

CPi2000

Cinema Processor



HIGHLIGHTS ■

Easy to Use

Features like GUI Software and one volume knob makes for simple setup and operation

Built-in Crossover

Up to 7.1 channels with support for passive, bi-amp or tri-amp crossover configurations

Supports TMS Communication

Theater Management System communication provides convenient remote control and saves on system operation cost

JBL Cinema Speaker Presets

Reduces tuning time while optimizing sound quality

Large LCD Display

Provides system status at a glance

USB Connector

For preset file import and export

Understanding a movie's sound elements can be just as impactful as its images. JBL Professional designed the CPi2000 professional-grade processor to provide exceptional audio quality and volume control for cinema sound systems. Crafted to deliver a theatre-sound experience that's as enveloping as the excitement onscreen, the CPi2000 offers professional features like DSP, EQ, crossover that converts up to 7.1 channel audio to passive, bi-amp or tri-amp, loudspeaker management, JBL cinema speaker presets and customizable software functions to fine-tune audio settings. Audio performance like this will keep the audience on the edge of their seats and wanting to come back for more.

In addition to exceptional sound quality, JBL Professional constructed the CPi2000 to be extremely user-friendly. With the specially-designed GUI software, which provides the processor with a 1/3 octave GEQ for room tuning, setting up a cinema audio system has never been easier. As for connections, the processor includes four input options—analogue, digital non-sync, mono mic—as well as 10 HD-15 analog outputs, a 25-pin analog output for third-party compatibility and redundant output to directly distribute audio signals during power failures. Monitoring and adjusting the CPi2000's performance is also easy, as its front panel features a large LCD display and accessible volume knob. Altogether, the CPi2000 enhances your cinema sound system and helps provide movie goers an unforgettable movie experience.

The target market for the CPi2000 is any cinema with theatre needs of 5.1 or 7.1 surround sound. Because many of today's cinemas deploy digital servers for content playback with 5.1 or 7.1 non-compressed audio output, the CPi2000 is designed to work with these cinema sound solutions to process and distribute audio to the system's speakers.

KEY MESSAGES ■

A COMPLETE HARMAN 7.1 CINEMA SOLUTION

When combined with Crown cinema amplifiers and JBL cinema speakers, the CPi2000 completes the HARMAN roster to deliver next-generation performance and value to 7.1 cinemas around the world.

BETTER SOUND WITH LESS EFFORT

With speaker presets for a variety of JBL cinema speakers and a 1/3 octave GEQ for room tuning via an RTA microphone (sold separately) and GUI software, the CPi2000 does much of the heavy lifting, making system tuning a breeze.

EASY OPERATION

The GUI software and integrated tuning system make it easy to configure and optimize the sound system. Once installed, the large front-panel LCD display and controls make it easy for staff to monitor the system, select sources and adjust volume.

