



Dolby® Atmos Cinema Processor CP950A



Fully featured, fully immersive Dolby Atmos

The Dolby Atmos Cinema Processor CP950A is the newest addition to Dolby's market-leading line of cinema processors, designed to deliver an exceptionally immersive Dolby Atmos experience in a flexible, modular, cost-efficient solution.

Dolby Atmos provides filmmakers with a unique toolset for creating cinema audio, giving them unprecedented power and freedom to realize their creative visions. In your cinema, Dolby Atmos gives audiences moving audio that flows around them, a natural and enveloping sound experience that fully reflects the original artistic intent.

Maintaining the design philosophy of the award-winning Dolby Cinema Processor CP950, CP950A includes the same built-in booth monitor, intuitive touchscreen front panel user interface, web interface, internal loudspeaker crossovers, high resolution multi-rate EQ and 16 channels of analog output. With an integrated Dolby Atmos media block card, CP950A will support up to 64 channels of digital output using either AES67 or BLU Link. Simple to install, use and service, CP950A has all the features necessary to deliver the fully immersive Dolby Atmos content as crafted by today's leading filmmakers.

Dolby Atmos Cinema Processor CP950A features and benefits

- Complete Dolby Atmos capability* and rendering up to 64 speaker feeds
- Dolby® high-resolution multi-rate EQ optimizes playback for all content types
- Internal crossovers to enhance sound and reduce installation cost
- Built in booth monitor to simplify operations and QA
- Touch screen front panel interface for easy control
- Web user interface for remote configuration and control
- Modular mechanical design allows for field upgradability and serviceability
- Dolby Atmos Designer compatibility for automated setup and precise system calibration

*with full Dolby Atmos license

Dolby Atmos Cinema Processor CP950A

I/Os

- 1 × GB Ethernet (1000Base-T / RJ-45) for Control
- 1 × GB Ethernet (1000Base-T / RJ45) for Dolby Atmos input
- 1 × USB 3.0
- 1 × HDMI® 2.0 input
- 1 × HDMI® 2.0 output (video pass-through)
- 2 × 8-channel AES-3 inputs from Cinema Server (RJ-45)
- 2 × AES-3id Auxiliary inputs (BNC Female)
- 1 × Microphone / RTA input (XLR Female)
- 2 × Non-Sync analog Input (RCA Female)
- 1 × Dolby Atmos Connect input (RJ-45 / BLU Link return path only)
- 1 × Dolby Atmos Connect output (RJ-45 / AES67 or BLU Link)
- 2 × 8-channel Analog outputs (DB25 Female)
- 2 × HI/VI analog output (RCA Female)
- 1 × RS-232 Serial automation port (DB9 Male)

Audio processing features

- Dolby Atmos playback from Cinema Server
- Consumer Dolby Atmos playback via HDMI
- Dolby Surround 7.1 and 5.1 playback from Cinema Server
- Dolby Digital (AC-3)
- Dolby Digital Plus
- Dolby True HD Audio
- Dolby E
- Supported Sample Rates: 44.1 kHz, 48 kHz and 96 kHz at 16, 20 and 24 bit
- AES67 or BLU Link protocols for digital output (up to 64 speaker feeds)
- Alternative Content Surround Processing
- High resolution multi-rate EQ
- Internal crossover supports up to 4-way loudspeakers

Control

- Touchscreen front panel user interface
- Web-based user interface
- ASCII commands over Ethernet or Serial port
- Web Services API for control from servers or third-party TMS
- SNMP for monitoring from a NOC

Unit dimensions and weight

- Unit Dimensions (including rack ears): 19.0" W x 3.5" 8.7" D (48.26 x 8.85 x 22.09 cm)
- Unit Weight: 15.0 lbs (6.80 kg)

Shipping dimensions and weight

- Shipping Dimensions: 23" W x 7.5" H x 15" D (58.42 x 19.0 x 38.1 cm)
- Weight: 19.6 lbs (8.89 kg)

Power

- Input: 100-240Vac, 1.2 - 0.6A, 50 - 60Hz
- Power Consumption: Nominally < 85W; 120-144W Max
- BTU Rating: 290 BTU/hr

Operating conditions

- Standard Operating temperature: 0° C to 40° C (32° F to 104° F)
- Non-operating temperature: -10° C to 60° C (14° F to 140° F)
- Standard operating Humidity: 20% to 80% noncondensing
- Non-operating Humidity: 20% to 80% noncondensing

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Specifications are subject to change without notice.

This documentation applies to Model CID1019



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