



Dolby Atmos® Cinema Processor CP850 Base Configuration



DOLBY ATMOS CINEMA PROCESSOR CP850 BASE CONFIGURATION

Dolby Atmos® represents the future of cinema audio, but we recognize that equipping a cinema for a fully immersive Dolby Atmos experience may not be practical for every situation today. For that reason, we offer the Dolby Atmos Cinema Processor CP850 Base Configuration.

The Dolby Atmos Cinema Processor CP850 Base Configuration will play back traditional Dolby® Surround 7.1 and 5.1 formats as well as render select Dolby Atmos titles to a Dolby Surround 7.1*. It includes the same advanced equalization and other audio features as the fully enabled Dolby Atmos Cinema Processor CP850, so you can ensure that your cinema is ready for the future while adding a number of sound improvements now. Dolby Atmos marketing support is exclusive to theatres with the fully enabled Dolby Atmos Cinema Processor CP850.

The Dolby CP850 Base includes the following feature enablement:

- Dolby Atmos Connect enablement to individual amplification and equalization of the surround speakers
- Dolby Atmos (7.1) enablement to render select Dolby Atmos titles to Dolby Surround 7.1*
- Internal crossover enablement, which eliminates the need for an external active crossover for screen loudspeakers



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Technical Features	CP850 Base
Dolby Atmos rendering to Dolby Surround 7.1*	•
Dolby Surround 7.1 and 5.1 playback	•
Dolby codec support for alternative content (Dolby TrueHD, Dolby Digital Plus™, Dolby Digital, and Dolby E upmixing of non-digital cinema package content)	•
16 channels of DCI PCM audio input	•
Support for 64 speaker feeds, configurable between 16 analog outputs and a Dolby Atmos Connect output	•
Flexible I/O for a wide variety of content sources (16-channel AES, S/PDIF, optical, stereo analog, public announcement microphone)	•
Dolby Show Manager integration and web service APIs to easily integrate with TMS and NOC systems	•
Simplified installation, maintenance, and day-to-day operation of cinema sound systems for exhibitors	•
Sophisticated EQ processing to improve cinema audio playback	•

*Rendering of select Dolby Atmos titles to Dolby Surround 7.1 is allowed at the discretion of content owners and enabled by a flag in the Dolby Atmos bitstream.

PHYSICAL

- Unit Dimensions (Net): 18" x 17.5" x 3.5" (45.2 x 44.1 x 8.9 cm)
- Shipping (Gross): 32" x 24" x 10" (81.3 x 61 x 25.5 cm)

POWER

- Input voltage - 100-240 VAC; 50-60Hz
- Power consumption - 140 watts
- Average BTU/hour - 480

ENVIRONMENTAL CONDITIONS

- Operating: 0°C–40°C (32°F–104°F)
- Humidity: 20%–80% relative humidity (noncondensing)

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Specifications are subject to change without notice.