OVER-NETWORK SYSTEM MONITORING & REDUNDANCY

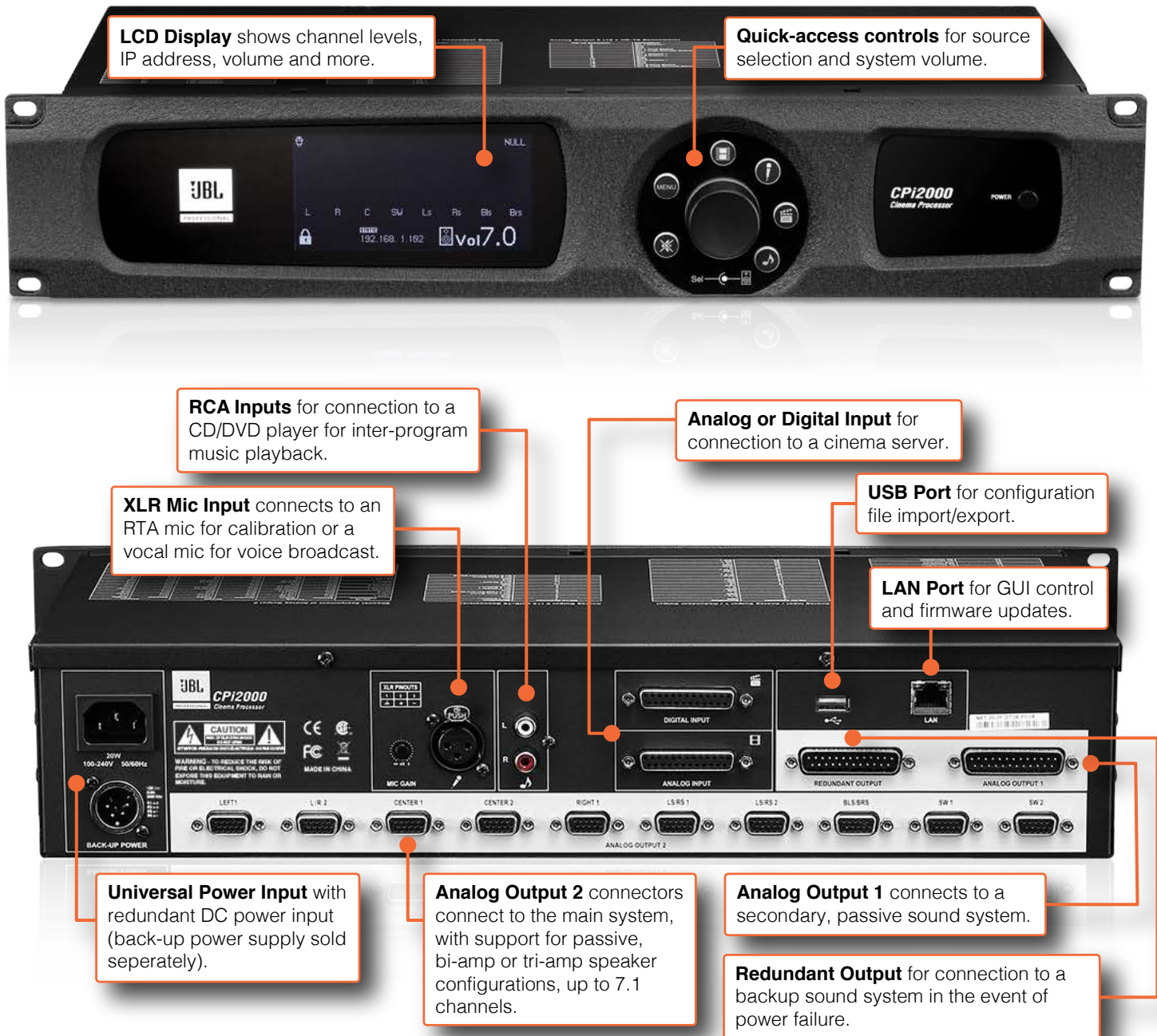
Monitor status of speakers and amps via the front-panel LCD display, GUI software or TMS. And if a fault does occur, the built-in fault detection system sends a notification and automatically re-routes audio to the Redundant Output.

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FRONT PANEL / REAR PANEL ■



HARMAN Professional 8500 Balboa Blvd. Northridge, CA 91329 USA

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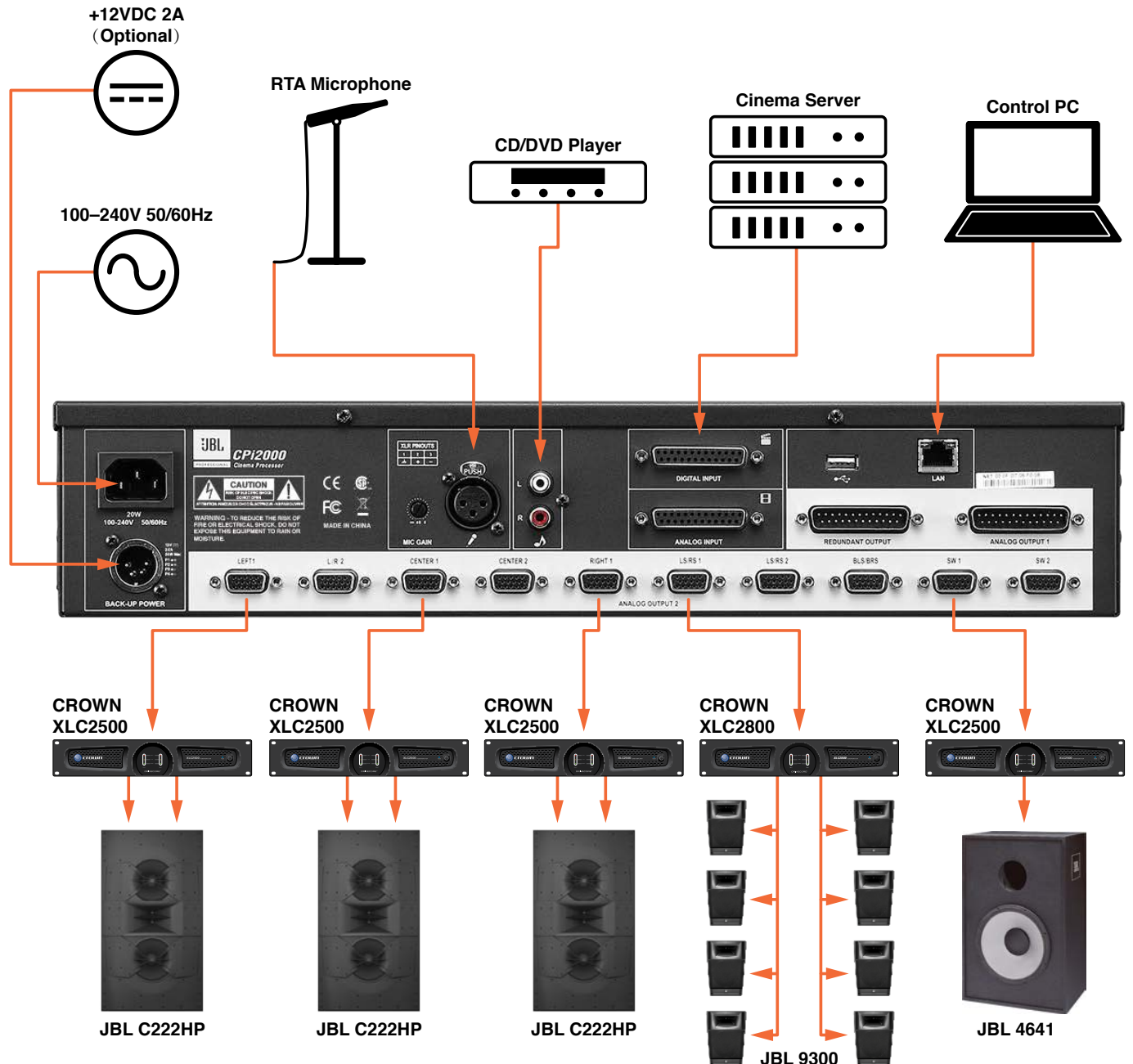
www.jblpro.com

