go IX



Up to 28 hrs runtime / 24 hours runtime w/ 5 hrs of streaming



Up to additional 6 hrs of runtime with 30-minute fast charge

7IX

5IX

3IX

sDemo*

CROS



Pure Charge&Go T IX



Up to 39 hrs runtime / 34 hrs runtime w/ 5 hrs of streaming



Up to 6 hrs of additional runtime with a 30-minute fast charge

7IX

5IX

3IX

sDemo*

CROS



CROS Pure Charge&Go IX

CROS Pure Charge&Go IX

- Compatible with all performance levels 7/5/3

CROS battery runtime

- Up to 29 hours without streaming



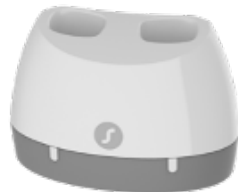
Chargers Options

NEW!

Multi Charger
(default charger for sDemo)



Standard Charger



Portable Charger



Dry & Clean Charger



Pure Charge&Go IX connectivity



*Future firmware update required

Accessories

StreamLine™ Mic



StreamLine™ TV



miniPocket



Unleash the Power of Conversation

Access to group conversation



RealTime Conversation Enhancement

Split Processing

Contribute comfortably



Own Voice Processing 2.0

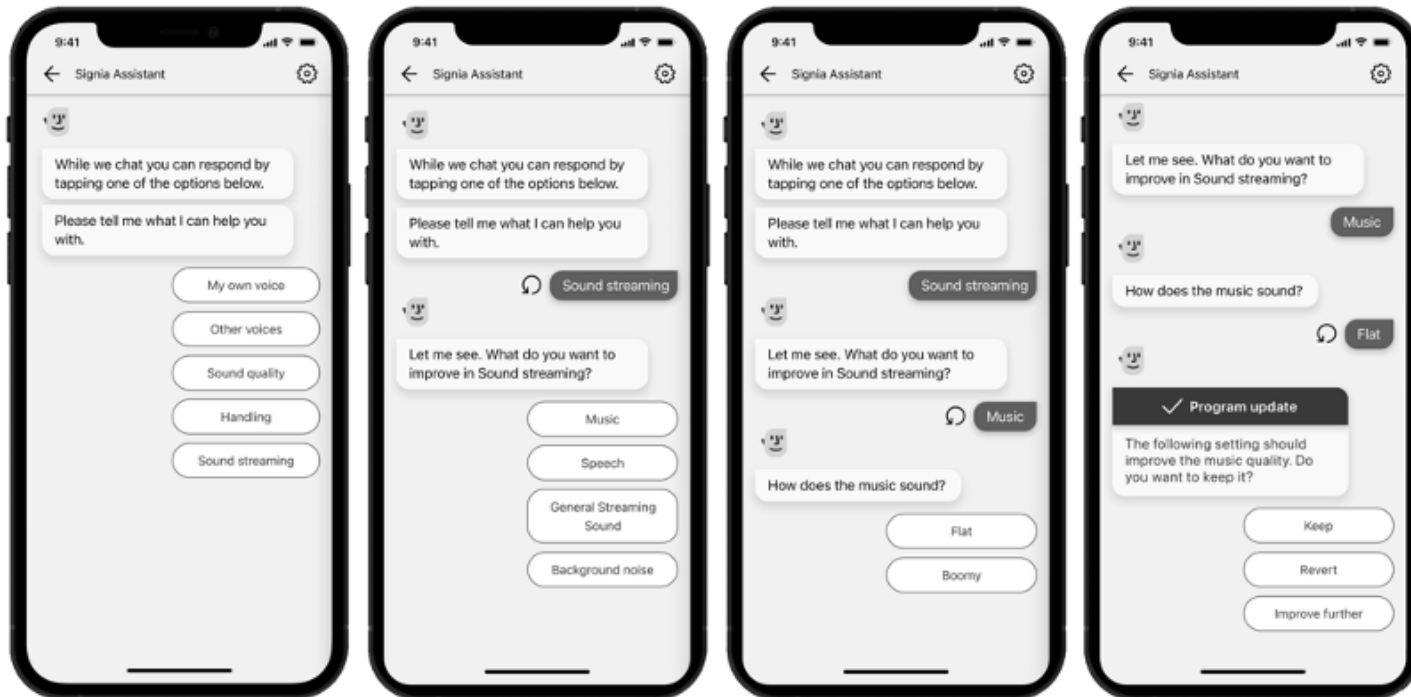
Fine-tuning in the moment



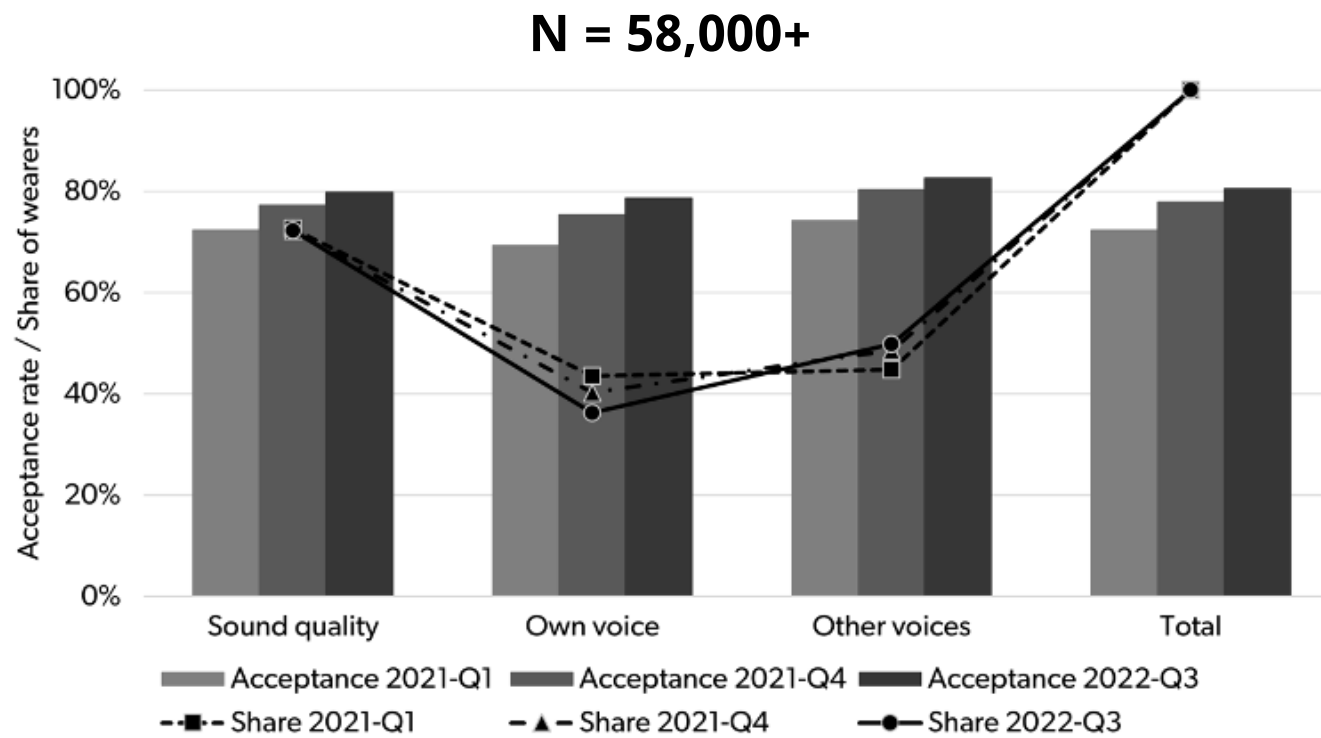
Signia Assistant



AI-based Fine-tuning



Results



“How AI-driven, self-guided fitting apps improve wearer acceptance rates”
2023 AAS poster by Brian Taylor and Sogaard Jensen

