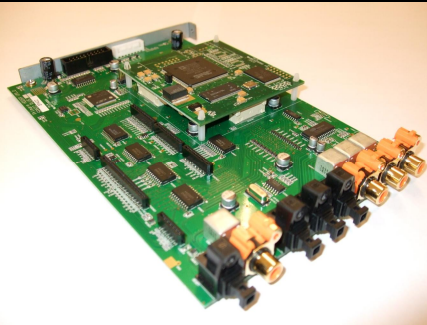


## White paper HD Audio boards for SPA22 and SP32



ADSP-23167, (Sharc DSP, Mft, Analog Devices), capable of decoding the HD formats such as DolbyTrue HD and DTS-master HD.

New features with the HD audio board:

1. Improved and more extended trigger options.
2. Individual HD format settings including Multi-PCM.
3. Easy lip-sync access using 'balance' button.
4. Upgraded design of the on-screen menu and display of the SPA22 or SP32.

Formats decoded	
Dolby Prologic Iix	
Dolby Digital	EX, Plus, TrueHD
DTS	DTS-ES, DTS-NEO:6, DTS 96/24, DTS-HD Master audio, DTS-HD High Resolution Audio
2ch-PCM, Multi-PCM, LPCM	

**Dolby TrueHD:** lossless encoding of up to 8 channels of audio, built on MLP technology. It offers a maximum bit rate of 18.64Mbps, up to 8 channels of 24bit/96kHz audio and up to six channels of 24bit/192kHz audio. Under the Blu-ray standard, support is optional.

**DTS-HD Master Audio:** lossless encoding of up to 8 channels of audio. It offers a maximum bit rate of 24.5Mbps, up to 8 channels of 24bit/96kHz audio and up to six channels of 24bit/192kHz audio. Under the Blu-ray standard, support is optional.