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APPLICATION EXAMPLE ■



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FEATURES ■

- Supports 5.1 and 7.1 speaker systems
- Built-in crossover for bi-amplified or tri-amplified speakers
- 27-band GEQ and 3-band PEQ for system tuning
- Microphone input for system tuning and voice broadcasting
- USB slot allows configuration files to be stored and recalled, perfect for creating backups or pre-configured templates for loading into multiple CPi2000 processors during installation
- Fault detection system notifies when failure has occurred and automatically routes unprocessed audio from the Analog Input to the Redundant Output
- Front-panel LCD display and GUI provide user-friendly feedback, setup and control
- HD-15 connector for integration with Crown DSi and XLC amplifier solutions
- RJ45 connector supports TMS (Theater Management System) for at-a-glance system status over the network

IN THE BOX ■

- CPi2000 Cinema Processor
- 5092700-00 UK Power Cable
- 5092699-00 EU Power Cable
- 5118416-00 US Power Cable
- 5099445-00 China Power Cable
- User manual

SPECIFICATIONS ■

INPUT		
DIGITAL INPUT	CONNECTOR	Female HD-25 Balanced
	IMPEDANCE	110 Ohms
	INPUT LEVEL	0.5 – 10 Vpp
ANALOG INPUT	CONNECTOR	Female HD-25 Balanced or Unbalanced
	IMPEDANCE	50K Ohms (Balanced) or 25K Ohms (Unbalanced)
	MAX. INPUT LEVEL	+14.2 dBu
MIC INPUT	CONNECTOR	Female XLR Balanced or Unbalanced
	IMPEDANCE	660 Ohms (Balanced) or 330 Ohms (Unbalanced)
	TOTAL GAIN	40 dB
	E.I.N.	>113dB, 20 kHz Bandwidth
MUSIC (NON-SYNC) INPUT	CONNECTOR	RCA
	IMPEDANCE	25K Ohms
	MAX. INPUT LEVEL	+14.2 dBu
OUTPUT		
ANALOG OUTPUT 1 & REDUNDANT OUTPUT	CONNECTOR	Male HD-25 Balanced or Unbalanced
	IMPEDANCE	30 Ohms (Balanced) or 15 Ohms (Unbalanced)
	MAX. LEVEL	+14.2 dBu
	FREQUENCY RESPONSE	20 Hz – 20 kHz, Ref 1 kHz +/-1dB
	THD + N	<0.01%, 20 Hz – 20 kHz
	DYNAMIC RANGE	>102 dB
ANALOG OUTPUT 2	CONNECTOR	10 x Female HD-15 Balanced or Unbalanced
	IMPEDANCE	30 Ohms (Balanced) or 15 Ohms (Unbalanced)
	MAX. LEVEL	+14.2 dBu
	FREQUENCY RESPONSE	20 Hz – 20 kHz, Ref 1 kHz +/-1dB
	THD + N	<0.01%, 20 Hz – 20 kHz
	DYNAMIC RANGE	>102 dB
POWER		
AC POWER INPUT	100–240VAC, 50–60Hz	
DC POWER INPUT	+12VDC, 2A	
GENERAL		
RACK SPACE	2U	
DIMENSIONS (W X H X D)	18.98 x 3.46 x 9.09 in (482 x 88 x 231 mm)	
NET WEIGHT	8.82 lb (4.0 kg)	
SHIPPING WEIGHT	12.35 lb (5.6 kg)	
PART NUMBER FOR ORDERING	CPi2000-CH	



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