

SoundRecover

Now for all audiometric configurations

SoundRecover compresses and shifts high frequencies, expanding audibility to include the full spectrum of sounds. This enables wearers to once again enjoy all the sounds of life: Conversation in a restaurant, children singing and laughing, music, birdsong and the whisper of a

loved one, to name but a few. 88% of users indicate that SoundRecover is the most important features of their Phonak. This innovation is an indispensable key to customer satisfaction. Now a SoundRecover solution is available for all audiometric configurations.

Background SoundRecover



Visualizing SoundRecover

- 4 people sitting on a sofa
- one person more is joining (high frequencies)
- wants to have space on the sofa as well



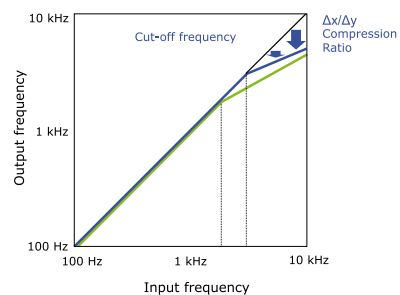
SoundRecover

- nonlinear frequency compression
- below the cut-off frequency nothing happens
- everything above becomes compressed
- only 2 people are squeezed together to make space for the fifth person



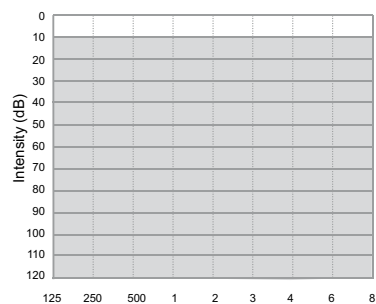
Frequency Transposition

- frequency lowering by downward shift
- overlapping
- fifth person is sitting on the other two persons
- causes artifacts



Cut-off frequencies

- Input/Output frequency graph
- frequencies below cut off frequencies remain unchanged
- frequencies above cut off frequencies are compressed
- mild to moderate HL = high cut off frequency, low compression rate
- severe to profound HL = low cut-off frequency, high compression rate

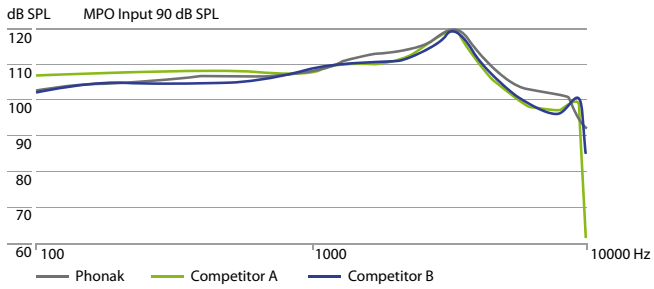


- all audiometric configurations can benefit from SoundRecover
- SoundRecover solution available for:
 - all audiometric configurations
 - ages
 - needs

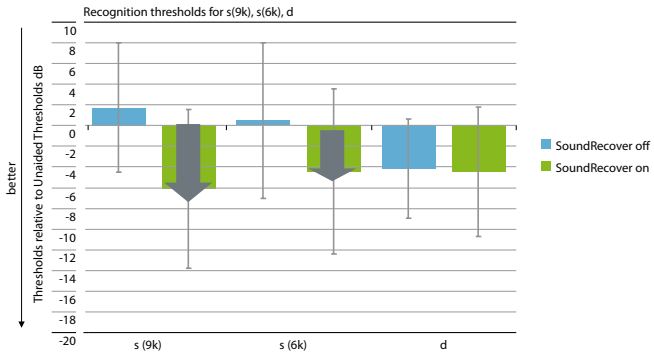
PHONAK

life is on

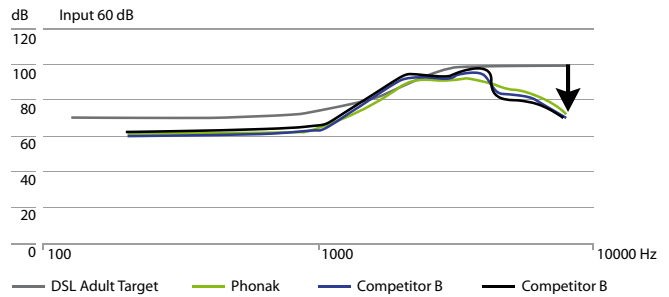
Benefits of SoundRecover



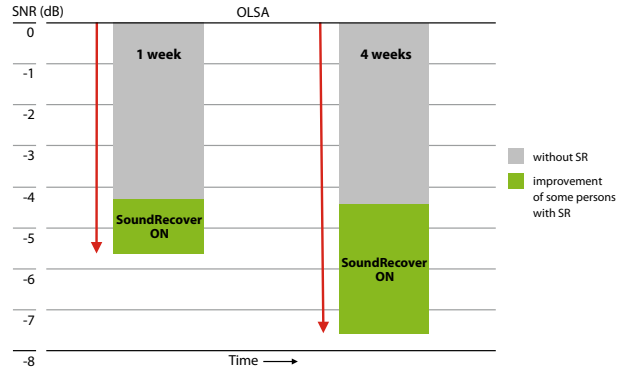
Bandwidth of HI receiver limited (0.1 – 6 kHz)



Ongoing study evaluating FrC with mild to moderate hearing losses
= 9 kHz, s = 6 kHz remarkable improvement of threshold with SR



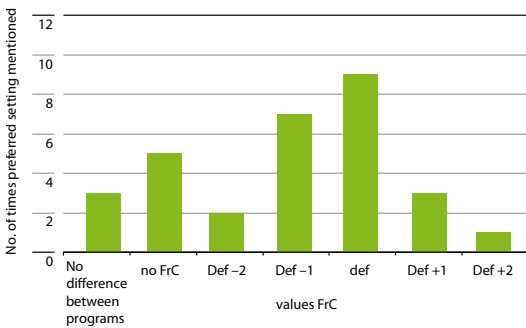
Not sufficient gain in the ear for very high frequencies
SR compresses and shifts up to 10 kHz = expanded audibility



Field Study News – SR for mild-moderate HL

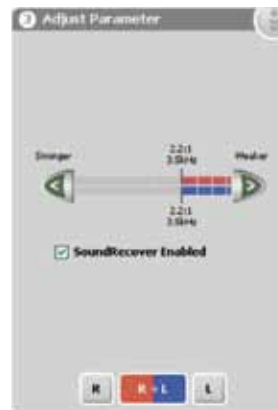
- Improvement Speech in Noise (SNR) with SR for some people
- Improvement increases after acclimatization

Fitting



Ongoing study – SoundRecover benefits

- SoundRecover is the preferred setting
- Default setting is the most preferred SoundRecover setting



- on by default
- possible to disable
- default preferred setting
- finetuning possible
- be aware: acclimatization time needed

SoundRecover in all new products



- Exélia Art: Exélia Art M, SP, Exélia Art micro, micro Petite, ITE
- Audéo YES: Audéo YES III, Audéo YES V, Audéo YES IX
- Naída family: Naída III, Naída V, Naída IX
- Nios micro: Nios micro III, Nios micro V