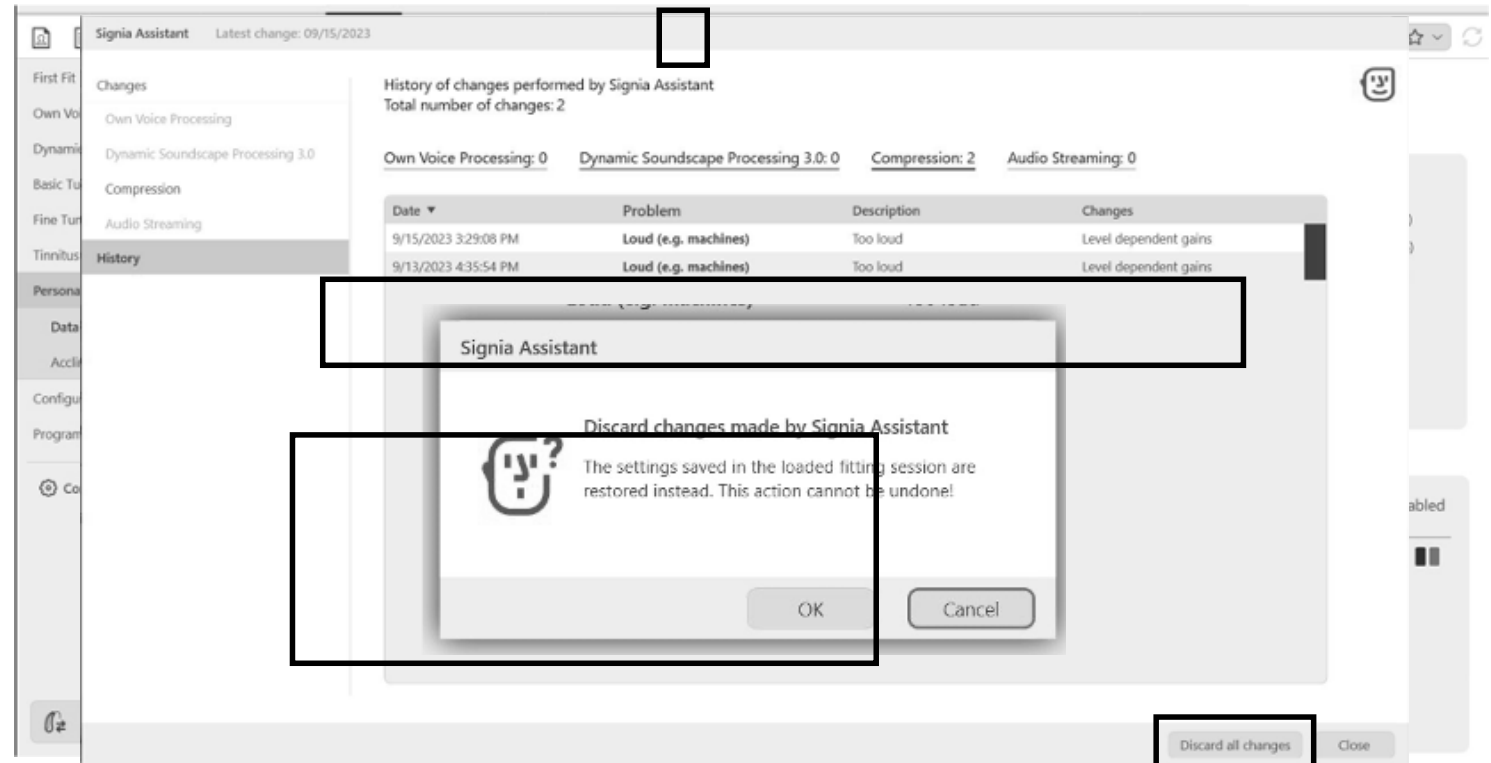
Data Insights

Signia Assistant history is always available

Signia Assistant icons:

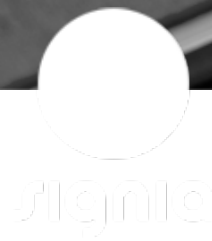
 if new Signia Assistant changes are available

