



Hear It. See It. Feel It.



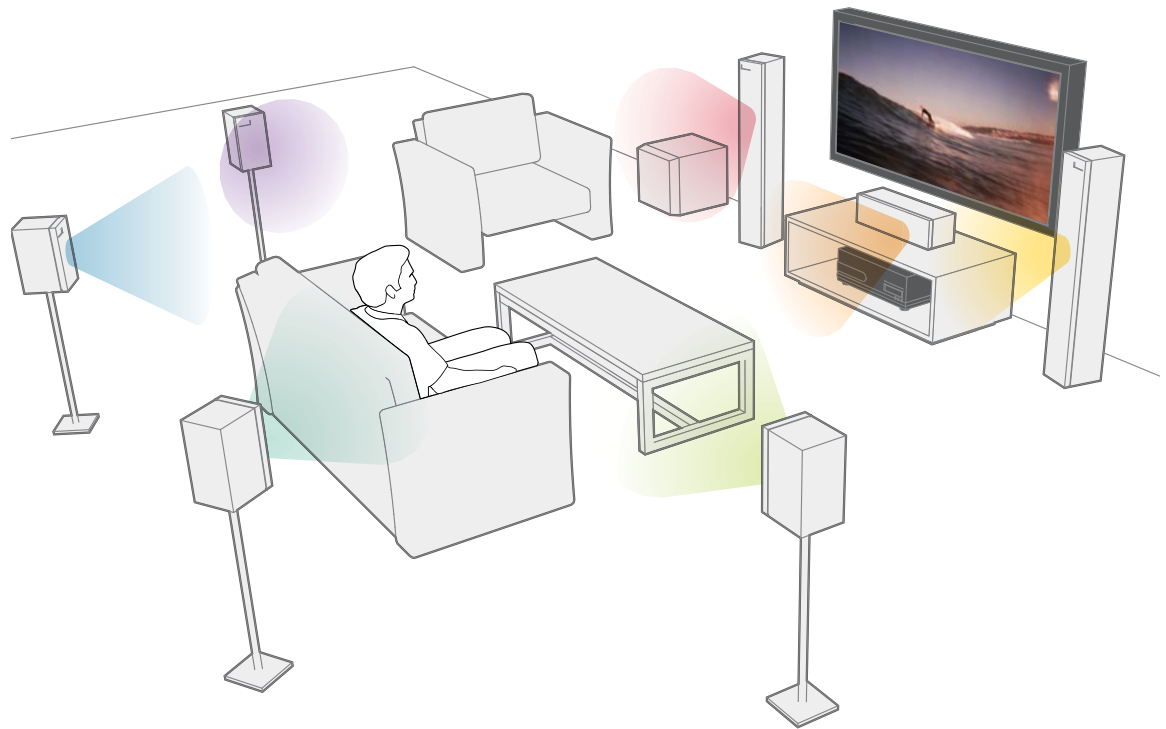
## What's True About Dolby® TrueHD?

Dolby TrueHD unleashes the ultimate high-definition audio experience.

Dolby® TrueHD is Dolby's new-generation lossless technology developed for high-definition entertainment. It delivers powerful sound that is bit-for-bit identical to the original studio master, unlocking the full entertainment experience on Blu-ray Disc™ and other HD media. When coupled with high-definition video, Dolby TrueHD offers an unprecedented home theater experience that lets you enjoy sound as stunning as the high-definition picture.

### The Sound

Powerful only begins to describe it. Dolby TrueHD delivers studio-master-quality audio (up to 24-bit/192 kHz) that is identical to what was created in the recording studio or mixing stage or captured at a live concert. A key component of Blu-ray Disc hardware and software as well as advanced digital A/V receivers, Dolby TrueHD helps transform your living room into a personal screening room.



Dolby TrueHD delivers the ultimate high-definition home theater experience.



### The Experience

Dolby TrueHD offers a spacious soundstage, highly realistic effects, and unsurpassed dynamic range, also giving you clear dialogue and an overall warm and enveloping listening experience. Dolby TrueHD delivers high-definition audio entertainment that perfectly complements high-definition video performance.

### The Future

Dolby TrueHD delivers the best possible sound from Blu-ray Disc and advanced A/V receivers, and is ready to complement other entertainment delivery systems as well. With the ability to support up to 14 channels of pristine, lossless audio, Dolby TrueHD is ready for the future.

## Audio Perfection

Dolby TrueHD offers significant advantages for content creators and home viewers alike. It gives content creators unprecedented power to position sounds for the most realistic ambience and special effects, while viewers enjoy the highest sound quality possible that perfectly complements the high-definition video they enjoy from Blu-ray Disc.

