



Manufacturers integrating Dolby® Volume into their hardware products can also include a number of powerful Dolby audio enhancements. These technologies are designed to improve overall audio performance and can be implemented in whatever combination a device manufacturer determines is best for a particular product.

Audio Optimization

Natural Bass applies clean, powerful bass extension, increasing bass response by up to an octave for more low-end impact and a fuller, deeper sound even from small speakers.

Speaker EQ is an end-to-end solution that analyzes individual frequency bands and employs perceptual loudness techniques to achieve optimized speaker performance and a better overall listening experience.

Virtual Speaker

Virtual Speaker creates a high-quality surround sound listening experience from two-channel or multichannel source content using only two speakers; it simulates the experience of listening to a discrete multichannel speaker configuration.

Dialogue Enhancement

Dialogue Enhancement detects speech and enhances its clarity, making dialogue and other spoken components of content more intelligible to the listener.

Sound Space Expander

Sound Space Expander widens the perceived stereo field of closely placed speakers, creating a stable, solid stereo image that wraps around the listener.

Graphic EQ

Graphic EQ integrates an audio equalizer of up to seven user-adjustable bands, providing the listener direct, real-time control over audio output.

High-Frequency Enhancer

High-Frequency Enhancer restores the crispness and edge to audio content that has been digitally compressed; designed to function with a wide range of audio material compressed with different codecs.

Mono-to-Stereo Creator

Mono-to-Stereo Creator derives a convincing stereo effect from mono content to add depth to the playback experience.