 if only history is available





Silk Charge&Go IX



Be
Brilliant™

Seamless Hearing with Discretion

Silk Charge&Go IX

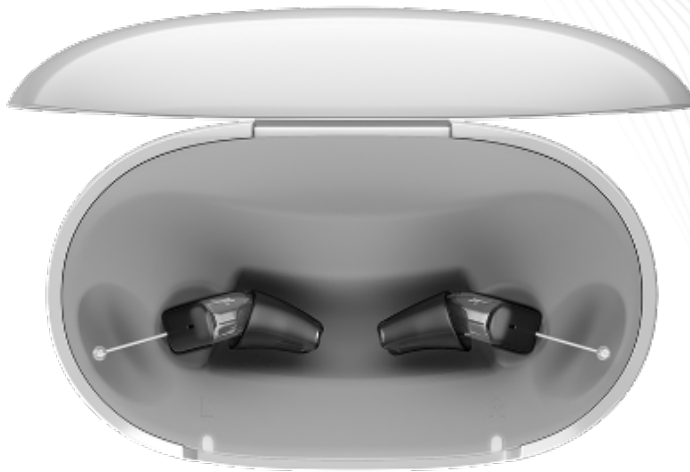
7IX

5IX

3IX

sDemo

CROS

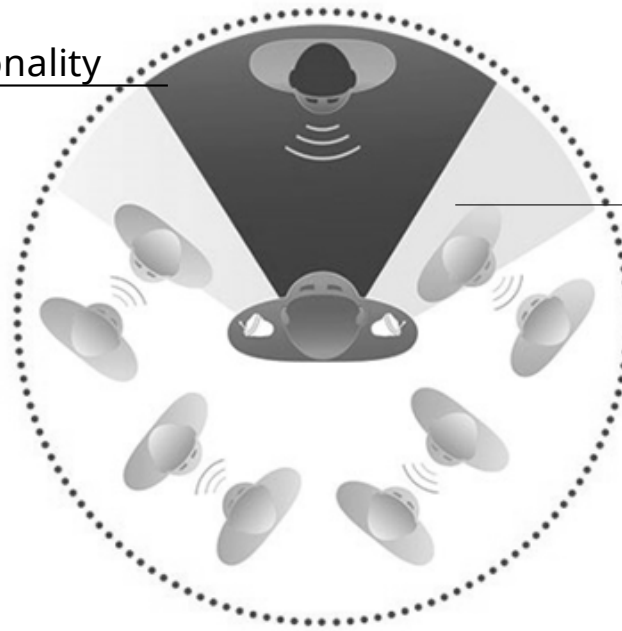


- ✓ Upgraded to Integrated Xperience architecture offering a full 20% increase in computational power*
- ✓ Now with the convenience of rechargeability on the go!
- ✓ All without compromising on size or performance



The Only CIC with Binaural OneMic Directionality

Binaural OneMic Directionality



Natural pinna effect

Rechargeability Without Compromise

Silk Charge & Go IX



Fits mild to moderate hearing loss
50dB/114 dB SPL (2ccm coupler)

Power to hear all day
*Up to 28 hours on a single charge
30-min fast charge provides additional 7 hours*

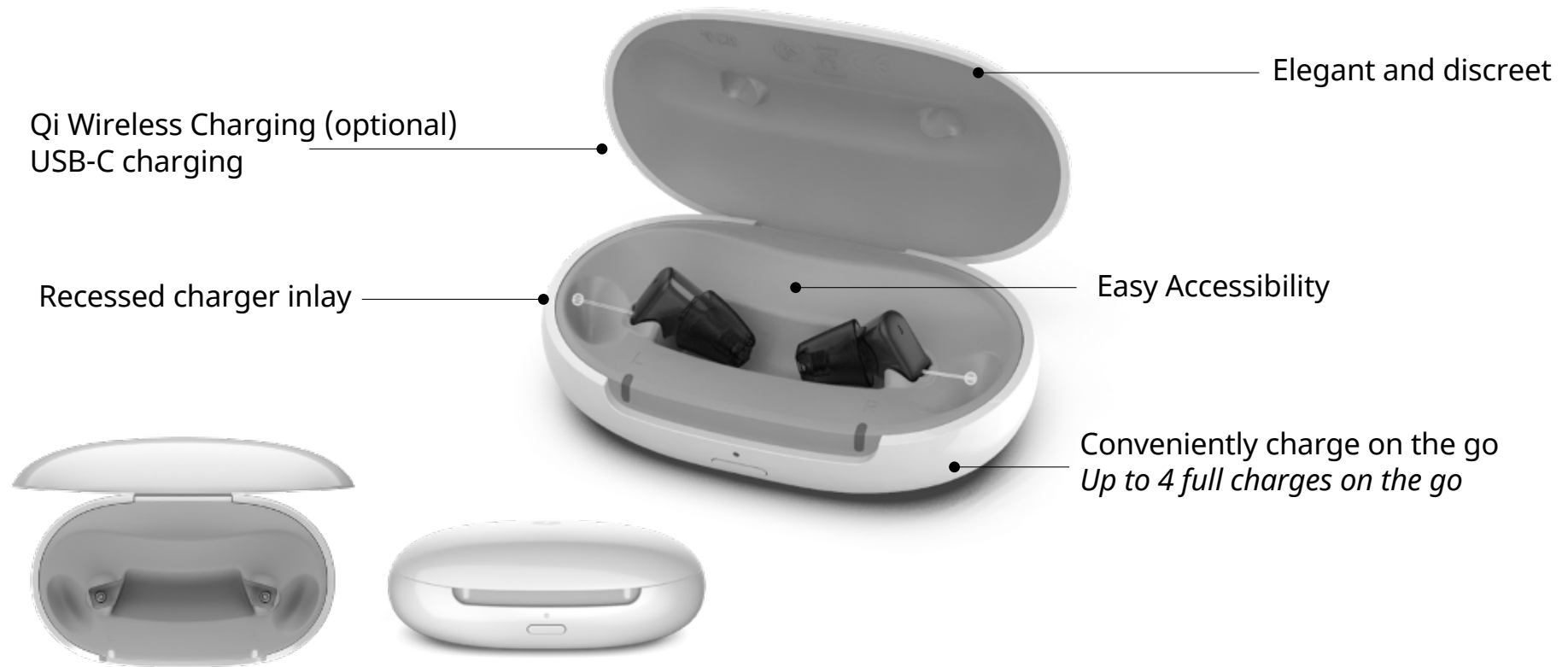
Binaural OneMic Directionality
Focus on the speaker in a noisy environment

