



ESPICO

Specialists in Speech and Audio Software Development

Dolby® Pro Logic® II

Dolby® Pro Logic® II is an advanced matrixing technology that delivers convincing, realistic surround sound from stereo content. It delivers five full-range channels (including two surround channels) derived from spatial cues that occur naturally in stereo recordings, soundtracks and broadcasts. The result is a compelling yet entirely natural and realistic surround effect that is incorporated in virtually all home theater products, including audio/video receivers (AVRs) and home-theater-in-a-box (HTIB) systems.

Dolby® Pro Logic® II technology is also used by broadcasters to encode their stereo signals specifically for Pro Logic II playback. This makes it possible for them to deliver specific surround and localisation effects over stereo services that are more like discrete 5.1 transmissions, without compromising regular stereo and mono playback.



The ESPICO implementations are based on the Dolby reference model with proprietary optimisations to reduce memory and MHz requirements. Contact ESPICO for specific resource requirements.

Features

- ◆ Very low console MIPs demands

Applications

- ◆ Home-theatre-in-a-box (HTIB) systems
- ◆ Audio/video receivers (AVRs)
- ◆ Games consoles
- ◆ Powered surround speaker systems

Availability

ESPICO's optimised solution can be ported to any platform. Platforms supported include:

- ◆ ZSP Cores including ZSP400, ZSP500, ZSP800 families
- ◆ ARM including Cortex and Neon™
- ◆ MIPS32 74K™
- ◆ Ceva DSP Cores

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