

HEGEL SoundEngine™

SoundEngine™ Technology.

It's a common fact: As a story is told from person to person, details change. Things are added, others lost. At some point, the story has changed.

When a music signal is passing through an audio amplifier a similar effect will take place. As the signal is passed from stage to stage within the audio amplifier, the music signal will be changed by every single amplifier stage. When the music signal finally reaches your loudspeakers, the signal is different from the original music signal from the signal source.

The HEGEL SoundEngine™ local error cancelling system prevents distortion in the audio amplifier circuit stages, preserving the original details and the dynamic range in the original music signal. The end result is a much cleaner music signal with a larger dynamic range and lower distortion.

The unique and patented Hegel SoundEngine™ audio technology is combining the advantage of class AB-amplifier and the advantage of class A-amplifiers, without having the draw backs of class A- and class AB-amplifier technologies.

The SoundEngine™ Technology will cancel crossover distortion found in all types of class-AB amplifiers.

The human ear is very sensitive to high frequency distortion components in the music signal. The HEGEL SoundEngine™ Technology will cancel high frequency distortion components found in normal types of audio amplifiers.

The Hegel SoundEngine™ technology is not using any kind of global negative feedback, it is using local and adaptive feed forward technology if there should ever be any need for cancellation of distortion within the audio amplifier stages.