Unmatched Discretion
The soft, textured faceplate surface avoids reflections for added discretion

Convenient Control
Signia App or miniPocket via acoustic pairing

Thoughtful Design for Ease of Use

Silk Charge&Go IX



Immediate Fit with Immediate Impact

Silk Charge&Go IX

- ✓ Instantly fit with new ultra comfortable EarWear 3.0
- ✓ Custom earmolds available



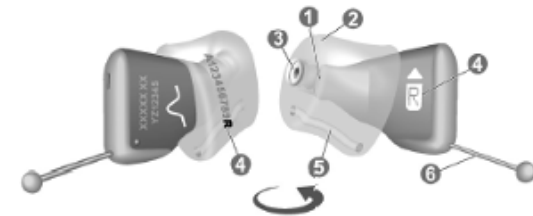
Mocha
with red/blue shell



Black
with red/blue shell



Components and names



- | | |
|----------------------|---|
| ① Receiver connector | ④ Side indicator (blue text/L = left ear, red text/R = right ear) |
| ② Canal end tip | ⑤ Vent |
| ③ Wax filter | ⑥ Removal cord |

Wireless Programming via ConnexxAir

Silk Charge&Go IX



NEW! More channels in IX and Connexx

Increase in the number of processing channels and frequency shaping handles for 5 IX and 3 IX performance levels

	700	500	300
AX	20 (48)	16 (32)	12 (24)
IX	20 (48)	18 (36)	16 (32)

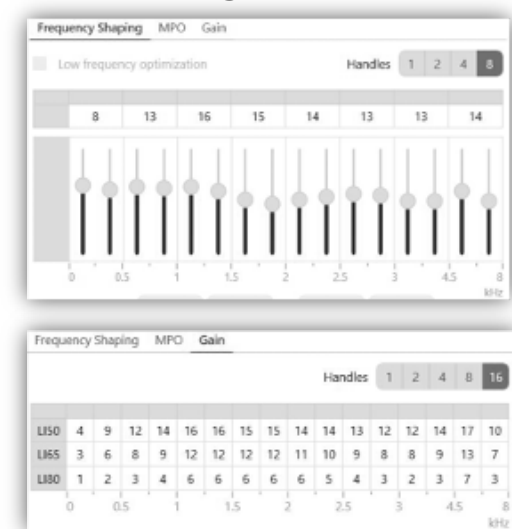
7 IX



5 IX



3 IX

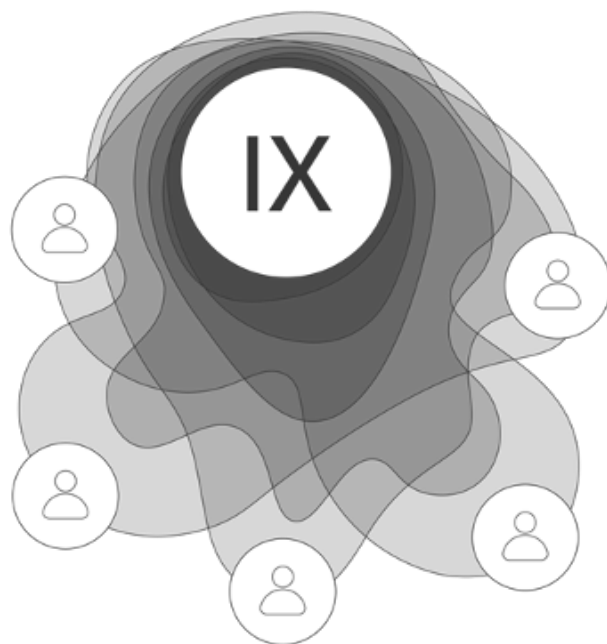


Unleash the Power of Conversation with Signia Integrated Xperience

A decade of research and breakthrough technologies come together to drive unique wearer benefits

- Hear multiple talkers even as they move with RealTime Conversation Enhancement technology
- Contribute comfortably with Own Voice Processing 2.0
- Get help when you need it, where you need it with Signia Assistant

Integrating seamlessly to unleash the power of conversation



**Signia Has Changed
The Game!**



Be
Brilliant™

Unleash the Power Of Conversation!





signia

Thank you
for joining today!

SigniaUSA
800-766-4500

AUDIOLOGYonline