The coding efficiencies of Dolby TrueHD enable it to deliver audiophile quality equivalent to uncompressed PCM without impacting HD picture quality or limiting the value-added extras that content providers may wish to include on the disc. With Dolby TrueHD, movies and concert videos that might need a two-disc set to support both uncompressed PCM and HD video can fit onto a single side of a Blu-ray Disc with no compromise in audio or video quality from the original studio masters.

## Guaranteed Lossless Playback

Dolby TrueHD guarantees lossless high-definition audio playback from every supporting Blu-ray Disc player, while providing compression of up to 4:1 (compared to uncompressed PCM). As currently implemented on

Blu-ray Disc, Dolby TrueHD can support up to eight channels of 24-bit/96 kHz audio. Two-channel and six-channel content can be authored with audio resolution as high as 24-bit/192 kHz. In the future, Dolby TrueHD can accommodate more channels while simultaneously retaining compatibility with all current Dolby TrueHD decoders.

## Hear What the Artist Wanted You to Hear

Dolby TrueHD is built on proven MLP Lossless™ technology. It provides for both 5.1 and 2.0 downmixes of 7.1-channel content for compatibility with any playback system. Downmix parameters for Dolby TrueHD are created by the content provider during software encoding, so you are always assured of having the audio experience the director wanted you to hear.

A unique feature of the Dolby TrueHD stream is its ability to support multiple independent mixes, thus enabling a sound designer to create a dedicated 7.1 (8.0) surround mix, supported by an independent two-channel artist mix.

## DOLBY TRUEHD FEATURES AND BENEFITS

---

**Feature:** 100 percent lossless audio format.

**Benefits:** Delivers high-definition audio that is identical to the sound of the studio master.

Provides an involving, cinema-quality experience from Blu-ray™ discs.

---

**Feature:** Supports eight-channel playback in Blu-ray Disc.

**Benefit:** Offers high-definition audio entertainment that perfectly complements high-definition video performance and takes full advantage of Blu-ray capabilities.

---

**Feature:** Innovative technologies provide up to 4:1 compression efficiency.

**Benefit:** Audio remains identical to the studio master, while leaving room on the disc for high-definition video, multiple languages, and value-added special features.

## Where to Find Dolby TrueHD

Look for Dolby TrueHD in the latest A/V receivers, HTIB systems, software and hardware Blu-ray Disc players, next-generation game consoles, and future downloadable entertainment media.

## Making the Connection

Dolby TrueHD decoding, when built into a Blu-ray Disc player, enables high-definition audio playback through an A/V receiver equipped with HDMI™ 1.1, 1.2, or 1.3 connectivity, or with multichannel analog connections. Dolby TrueHD soundtracks decoded in the player are transported as PCM signals to your A/V receiver via HDMI.

To take advantage of the new interactive audio features offered by Blu-ray Disc while ensuring highest quality playback, many players feature internal decoding and mixing of Dolby TrueHD and secondary audio information encoded in Dolby Digital Plus.

## A/V Receivers with Dolby TrueHD Decoding

Advanced digital A/V receivers now feature HDMI 1.3 inputs and built-in Dolby TrueHD decoding. This enables the receiver to decode high-definition Dolby TrueHD theatrical soundtracks transported in their native format directly from Blu-ray Disc players equipped with HDMI 1.3 and bitstream out capability.

HDMI 1.3 provides all the standard HDMI benefits, including single-cable connection for both video and audio (bitstream and PCM) and proper application of the receiver's DSP postprocessing and bass management. Decoding theatrical soundtracks in your A/V receiver can also enable full 96/24 digital audio capability when the player does not support it. Your system will also be ready to decode Dolby TrueHD signals from future set-top boxes, Internet audio and video sources, and downloadable HD content.

To learn more about Dolby TrueHD, or to find out how to incorporate this technology in your next-generation entertainment products, please visit [www.dolby.com](http://www.dolby.com).



**Dolby Laboratories, Inc.**

100 Potrero Avenue, San Francisco, CA 94103-4813 USA T 415-558-0200 F 415-863-1373  
Wootton Bassett, Wiltshire SN4 8QJ England T 44-17093-842100 F 44-1793-842101

[dolby.com](http://dolby.com)

Dolby and the double-D symbol are registered trademarks of Dolby Laboratories. MLP Lossless is a trademark of Dolby Laboratories. All other trademarks remain the property of their respective owners.  
© 2008 Dolby Laboratories, Inc. All rights reserved. 508/19061/20062