

# CLASSE

## CUSTOM THEATER ELECTRONICS

### CT-SSP

surround sound processor



NOW WITH FULLY FEATURED **HDMI 1.4**

Classé Custom Theater series components offer a beautiful and purpose-built solution for installing world-class audio components in professional equipment racks.

The special need to ventilate high-powered amplifiers in custom installations prompted Classé to develop the Custom Theater (CT) series. CT amplifiers employ a newly developed Intelligent Cooling Tunnel (ICTunnel™, pronounced Icy Tunnel) architecture to simplify installations and enhance both performance and reliability over the long term. The CT-SSP is designed to match this new range of amplifiers.

There is a growing consensus among home theater enthusiasts and critics that the Classé SSP-800 is the world's ultimate surround sound processor. The CT-SSP uses exactly the same circuitry as the SSP-800 and is identical in features, performance and price. The units differ in their outward appearance and chassis design, with the CT-SSP intended especially for equipment racks.

Like the SSP-800, the CT-SSP is a ten-channel preamp/processor, offering both balanced and single-ended connections for all channels. Using HDMI 1.4 the CT-SSP offers internal decoding of Dolby TrueHD and DTS-HD Master Audio sources. Digital Signal Processing (DSP) is handled by two Texas Instruments processors, each

capable of up to a remarkable 2800 MIPS (Million Instructions per Second). The DSPs operate in 64-bit double precision and use floating point arithmetic for all audio signal calculations to ensure the most accurate results possible. All bass management filters, level adjustments and parametric filters also benefit from the added precision.

Throughout the SSP-800/CT-SSP there are examples of HD technology executed at the highest quality level. It is the combination of advanced technology and genuine quality that sets them apart. And while technology and quality give the SSPs their intrinsic value, we measure their true worth first on the test bench and then in the sound room.

The wealth of knowledge applied to the SSP-800/CT-SSP design and the inspiration for its execution do not come from a textbook—they come from the passion and dedication of those who have spent their lives in the pursuit of higher performance. Classé offers the SSP-800 and CT-SSP for those who share our singular passion for performance.

# CLASSE

## DELTA SERIES

### CT-SSP surround sound processor



#### CT-SSP Specifications

##### Inputs and outputs

HDMI 1.4	5 in / 2 out
Component	2 in / 1 out
Composite	2 in
COAX	4 in / 1 out
Optical	4 in / 1 out
Analog XLR	1 pair in / 5 pair out
Analog RCA	1 set 7.1 in / 2 pair in / 5 pair out
DC trigger out	2
IR	1 in / 1 out
CAN Bus	1 in / 1 out
USB	1
RS-232	1

##### Video measurements

Input impedance	75 ohms Composite / component
Output impedance	75 ohms Component
HDMI	Fully 1.4 compliant supporting ARC, HEC, 3D video up to 1080p @ 24 fps, 36-bit deep color and xvYCC

##### Audio measurements

Maximum output level	8vrms Single ended 15vrms Balanced
Maximum input level	2vrms Single ended via DSP 6vrms Single ended via bypass 4vrms Balanced via DSP 12vrms Balanced via bypass
Output impedance	56 ohms
Input impedance	100kohms
Total harmonic distortion	0.001% Digital source / Bypassed analog source 0.002% Processed analog source

##### Frequency response

20Hz – 200kHz <0.1dB  
Stereo analog bypass  
20Hz – 20kHz <0.2dB  
All other sources

##### Signal to noise ratio

102dB  
Bypassed analog source  
100dB  
Processed analog source  
105dB  
Digital source

##### Audio formats

Dolby Digital Surround EX  
Dolby Digital 5.1  
Dolby Digital Plus  
Dolby TrueHD  
DTS-ES discrete  
DTS 3/2/1  
DTS 96/24  
DTS-HD High Resolution Audio  
DTS-HD Master Audio  
24bit/32-192kHz PCM

##### Post processing modes

Dolby pro logic IIx  
DTS-ES matrix  
DTS Neo:6  
Mono  
Mono plus  
Stereo (downmix)  
Music plus  
Movie plus  
Party

##### Video conversion

Composite to component and HDMI  
Component (upto 720p-1080i) to component and HDMI  
HDMI to HDMI

##### Dimensions

Width (including faceplate) 19" (483mm)  
Width (excluding faceplate) 17" (432mm)  
Depth (excluding connectors) 16.375" (416mm)  
Height 6.97" (177mm)  
Gross weight 49lb (22.3kg)  
Net weight 33lb (15kg)



Prices and specifications subject to change. We are not responsible for typographical errors.  
Printed in Canada on recycled stock.  
Dolby, Pro logic, Dolby TrueHD and the double-D symbol are registered trademarks of Dolby Laboratories.  
DTS is a registered trademark & the DTS logos and Symbol are trademarks of DTS, Inc.

USA & Canada • B&W Group, Ltd.  
5070 François Cusson • Lachine • Québec • Canada • H8T 1B3  
Tel +1.514.636.6384 • Fax +1.514.636.1428  
www.classeaudio.com • email: cservice@classeaudio.com