REAL TIME INTEREAR SPEECH ENHANCER

- The Real Time InterEar Speech Enhancer simulates "selective listening" in situations where the listener wishes to focus on a single speaker.
- The Real Time InterEar Speech Enhancer reduces noise and enhances speech on the side where the dominant speaker is identified.
- Provides additional cues to single out a dominant speaker, while attenuating background noise.
- Real time speech detection significantly reduces noise further when speech is not detected in the signal spectrum as additional gain is only added to dominant speech in the signal.

**DREAM** – SE adding extra gain to dominant speech and speech babble

**UNIQUE** – SE only adding extra gain to dominant speech, reducing unwanted gain and noise

**GOAL**

Concentrate on and follow speech even in noisy situations.

Greater comfort in noisy environments when speech is not present.
REAL TIME INTEREAR SPEECH ENHANCER

• The Real Time InterEar Speech Enhancer noise reduction system is based on the standardised measure of SII (Speech Intelligibility Index) to work out the optimum gain for speech understanding.

• Unique system that takes the hearing loss and the immediate acoustic environment into account, to optimise the gain for maximum speech intelligibility by means of a constant estimation of the SII during noise reduction*.

• The Noise level is reduced down to the Hearing Threshold to minimise risk of reducing speech intelligibility.

• Fast stable estimations of the noise and speech levels allows activation of noise reduction within 3-4 seconds.

• A Speech Enhancer study has shown improvement in speech intelligibility for hearing aid users when applying Speech Enhancement with SII calculated*.


OUTPUT WITHOUT SII OPTIMISATION - GREAT AMOUNT OF AUDIBLE NOISE

OUTPUT WITH SII OPTIMISATION – AMOUNT OF AUDIBLE NOISE IS MINIMISED

WIDEXLINK™

• Wireless Widex hearing aids use InterEar™ technology to coordinate and synchronise audiological features, through the robust WidexLink™ technology.

• WidexLink™ technology allows coordinated decisions in the hearing aids by exchanging data 21 times per second.

• WidexLink™ enabled hearing aids exchange percentile information to decide on how to activate the InterEar Speech Enhancer.