

SDP-80

36 Channel Immersive Audio Processor

JBL

SYNTHESIS®



Product Overview

The JBL Synthesis SDP-80 opens the way to a whole new generation of luxury home cinema processors, designed for ultimate performance and sustainability within the fast-moving home theater entertainment industry. With 36-channels of processing, the SDP-80 offers full support for Dolby ATMOS, DTS:X, and Auro-3D immersive audio formats. Powerful Trinnov Optimizer room EQ features JBL Synthesis performance enhancements and provides for incredibly accurate system tuning. A full suite of digital and analog connectivity is included along with HDMI 2.1 AV switching capable of handling higher resolution audio and video content at data rates up to 40Gbps for video up to 8K resolution at 60 frames per second with HDR, or 4K up to 120 frames per second with HDR. Full external control allows for complete and easy system integration.

Highlights

- 36 channels of native high-resolution digital processing for the most sophisticated high-channel count flagship JBL Synthesis systems with best-in-class sound quality.
- Pre-configured for benchmarked JBL Synthesis performance with the Harman Target and JBL Synthesis loudspeaker EQ files.
- Audiophile feature set including high-resolution playback, and key features including HDMI 2.1 with HDCP 2.3 and HDR up to 40Gbps, Dolby Atmos and Dolby Vision, DTS:X Pro and AURO-3D immersive audio processing, Trinnov Optimizer for in-room speaker optimization, and Roon Ready for hi-resolution music streaming.

Specifications

Video Connections	
Inputs	8x HDMI 2.1/HDCP 2.3, up to 40Gbps for video up to 8K resolution at 60 frames per second with HDR, or 4K up to 120 frames per second with HDR
Outputs	2x HDMI 2.1 with HDCP 2.3, 1x PC (VGA, DVI, HDMI)
Audio Connections	
Analog Audio Inputs	2 x XLR stereo, 3 x RCA stereo, 1 x 8-ch RCA multichannel, 1 x 3D Microphone
Digital Audio Inputs	8 x HDMI multichannel, 1 x AES3 DB25 (8 or 16-channels) DCI-compliant, 2 x AES/EBU XLR stereo, 4 x S/PDIF Coaxial 7.1 PCM, 4 x S/PDIF Optical 7.1 PCM
Analog Audio Outputs	16 x XLR multichannel, 4 x Balanced DB25 (channels 1-32), 1 x RCA stereo
Digital Audio Outputs	2 x HDMI multichannel, Roon Ready via Ethernet, 1 x AES3 DB25 (8 or 16-channels), 1 x AES/EBU XLR stereo, 1 x S/PDIF Coaxial stereo, 1 x S/PDIF Optical stereo
PC Connections	
Video Outputs	1 x HDMI, 1 x DVI, 1 x VGA
USB Ports	2 x USB 3.0, 2 x USB 2.0
Ethernet	1 x RJ45 Gigabit, Wi-Fi Onboard
Controllers	PS/2 Keyboard and Mouse
Communications and Control	
Remote Control	IR Remote Control Included, 12V Trigger Input/Output, iOS and Android Apps Available, Web-based UI
Network Control	VNC Remote Control from Laptop/PC, Tablet, or Smartphone, IP Control (AMX, Crestron, and Savant Modules Available)
Electrical Characteristics	
Power Supply	110VAC 60Hz or 220VAC 50/60Hz
Power Consumption	0.5W standby (EuP compliant) / 100W/450mA Maximum
Physical Characteristics	
Chassis	3.5U
Dimensions (H x W x D)	6.1" x 16.9" x 15.9" (155mm x 430mm x 405mm)
Weight	30.8 lb (14.5kg)

Dimensions

