

Technical Details of the IX Platform: Signia's Approach to Signal Processing in Demanding Listening Environments. Brian Taylor Interviews Eric Branda, March 2024

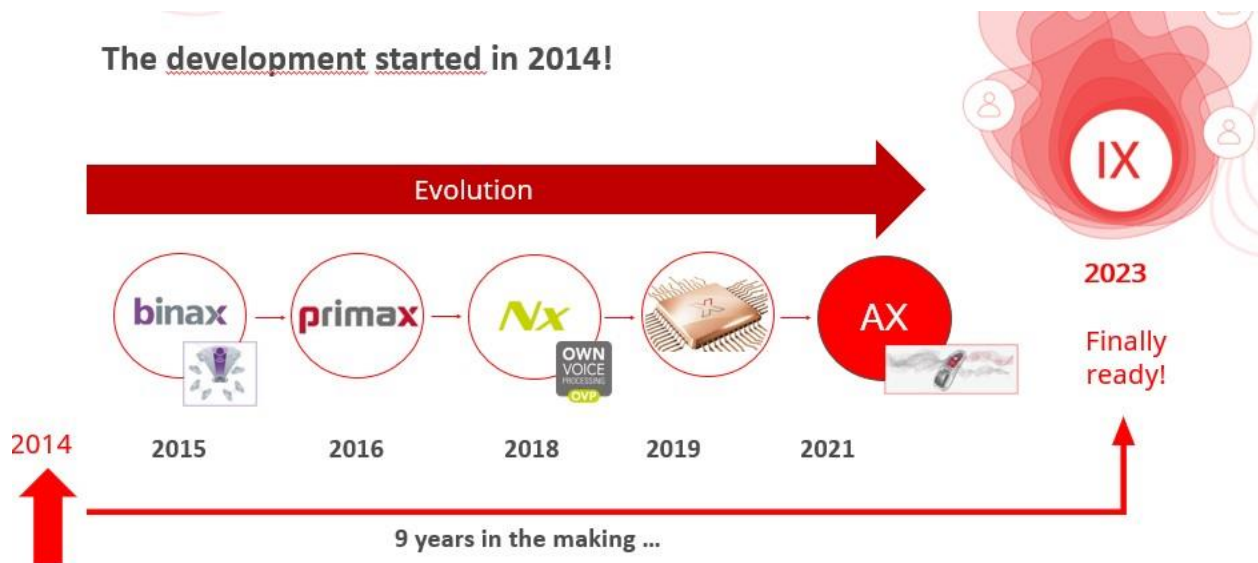


Figure 1. Evolution of Signia platforms

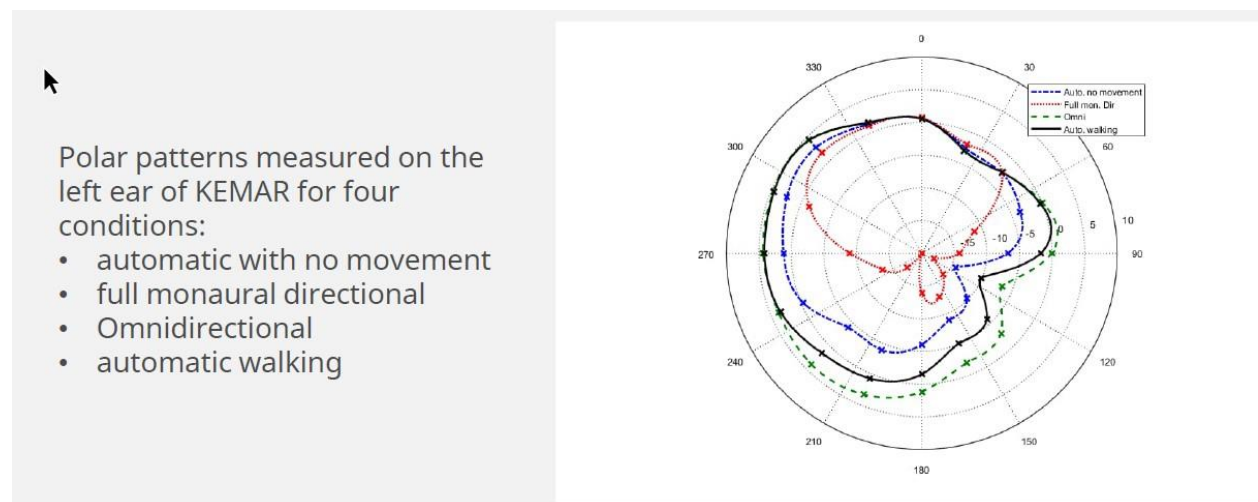


Figure 2. Motion sensors in hearing aids

Real Time Conversation Enhancement

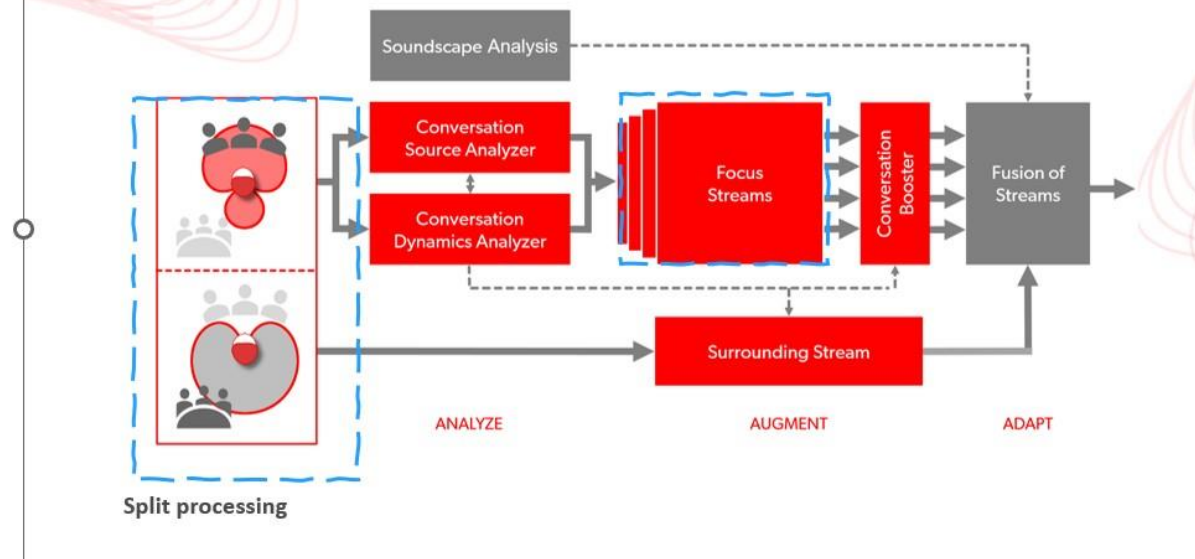


Figure 3. The key components of IX processing

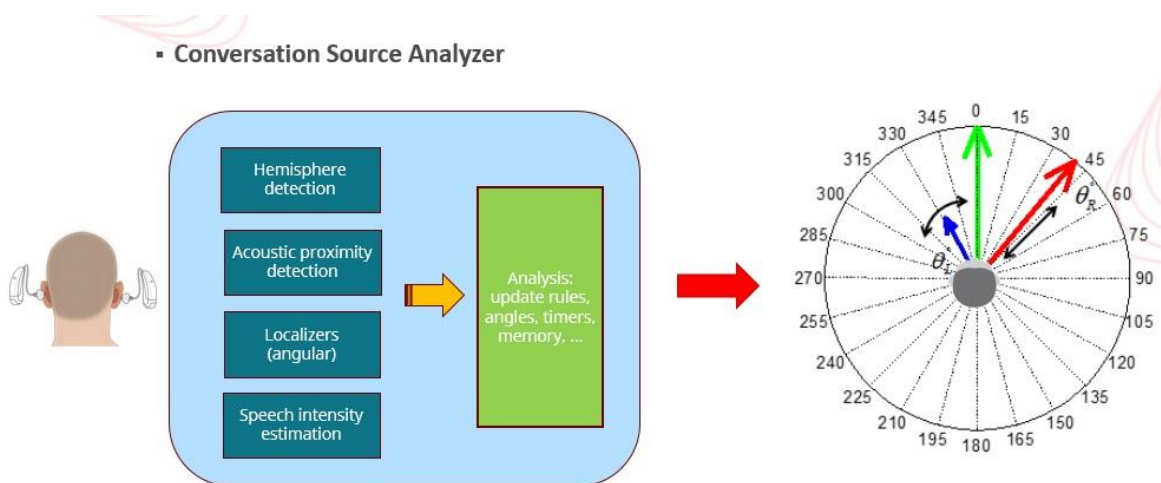


Figure 4. Details of the Conversation Source Analyzer, a key component of IX's split processing

- A. Bench top study – describes the study and results (4 dB relative improvement) https://www.signia-library.com/scientific_marketing/improving-snr-in-group-conversations-with-signia-ix/
- B. Lab study – describes study and results (95% of the participants showed better performance with RealTime Conversation Enhancement) https://www.signia-library.com/scientific_marketing/power-the-conversation-with-signia-integrated-xperience-and-realtime-conversation-enhancement/
- C. Real world survey – Use of IX shows greater self-reported ability to contribute, feeling of confidence and not having to withdraw compared to “own hearing aids” https://www.signia-library.com/scientific_marketing/real-world-assessment-of-signia-integrated-xperience-with-realtime-conversation-enhancement/