

Benefits of SoundRecover – Visual analogy

To understand consequences of hearing loss, limits of conventional amplification and the benefits of SoundRecover non-linear frequency compression, consider the following visual analogy.

PHONAK

life is on

Normal hearing



With normal hearing, we perceive a wide range of clear, distinct sounds, represented in this analogy by a colorful, picturesque scene.

Standard amplification



While standard amplification might bring back audibility, high frequency sounds, in particular, can still remain distorted and indistinct.

Hearing loss



Sensori-neural hearing loss not only makes sounds harder to hear, (shown here by the faded image), but also less distinct or distorted (shown here with pixelation).

SoundRecover



By compressing and shifting high frequency sounds into an area of better hearing SoundRecover brings back the full spectrum of sounds so they are both audible and distinct.

Benefits of SoundRecover – Visual analogy

Audibility alone is not sufficient for intelligibility. To understand consequences of hearing loss, limits of conventional amplification and the benefits of SoundRecover non-linear frequency compression, consider the following visual analogy.



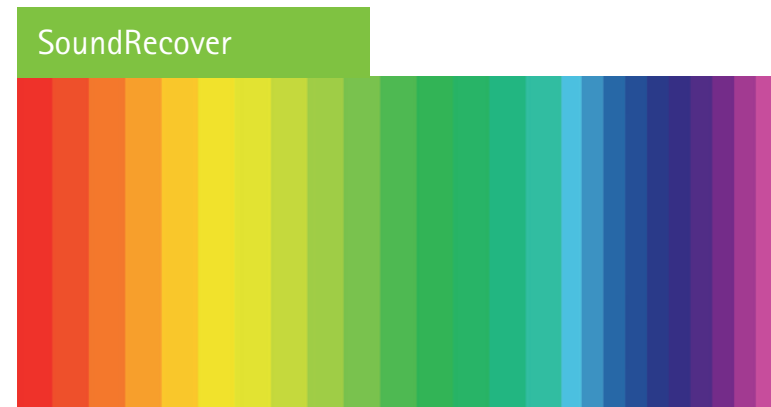
With normal hearing, we perceive a wide range of clear, distinct sounds, represented in this analogy by a color spectrum with red representing the lowest frequency and violet as the highest frequency.



While standard amplification might bring back audibility, high frequency sounds, in particular, can still remain distorted and indistinct.



Sensori-neural hearing loss not only makes sounds harder to hear, (shown here by the faded colors), but also less distinct or distorted (shown here by the blurring or mixing of the colors).



By compressing and shifting high frequency sounds into an area of healthier cochlear function, SoundRecover brings back the full spectrum of sounds so they are both audible and distinct, without distortion.