



# SRS TruSurround HD

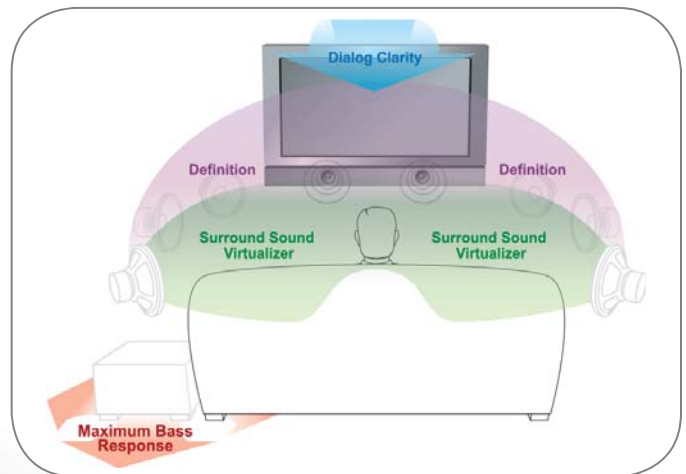
## The Next Generation in Surround Sound Virtualization



TruSurround HD™ (TS HD) is a robust multichannel virtualization technology developed by SRS Labs that provides an enhanced listening experience unlike any other technology that has been offered for a two speaker playback environment. TruSurround HD builds upon its predecessor, the industry leading surround sound virtualizer, SRS TruSurround XT®. Not only does TruSurround HD process up to 6.1 channels for playback over two speakers or headphones, but it also utilizes additional proprietary algorithms from SRS Labs to optimize bass performance, for deep rich bass dialog clarity for better intelligibility of vocals, and definition control for maximum high-frequency clarity.

### FEATURES

- Surround sound virtualization for 1.0 to 6.1 input channels and up to 3.1 output channel configuration
- Extremely broad sweet spot for maximum realism and enjoyment
- Sculpted bass to optimize low frequency performance of small drivers and enclosures
- Dialog enhancement to ensure clear and intelligible vocals
- Definition control for maximum high-frequency realism and clarity
- Bass management for subwoofer and center speaker designs





TruSurround HD accepts input from up to a 7 channel (6.1) audio source and renders surround sound from output speaker configurations ranging from 2.0 to 3.1. When receiving multichannel content, TruSurround HD virtualizes the channels, creating “phantom” speakers that appear to extend all around the listener, producing an amazing surround sound effect. When receiving mono or stereo content, TruSurround HD includes the functionality of SRS WOW HD™ to present an expansive three dimensional sound field.

TruSurround HD is a combination of patented processing techniques from SRS Labs which provide the following features:

#### **SURROUND SOUND OVER TWO SPEAKERS**

TruSurround HD now adds support for 2.1 and 3.1 speaker configurations. Bass management functions have also been incorporating to simplify the design of subwoofer based systems.

#### **DIALOG WHICH IS CLEARLY UNDERSTANDABLE**

Playback of dialog in home theater environments often suffers due to competing background noise and signals from other speakers. In addition, feature film content is mixed specifically for cinema playback. When translated through home systems, dialog often times becomes muffled and unintelligible. Proprietary algorithms in TS HD enhance signal clarity to address these problems, thus improving the intelligibility and clarity of dialog derived from all source material.

#### **SCULPTED BASS RESPONSE FOR OPTIMIZED BASS RESPONSE FROM SMALL DRIVERS AND ENCLOSURES**

TruSurround HD utilizes patented psychoacoustic techniques to maximize perceived bass response which goes beyond the low frequency limitations of speakers and headphones. The perception of fundamental low frequency tones is restored. The patented process can be tuned to match the specific size and frequency response of the target speakers.

#### **DEFINITION**

High frequency performance of audio systems that do not use discrete high frequency drivers (tweeters) is frequently limited. The “Definition” processor incorporated into TruSurround HD is designed to overcome these limitations, providing maximum high frequency clarity for all program material.

