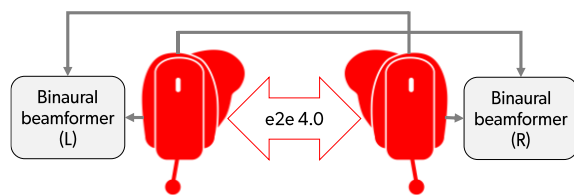


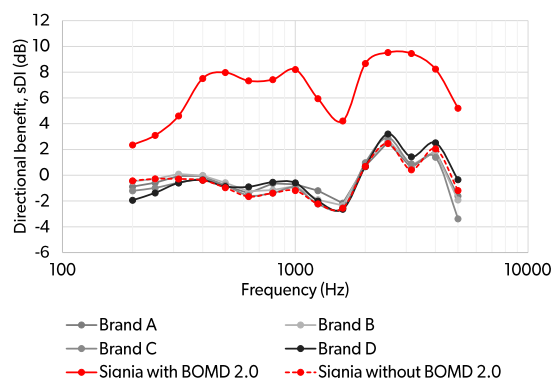
Binaural OneMic Directionality 2.0 delivers 5 times the speech enhancement in noise versus key competitors

Signia is the only hearing aid manufacturer able to offer directionality in single-microphone hearing aids.

Binaural OneMic Directionality (BOMD) 2.0 technology is powered by the proprietary low-latency, high-bandwidth binaural link – e2e 4.0 – offered by the Signia Integrated Xperience (IX) platform.



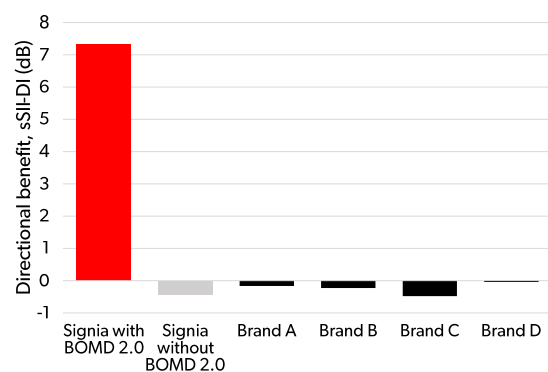
In a technical study¹, we measured the sequential Directivity Index (sDI) to investigate the raw directional benefit of BOMD 2.0 in Signia Insio Charge&Go CIC IX and compared it to the directional performance of four premium competitor CIC hearing aids (Brands A-D).



The sDI results showed that only Signia with BOMD 2.0 can deliver a clear directional benefit, whereas the competitor hearing aids rely solely on the

pinna effect and are therefore nearly identical across brands. This includes a recently introduced instant-fit CIC/ITE model (Brand B) offering DNN noise reduction, which is also shown to offer no directional benefit.

The SII-weighted average sDI value (sSII-DI) was calculated to indicate the overall directional SNR benefit. **This benefit was more than 7 dB higher for BOMD 2.0 compared to the competitors.** An SNR increase of 7 dB corresponds to increasing the ratio between the intensity of speech and the intensity of noise by a factor of five. This means **BOMD 2.0 delivers five times the speech enhancement in noise.**



In another study with human participants¹, it was confirmed that the directional benefit of BOMD 2.0 indeed delivers a **statistically significant improvement of speech understanding in noise** in a complex speech-in-noise scenario.

These studies confirm that only Signia can offer directional speech enhancement and improve speech understanding in noise with near-invisible, single-microphone hearing aids.

1. Jensen, N. S., Samra, B., Hain, J., & Branda, E. (2026). Binaural OneMic Directionality 2.0 delivers 5 times the speech enhancement in noise versus key competitors. Signia White Paper (2nd revision).

Unleash the power of conversation

Signia IX with Binaural OneMic Directionality 2.0 delivers enhanced speech-in-noise performance, significantly outperforming single-microphone hearing aids from competitors and improving speech understanding without sacrificing discreet design.

Signia IX supports wearers to keep up with the conversation no matter how busy it gets, empowering them to participate and contribute with ease, and to unleash the power of conversation!

Read the full paper here:

