

# CLASSE

SIGMA SERIES

**Sigma SSP**  
surround sound preamp/processor



Modern high-end audio systems tend to fall into one of two broad categories: stereo and theater. But rarely are they used exclusively in those roles. Most have a television display of some kind between stereo speakers or use the surround sound system for playing music. Inevitably, each makes compromises as it tries to accommodate the requirements of the other.

The Sigma SSP is designed to build a bridge between these two categories, optimized as a stereo preamp/processor but with HDMI switching and 7.1 channels of high-performance multichannel processing included. The stereo preamp/processor circuitry is derived from the latest generation Delta series CP-800, making the Sigma SSP a stunning performer as a stereo preamp. Test bench measurements are exceptional and suggest comparison with cost-no-object designs. Sonically the Sigma SSP out-performs stereo preamps with stand-alone DACs, while offering superb decoding of high-resolution formats including Dolby TrueHD and DTS-HD Master Audio.

A variety of connection options supports virtually any source optimally: Stream audio asynchronously from a computer, storage device or the Internet via the Sigma SSP's Ethernet connection. The Sigma SSP supports both AirPlay and DLNA streaming. Front and rear panel USB connections support asynchronous streaming from computers and iOS devices. Eight HDMI inputs (including one on the front panel) provide the optimum path for Blu-ray players, games and set-top boxes while simplifying system connections. The Audio Return Channel lets YouTube, Netflix and other online sources decoded at your display play through the Sigma SSP by using the HDMI connection between them. Coax and optical are provided for those sources lacking the HDMI option.

DSP options for improving performance are available to all sources. Bass management, a nine-band Parametric EQ and digital domain Tone Control with our Tilt feature ensure that the system can be optimized for your speakers and room, and every source sounds its best. An optional phono stage with custom loading may be fitted to accommodate MM and MC cartridges.

The Sigma SSP owes its outstanding performance and value to the unique engineering and manufacturing capabilities of Classé in Montréal and the B&W Group globally. No other high-end audio designers have access to the resources necessary to deliver such a product at such a competitive price. The Sigma SSP has been conceived and built as an example of quality and value without peer. It will stand as the seminal reference in the preamp/processor category for many years to come.

### Sigma SSP surround sound preamp/processor



#### Sigma SSP Specifications

USB audio	up to 24-bit/192 kHz	Channel matching (left to right)	>0.05 dB
USB (Host)	charging capability 2 Amps	Crosstalk (any input to any output)	better than -130 dB @ 1 kHz
AirPlay supported formats	AAC (8 to 320 kbps) Protected AAC (from iTunes Store), HE-AAC, MP3 (8 to 320 kbps), MP3 VBR, Audible (formats 2, 3, 4) Audible Enhanced Audio (AAX, and AAX+), Apple Lossless, AIFF, and WAV	Rated power consumption	35 W
DLNA supported formats	Apple Lossless (ALAC), mp3, FLAC, WAV, Ogg Vorbis, WMA, AAC	Mains voltage	100-240 V, 50/60 Hz
Frequency response	8 Hz - 200 kHz < 1 dB, stereo digital bypass 8 Hz - 20 kHz < 0.5 dB, all other sources	Overall dimensions	Width: 17.0" (433mm) Depth (excluding connectors): 14.57" (370mm) Height: 3.75" (95mm)
Channel Matching (Left to Right)	better than 0.05 dB	Net weight	18 lb (8.21 kg)
Distortion (THD+noise)	0.0005%, digital source/bypassed analog source .002%, processed analog source	Shipping weight	25 lb (11.34 kg)
Maximum input level (single-ended)	2 Vrms (DSP), 4.5Vrms (bypass)	Made for iPod touch (5th generation)	iPod nano (7th generation)
Maximum input level (balanced)	4 Vrms (DSP), 9 Vrms (bypass)	iPod touch (4th generation)	iPod nano (6th generation)
Maximum output level (single-ended)	9 Vrms	iPod touch (3rd generation)	iPod nano (5th generation)
Maximum output level (balanced)	18 Vrms	iPod touch (2nd generation)	iPod nano (4th generation)
Gain Range	-93 dB to +14 dB	iPod touch (1st generation)	iPod nano (3rd generation)
Input impedance (single-ended)	100 kΩ (single-ended)	Made for iPhone 5S	iPhone 3GS
Input impedance (balanced)	50 kΩ (Balanced)	iPhone 5	iPhone 3G
Output impedance (single-ended)	100 Ω	iPhone 4S	iPhone
Output impedance (balanced)	300 Ω	iPhone 4	
Signal-to-noise ratio (ref. 4Vrms input, unweighted)	104 dB, bypassed analog source 101 dB, processed analog source (re. full-scale input, unweighted) 105 dB, digital source	Made for iPad mini (with Retina display)	iPad (3rd generation)
Channel separation	better than 100 dB	iPad Air	iPad 2
		iPad (4th generation)	iPad
		iPad mini	
		Airplay	
		AirPlay works with iPhone, iPod, and iPod touch with iOS 4.3.3 or later, Mac with OS X Mountain Lion, and Mac and PC with iTunes 10.2.2 or later.	



Prices and specifications subject to change.  
We are not responsible for typographical errors.  
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