



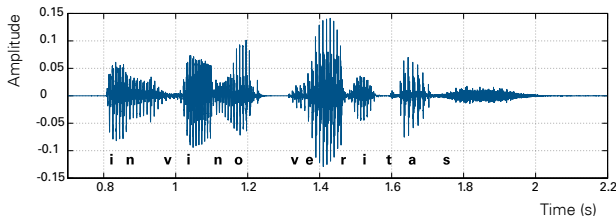
ChannelFree™ DSP – the revolution in digital signal processing continues

Bernafon’s revolutionary ChannelFree™ digital signal processing works without splitting incoming signals into channels or bands. ChannelFree™ DSP is the foundation for the advanced adaptive performance of Vérité.

Temporal resolution

In signal processing, temporal resolution is related to how fast a hearing instrument can vary its gain in response to the sound pressure level of an incoming signal. Vérité’s processing stays true to the acoustic signal allowing the listener to perceive amplified sound that is clear and natural.

Slower-acting compression systems can miss the short phonemes and important transitions between the spectral elements of speech. Vérité analyses the incoming signal thousands of times per second, capturing the important temporal aspects of speech and applying the appropriate gain to even the shortest phonemes. The result is premium sound quality and maximum speech understanding.



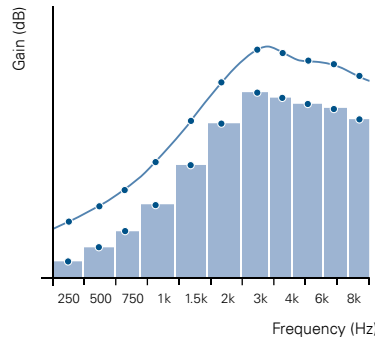
The precise temporal resolution of ChannelFree™ processing means never missing valuable speech cues

Frequency resolution

In a hearing system, the degree of frequency resolution is related to flexibility in gain shaping. You want to be able to adjust at one frequency without affecting others. Limited flexibility can cause problems with fine-tuning because the effect is too broad, preventing you from shaping the gain as desired.

Vérité’s excellent frequency resolution is the key to successful fittings for two reasons. First, it allows gain to be set independently at many different frequencies and second, it supplies

smooth gain between those frequencies. Vérité’s ChannelFree™ approach provides premium fitting flexibility. Gain adjustments can be made very selectively across the whole frequency spectrum up to 10 kHz.



Vérité’s ChannelFree™ DSP allows precise independent gain adjustments, while keeping the response smooth across the frequency range

ChannelFree™ DSP and adaptive technology – a match made in heaven

Vérité is the first Bernafon instrument to combine the speed and resolution of ChannelFree™ processing with fully adaptive features that adjust automatically to changes in the sound environment. This winning partnership delivers a truly authentic listening experience. In addition, Vérité’s extended frequency bandwidth and binaural coordination of instruments contribute to an accurate perception of the auditory scene.

All this and more!

To complete the package, Vérité’s award-winning organic design is extremely comfortable to wear and offers wireless connectivity to audio sources such as mobile phones and entertainment devices. Remote control of the hearing instruments is also available.

Get the Vérité advantage today and give your clients the gift of clear, natural sound without compromises.