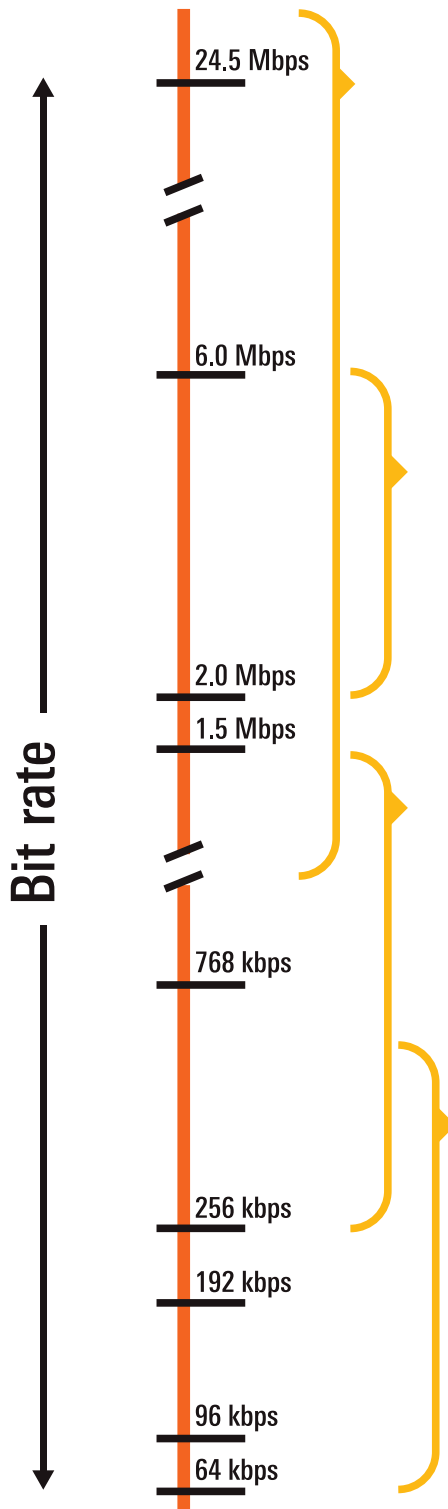


# DTS Technology for Broadcast Audio




## **dts-HD**<sup>®</sup> Master Audio

- DTS-HD<sup>®</sup> variable bit rate extension
- Lossless bit-for-bit Encoding
- Up to 7.1 channels at 96 kHz
- Up to 5.1 channels at 192 kHz
- Contains backwards compatible DTS Digital Surround<sup>™</sup> core



## **dts-HD**<sup>®</sup> High Resolution Audio

- DTS-HD<sup>®</sup> constant bit rate extension
- Encoding from 2.0 Mbps to 6.0 Mbps
- Up to 7.1 channels at 96 kHz
- Contains backwards compatible DTS Digital Surround<sup>™</sup> core



## **dts**<sup>®</sup> Digital Surround

- DTS-HD<sup>®</sup> Core
- Constant bit rates from 255 kbps (2 ch) up to 1509 kbps
- Up to 6.1 channels at 48 kHz
- Compatible with all legacy equipment



## **dts**<sup>®</sup> Express

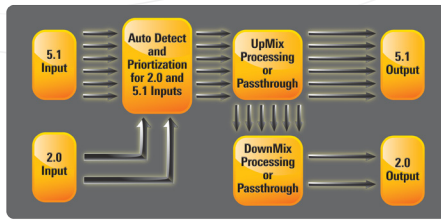
- DTS-HD<sup>®</sup> low bit rate extension
- Constant bit rates from 64 kbps (2 ch) and up
- 5.1 channels from 192 kbps to 512 kbps
- Adaptive fit-to-stream for digital delivery



## **dts**<sup>®</sup> Neural Surround

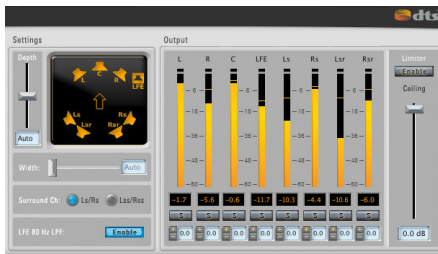
- 5.1 transmission over stereo
- Supports legacy audio codec (MPEG)
- Low-latency
- Edit and monitor in stereo

# Pre/Post-Processing



## DTS Neural Surround™ MultiMerge

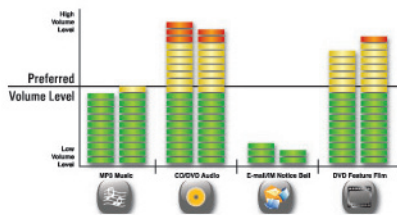
- Detection and auto upmixing of 2.0 content
- Fulltime 2.0 and 5.1 output



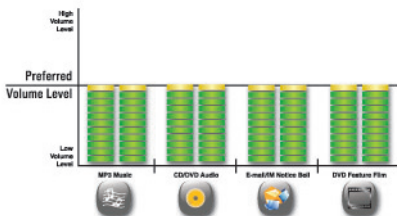
## Post Production Plug-Ins

- DTS Neural™ UpMix RTAS and VST
- 2.0 to 5.1 & 7.1
- 5.1 to 7.1

# Loudness Control



Input with different perceived loudness levels



Perceived loudness levels are balanced with DTS Symmetry™

## Loudness Control

- DTS Neural™ Loudness Control - Head End
- DTS Symmetry™ - CE Devices

As bandwidth to the home expands, the door opens for digital distribution of a new level of high definition entertainment and DTS is there to greet you with the most advanced surround sound technologies available. DTS is the only proprietary audio codec solution that in real time can provide scalability to lossless file delivery and flexible streaming on demand to your home theater system.

Most recently, DTS® announced digital distribution partnerships with Orange, Free and Sonic Solutions / CinemaNow. These announcements combined with DTS' dominant market share as the leading audio format for Blu-ray Disc™ distribution are the latest milestones in establishing DTS as a leader in High Definition entertainment.